



## **ADVANCED SUPPLY CARIBBEAN**



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**3102 W Waters Ave #200**  
**Tampa, Florida 33614**  
**advancedsupply2@gmail.com**  
**727-612-6262 or 727-259-3276**  
**www.advancedsupplycaribbean.com**

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## TFFN / THHN

Copper and Aluminum Conductor - 600 Volts

Small-diameter single conductor PVC insulated/Nylon jacketed wire suitable for use in dry locations at a conductor operating temperature of 90°C and in wet locations at 75°C. It is also listed by UL as Type MTW 90°C, AWM 105°C, and VW-1, and is gasoline and oil resistant. Sizes 1/0 AWG and larger are recognized for CT use.



| Catalog Number    | Size (AWG or KCMIL) | No. of Strands | Insul. Thick. (in.) | Jacket Thick. (in.) | O.D. (in.) | Lbs / Mft Copper | Lbs / Mft Alum. |
|-------------------|---------------------|----------------|---------------------|---------------------|------------|------------------|-----------------|
| TFFN-18-SOL-BLK-  | 18 AWG              | SOLID          | 0.015               | 0.005               | 0.082      | 6                | -               |
| TFFN-16-SOL-BLK-  | 16 AWG              | SOLID          | 0.015               | 0.005               | 0.093      | 8                | -               |
| THHN-14-SOL-BLK-  | 14 AWG              | SOLID          | 0.015               | 0.004               | 0.104      | 15               | -               |
| THHN-12-SOL-BLK-  | 12 AWG              | SOLID          | 0.015               | 0.004               | 0.121      | 23               | -               |
| THHN-10-SOL-BLK-  | 10 AWG              | SOLID          | 0.020               | 0.004               | 0.152      | 37               | -               |
| THHN-14-STR-BLK-  | 14 AWG              | 19             | 0.015               | 0.004               | 0.112      | 16               | -               |
| THHN-12-STR-BLK-  | 12 AWG              | 19             | 0.015               | 0.004               | 0.131      | 24               | -               |
| THHN-10-STR-BLK-  | 10 AWG              | 19             | 0.020               | 0.004               | 0.164      | 38               | -               |
| THHN-8-STR-BLK-   | 8 AWG               | 19             | 0.030               | 0.005               | 0.216      | 62               | -               |
| THHN-6-STR-BLK-   | 6 AWG               | 19             | 0.030               | 0.005               | 0.253      | 95               | 37              |
| THHN-4-STR-BLK-   | 4 AWG               | 19             | 0.040               | 0.006               | 0.322      | 152              | 61              |
| THHN-3-STR-BLK-   | 3 AWG               | 19             | 0.040               | 0.006               | 0.35       | 188              | -               |
| THHN-2-STR-BLK-   | 2 AWG               | 19             | 0.040               | 0.006               | 0.381      | 234              | 88              |
| THHN-1-STR-BLK-   | 1 AWG               | 19             | 0.050               | 0.007               | 0.443      | 299              | 116             |
| THHN-1/0-STR-BLK- | 1/0 AWG             | 19             | 0.050               | 0.007               | 0.483      | 371              | 140             |
| THHN-2/0-STR-BLK- | 2/0 AWG             | 19             | 0.050               | 0.007               | 0.528      | 461              | 170             |
| THHN-3/0-STR-BLK- | 3/0 AWG             | 19             | 0.050               | 0.007               | 0.579      | 574              | 208             |
| THHN-4/0-STR-BLK- | 4/0 AWG             | 19             | 0.050               | 0.007               | 0.636      | 717              | 254             |
| THHN-250MCM-BLK-  | 250 MCM             | 37             | 0.060               | 0.008               | 0.704      | 850              | 308             |
| THHN-300MCM-BLK-  | 300 MCM             | 37             | 0.060               | 0.008               | 0.758      | 1011             | 361             |
| THHN-350MCM-BLK-  | 350 MCM             | 37             | 0.060               | 0.008               | 0.808      | 1173             | 414             |
| THHN-400MCM-BLK-  | 400 MCM             | 37             | 0.060               | 0.008               | 0.855      | 1333             | 466             |
| THHN-500MCM-BLK-  | 500 MCM             | 37             | 0.060               | 0.008               | 0.938      | 1653             | 569             |
| THHN-600MCM-BLK-  | 600 MCM             | 61             | 0.070               | 0.009               | 1.039      | 1985             | 691             |
| THHN-750MCM-BLK-  | 750 MCM             | 61             | 0.070               | 0.009               | 1.143      | 2462             | 846             |
| THHN-1000MCM-BLK- | 1000 MCM            | 61             | 0.070               | 0.009               | 1.320      | 3263             | 1116            |

ADD SUFFIX TO END OF CAT. NO. TO INDICATE LENGTH & PUT-UP (EX: 1000R)

## Color Abbreviations

|              |              |
|--------------|--------------|
| Blue - Blue  | Pnk - Pink   |
| Brn - Brown  | Pur - Purple |
| Grn - Green  | Red - Red    |
| Gry - Gray   | Wht - White  |
| Orn - Orange | Yel - Yellow |



### XHHW

Copper and Aluminum Conductor - 600 Volts  
 Single conductor crosslinked polyethylene insulated wire suitable for operation at 90°C in dry locations and in wet locations. May be installed in conduit, duct or other recognized raceway.



| Catalog Number           | Advanced ID              | Size (AWG or KCMIL) | Color | No. of Strands | Insul. Thick. (in.) | O.D. (in.) | Lbs / Mft Copper | Lbs / Mft Alum. |
|--------------------------|--------------------------|---------------------|-------|----------------|---------------------|------------|------------------|-----------------|
| XHHW-2-14-SOL-BLK-500S   | <a href="#">92130682</a> | 14                  | Black | Solid          | 0.030               | 0.13       | 16               | -               |
| XHHW-2-12-SOL-BLK-500S   | <a href="#">90072824</a> | 12                  | Black | Solid          | 0.030               | 0.15       | 25               | -               |
| XHHW-2-12-SOL-BLK-2500R  | <a href="#">97212713</a> | 12                  | Black | Solid          | 0.030               | 0.15       | 25               | -               |
| XHHW-2-10-SOL-BLK-500S   | <a href="#">92130685</a> | 10                  | Black | Solid          | 0.030               | 0.17       | 37               | -               |
| XHHW-2-10-SOL-BLK-2500R  | <a href="#">97144356</a> | 10                  | Black | Solid          | 0.030               | 0.17       | 37               | -               |
| XHHW-2-14-STR-BLK-500S   | <a href="#">92046890</a> | 14                  | Black | 7              | 0.030               | 0.14       | 18               | -               |
| XHHW-2-14-STR-BLK-2500R  | <a href="#">88284277</a> | 14                  | Black | 7              | 0.030               | 0.14       | 18               | -               |
| XHHW-2-12-STR-BLK-500S   | <a href="#">92046875</a> | 12                  | Black | 7              | 0.030               | 0.16       | 26               | -               |
| XHHW-2-12-STR-BLK-2500R  | <a href="#">88284267</a> | 12                  | Black | 7              | 0.030               | 0.16       | 26               | -               |
| XHHW-2-10-STR-BLK-500S   | <a href="#">92045897</a> | 10                  | Black | 7              | 0.030               | 0.18       | 40               | -               |
| XHHW-2-10-STR-BLK-2500R  | <a href="#">88284257</a> | 10                  | Black | 7              | 0.030               | 0.18       | 40               | -               |
| XHHW-2-8-STR-BLK-500R    | <a href="#">88284252</a> | 8                   | Black | 7              | 0.045               | 0.24       | 65               | 28              |
| XHHW-2-8-STR-BLK-1000R   | <a href="#">90077657</a> | 8                   | Black | 7              | 0.045               | 0.24       | 65               | 28              |
| XHHW-2-6-STR-BLK-1000R   | <a href="#">92124256</a> | 6                   | Black | 7              | 0.045               | 0.28       | 98               | 40              |
| XHHW-2-4-STR-BLK-1000R   | <a href="#">92124252</a> | 4                   | Black | 7              | 0.045               | 0.33       | 150              | 58              |
| XHHW-2-3-STR-BLK-1000R   | <a href="#">92124247</a> | 4                   | Black | 7              | 0.045               | 0.35       | 186              | -               |
| XHHW-2-2-STR-BLK-1000R   | <a href="#">89039916</a> | 2                   | Black | 7              | 0.045               | 0.39       | 231              | 86              |
| XHHW-2-1-STR-BLK-1000R   | <a href="#">89039914</a> | 1                   | Black | 19             | 0.055               | 0.45       | 294              | 109             |
| XHHW-2-1/0-STR-BLK-1000R | <a href="#">92124244</a> | 1/0                 | Black | 19             | 0.055               | 0.49       | 366              | 133             |
| XHHW-2-2/0-STR-BLK-1000R | <a href="#">92050314</a> | 2/0                 | Black | 19             | 0.055               | 0.54       | 453              | 162             |
| XHHW-2-3/0-STR-BLK-1000R | <a href="#">92124249</a> | 3/0                 | Black | 19             | 0.055               | 0.59       | 568              | 199             |
| XHHW-2-4/0-STR-BLK-1000R | <a href="#">92124253</a> | 4/0                 | Black | 19             | 0.055               | 0.65       | 707              | 245             |
| XHHW-2-250MCM-BLK-1000R  | <a href="#">96051741</a> | 250 MCM             | Black | 37             | 0.065               | 0.71       | 839              | 295             |
| XHHW-2-300MCM-BLK-1500R  | <a href="#">96020475</a> | 300 MCM             | Black | 37             | 0.065               | 0.77       | 982              | 347             |
| XHHW-2-350MCM-BLK-1000R  | <a href="#">92124260</a> | 350 MCM             | Black | 37             | 0.065               | 0.82       | 1159             | 398             |
| XHHW-2-400MCM-BLK-1000R  | <a href="#">99486626</a> | 400 MCM             | Black | 37             | 0.065               | 0.85       | 1318             | 452             |
| XHHW-2-500MCM-BLK-1000R  | <a href="#">92124264</a> | 500 MCM             | Black | 37             | 0.065               | 0.95       | 1635             | 552             |
| XHHW-2-600MCM-BLK-1000R  | <a href="#">95075721</a> | 600 MCM             | Black | 61             | 0.080               | 1.045      | 1986             | 679             |
| XHHW-2-750MCM-BLK-1000CR | <a href="#">99520905</a> | 750 MCM             | Black | 61             | 0.080               | 1.18       | 2448             | 825             |
| XHHW-2-1000MCM-BLK-500R  | <a href="#">88284235</a> | 1000MCM             | Black | 61             | 0.080               | 1.33       | 3244             | 1077            |

Color Abbreviations

|              |              |
|--------------|--------------|
| Blue - Blue  | Pnk - Pink   |
| Brn - Brown  | Pur - Purple |
| Grn - Green  | Red - Red    |
| Gry - Gray   | Wht - White  |
| Orn - Orange | Yel - Yellow |

## Copper RHH / RHW / XLP / USE

Copper and Aluminum Conductor - 600 Volts

Single conductor crosslinked polyethylene insulated wire suitable for operation at 90°C in dry locations and in wet locations for installation in air, conduit or other recognized raceways and for direct burial in circuits not exceeding 600 volts.



| Catalog Number            | Advanced ID | Size (AWG or KCMIL) | Color | No. of Strands | Insul. Thick. (in.) | O.D. (in.) | Lbs / Mft Copper | Lbs / Mft Alum. |
|---------------------------|-------------|---------------------|-------|----------------|---------------------|------------|------------------|-----------------|
| XLP-USE-6-STR-BLK-2500R   | 94056442    | 6                   | Black | 7              | .060                | .31        | 107              | 52              |
| XLP-USE-6-STR-BLK-5000R   | 90080724    | 6                   | Black | 7              | .060                | .31        | 107              | 52              |
| XLP-USE-6-STR-GRN-2500R   | 91007597    | 6                   | Green | 7              | .060                | .31        | 107              | 52              |
| XLP-USE-6-STR-RED-2500R   | 97107862    | 6                   | Red   | 7              | .060                | .31        | 107              | 52              |
| XLP-USE-6-STR-WHT-2500R   | 97114534    | 6                   | White | 7              | .060                | .31        | 107              | 52              |
| XLP-USE-4-STR-BLK-1000R   | 92046312    | 4                   | Black | 7              | .060                | .36        | 160              | 71              |
| XLP-USE-4-STR-BLK-2500R   | 97107860    | 4                   | Black | 7              | .060                | .36        | 160              | 71              |
| XLP-USE-4-STR-BLK-5000R   | 91002692    | 4                   | Black | 7              | .060                | .36        | 160              | 71              |
| XLP-USE-2-STR-BLK-500R    | 88284293    | 2                   | Black | 7              | .060                | .42        | 243              | 105             |
| XLP-USE-2-STR-BLK-1000R   | 92046311    | 2                   | Black | 7              | .060                | .42        | 243              | 105             |
| XLP-USE-2-STR-BLK-2500R   | 95009719    | 2                   | Black | 7              | .060                | .42        | 243              | 105             |
| XLP-USE-2-STR-BLK-5000R   | 95021776    | 2                   | Black | 7              | .060                | .42        | 243              | 105             |
| XLP-USE-1-STR-BLK-1000R   | 92046310    | 1                   | Black | 19             | .080                | .49        | 312              | 135             |
| XLP-USE-1/0-STR-BK-1000R  | 92046309    | 1/0                 | Black | 19             | .080                | .53        | 384              | 160             |
| XLP-USE-2/0-STR-BLK-1000R | 92046307    | 2/0                 | Black | 19             | .080                | .58        | 476              | 195             |
| XLP-USE-3/0-STR-BK-2500R  | 99520914    | 3/0                 | Black | 19             | .080                | .63        | 591              | 240             |
| XLP-USE-3/0-STR-BLK-1000R | 92046308    | 3/0                 | Black | 19             | .080                | .63        | 591              | 240             |
| XLP-USE-4/0-STR-BLK-1000R | 92042757    | 4/0                 | Black | 19             | .080                | .69        | 733              | 290             |
| XLP-USE-4/0-STR-BLK-2500R | 99520917    | 4/0                 | Black | 19             | .080                | .69        | 733              | 290             |
| XLP-USE-250MCM-BLK-CR     | 22062964    | 250                 | Black | 37             | .095                | .77        | 873              | 350             |
| XLP-USE-300MCM-BLK-500R   | 88284284    | 300                 | Black | 37             | .095                | .82        | 1040             | 405             |
| XLP-USE-350MCM-BLK-1000R  | 93156441    | 350                 | Black | 37             | .095                | .87        | 1190             | 460             |
| XLP-USE-400MCM-BLK-500R   | 88284282    | 400                 | Black | 37             | .095                | .92        | 1360             | 520             |
| XLP-USE-500MCM-BLK-1000R  | 93156440    | 500                 | Black | 37             | .095                | 1.01       | 1681             | 625             |
| XLP-USE-500MCM-BLK-2000R  | 99520923    | 500                 | Black | 37             | .095                | 1.01       | 1681             | 625             |
| XLP-USE-500MCM-BLK-500R   | 88284281    | 500                 | Black | 37             | .095                | 1.01       | 1681             | 625             |
| XLP-USE-600MCM-BLK-500R   | 88284280    | 600                 | Black | 61             | .110                | 1.12       | 2027             | 755             |
| XLP-USE-750MCM-BLK-500R   | 88284279    | 750                 | Black | 61             | .110                | 1.23       | 2511             | 920             |
| XLP-USE-1000MCM-BLK-500R  | 88284278    | 1000                | Black | 61             | .110                | 1.38       | 3316             | 1190            |

## Color Abbreviations

|              |              |
|--------------|--------------|
| Blk = Black  | Pnk = Pink   |
| Blu = Blue   | Pur = Purple |
| Brn = Brown  | Red = Red    |
| Grn = Green  | Tan = Tan    |
| Gry = Gray   | Wht = White  |
| Orn = Orange | Yel = Yellow |

### Copper TFFN / THHN

| Wire Size and Put up | Black     | Blue     | Brown    | Green    | Gray     | Orange    | Purple   | Red      | White    | Yellow   |
|----------------------|-----------|----------|----------|----------|----------|-----------|----------|----------|----------|----------|
| 18 STR - 500S        | 88284008  | 88284009 | 88284010 | 88284011 | 88284012 | 88284013  | 88284015 | 88284016 | 88284017 | 88283999 |
| 18 STR - 2500R       | 88284000  | 88317701 | 88284001 | 88284002 | 88284003 | 88284004  | 88284006 | 88284007 | 88283990 | 88283990 |
| 16 STR - 500S        | 88283991  | 88283992 | 88283993 | 88283994 | 88283995 | 88283996  | 88283998 | 88283979 | 88283980 | 88283981 |
| 16 STR - 2500R       | 88283982  | 88283983 | 88283984 | 88283985 | 88283986 | 88283987  | 88283975 | 88283976 | 88283977 | 88283978 |
| 14 STR - 500S        | 88284592  | 88284590 | 88284588 | 88284586 | 88284584 | 88284582  | 88284578 | 88284576 | 88284572 | 88284570 |
| 14 STR - 2500R       | 88284591  | 88284589 | 88284587 | 88284585 | 88284583 | 88284581  | 88284577 | 88284575 | 88284571 | 88284569 |
| 12 STR - 500S        | 88284568  | 88284566 | 88284564 | 88284562 | 88284560 | 88284558  | 88284554 | 88284552 | 88284548 | 88284546 |
| 12 STR - 2500R       | 88284567  | 88284565 | 88284563 | 88284561 | 88284559 | 88284557  | 88284553 | 88284551 | 88284547 | 88284545 |
| 10 STR - 500S        | 88284544  | 88284542 | 88284540 | 88284538 | 88284536 | 88284534  | 88284530 | 88284528 | 88284526 | 88284524 |
| 10 STR - 2500R       | 88284543  | 88284541 | 88284539 | 88284537 | 88284535 | 88284533  | 88284529 | 88284527 | 88284525 | 88284523 |
| 14 SOL - 500S        | 88284203  | 88284205 | 88284207 | 88284209 | 88284211 | 88284212  | 88284217 | 88284219 | 88284221 | 88284223 |
| 14 SOL - 2500R       | 88284204  | 88284206 | 88284208 | 88284210 | 88284213 | 88284214  | 88284218 | 88284220 | 88284222 | 88284224 |
| 12 SOL - 500S        | 88284225  | 88284228 | 88284229 | 88284232 | 88284230 | 88284626  | 88284622 | 88284620 | 88284618 | 88284616 |
| 12 SOL - 2500R       | 88284226  | 88284227 | 88284233 | 88284231 | 88284234 | 88284625  | 88284621 | 88284619 | 88284617 | 88284615 |
| 10 SOL - 500S        | 88284614  | 88284612 | 88284610 | 88284608 | 88284606 | 88284604  | 88284600 | 88284598 | 88284596 | 88284594 |
| 10 SOL - 2500R       | 88284613  | 88284611 | 88284609 | 88284607 | 88284605 | 88284603  | 88284599 | 88284597 | 88284595 | 88284593 |
| 8 STR - 500S         | 88284522  | 88284520 | 88284519 | 92042745 | 93144806 | 88284517  | 88318273 | 88284516 | 88284515 | 88318272 |
| 8 STR - 1000R        | 89039878  | 90002531 | 90005845 | 88284519 | 90005846 | 90005844  | -        | 90002534 | 90002536 | 92044545 |
| 8 STR - 2500R        | 88284521  | 93198468 | 93196305 | 90002533 | 99569337 | 22007596  | -        | 90002535 | 90002537 | 93196307 |
| 6 STR - 500S         | 90072820  | 92121060 | 88318276 | 88284512 | 97191020 | 88318275  | 93156439 | 88284511 | 88284510 | 88318274 |
| 6 STR - 1000R        | 89039876  | 90005840 | 90005841 | 90005842 | 90087306 | 92044544  | 99712074 | 90005843 | 90002530 | 92044543 |
| 6 STR - 2500R        | 90002528  | 92137712 | 93176724 | 91017777 | -        | 931176723 | -        | 91030652 | 88284509 | 93176725 |
| 4 STR - 500R         | 88284508  | 88284507 | 97116320 | 88284506 | -        | -         | -        | 88284505 | 88284504 | -        |
| 4 STR-1000R          | 90080207  | 97279304 | 97279304 | 94034574 | -        | -         | -        | 91006397 | 92051317 | -        |
| 4 STR-2500R          | 92042744  | -        | 22007588 | 92106249 | -        | 22007589  | -        | 92125750 | 94000149 | 22007590 |
| 4 STR - 5000R        | 89039875  | -        | -        | 99520875 | -        | -         | -        | 99520876 | 99520877 | -        |
| 3 STR - 500R         | 88284503  | -        | -        | 88284502 | -        | -         | -        | 88284501 | 88284500 | -        |
| 3 STR - 1000R        | 89039871  | -        | -        | 94034573 | -        | -         | -        | 92128435 | 92040601 | -        |
| 3 STR - 2500R        | 92042743  | -        | -        | -        | -        | -         | -        | -        | -        | -        |
| 2 STR - 500R         | 89088499  | 88284498 | -        | 88284497 | -        | -         | -        | 88284496 | 89088500 | -        |
| 2 STR - 1000R        | 88284499  | 97279305 | -        | 94006216 | -        | -         | -        | 92047548 | 88284495 | -        |
| 2 STR - 2500R        | 92042742  | 88284498 | -        | 92125752 | -        | -         | -        | 92125751 | 98293214 | -        |
| 2 STR - 5000R        | 90084725  | -        | -        | 99520872 | -        | -         | -        | 99520873 | 99520874 | 22114836 |
| 1 STR - 1000R        | 89039863  | -        | -        | -        | -        | -         | -        | -        | -        | -        |
| 1/0 STR - 1000R      | 89039861  | -        | -        | 92044438 | -        | -         | -        | 97278789 | 22007057 | -        |
| 1/0 STR - 2500R      | 90072811  | -        | -        | 98292798 | -        | -         | -        | -        | -        | -        |
| 1/0 STR - 5000R      | 90084727  | 99542396 | -        | 99682690 | -        | -         | -        | 22056812 | 22053521 | -        |
| 2/0 STR - 500R       | 88284488  | -        | -        | 88284487 | -        | -         | -        | -        | 97203274 | -        |
| 2/0 STR - 1000R      | 89039865  | -        | -        | 92044439 | -        | -         | -        | 95001672 | -        | -        |
| 2/0 STR - 2500R      | 92044546  | -        | -        | 92139004 | -        | -         | -        | -        | -        | -        |
| 3/0 STR - 1000R      | 89039869  | -        | -        | 99417944 | -        | -         | -        | -        | 99549218 | -        |
| 3/0 STR - 2500R      | 89039870  | -        | -        | 99549217 | -        | -         | -        | -        | -        | -        |
| 4/0 STR - 1000R      | 89039873  | -        | -        | 92044440 | -        | -         | -        | -        | -        | -        |
| 4/0 STR - 2500R      | 89039874  | -        | -        | 92139002 | -        | -         | -        | -        | -        | -        |
| 4/0 STR - 5000R      | 90084730  | 22053520 | 22111025 | 99565053 | -        | 22111022  | -        | 99517778 | 22053519 | 22111024 |
| 250 MCM STR - 2500R  | 900884731 | -        | -        | -        | -        | -         | -        | -        | -        | -        |
| 300 MCM STR - 1000R  | 90084738  | -        | -        | -        | -        | -         | -        | -        | -        | -        |
| 350 MCM STR - 1000R  | 90084739  | -        | -        | -        | -        | -         | -        | -        | 99549216 | -        |
| 350 MCM STR - 2500R  | 90084734  | -        | -        | 99549215 | -        | -         | -        | -        | -        | -        |
| 400 MCM STR - 1000R  | 92044441  | -        | -        | -        | -        | -         | -        | -        | -        | -        |
| 400 MCM STR - 2500R  | 95077274  | -        | -        | 22111034 | -        | -         | -        | -        | -        | -        |
| 500 MCM STR - 1500R  | 92044537  | -        | -        | -        | -        | -         | -        | -        | -        | -        |
| 500 MCM STR - 2500R  | 90084735  | -        | -        | -        | -        | -         | -        | -        | -        | -        |
| 600 MCM STR - 2000R  | 96078095  | -        | 22007615 | -        | 22007618 | 22007616  | -        | -        | -        | 22007617 |
| 750 MCM STR - 1500R  | 99498489  | -        | -        | -        | -        | -         | -        | -        | -        | -        |
| 750 MCM STR - 2500R  | 95000014  | -        | -        | -        | -        | -         | -        | -        | -        | -        |
| 1000 MCM STR - 1000R | 99549202  | -        | -        | -        | -        | -         | -        | -        | -        | -        |



## NM-B Non-Metallic Sheathed Cable (Romex™)

### Wire

Two and three conductor PVC insulated wire with PVC jacket. Suitable for both exposed and concealed work in dry locations at 90°C. Ground wire, when present, is bare copper.

### Benefits

- Voltage Rating: 600V
- Jacket Thickness for All NM-B is 30 mil



| Mfg. No.                   | AS ID                    | Wire Size | Stranding | No. of Cond. | Nom. Insulation Thickness (in.) | Nom. O.D. (in.) | Weight per 1000 Feet (lb) |
|----------------------------|--------------------------|-----------|-----------|--------------|---------------------------------|-----------------|---------------------------|
| <b>With Ground Wire</b>    |                          |           |           |              |                                 |                 |                           |
| NM-WG-14-2-1000R           | <a href="#">88297609</a> | 14 AWG    | 1         | 2            | 0.030                           | 0.200 x 0.46    | 58                        |
| NM-WG-14-2-250CN           | <a href="#">88283950</a> | 14 AWG    | 1         | 2            | 0.030                           | 0.200 x 0.46    | 58                        |
| NM-WG-14-3-1000R           | <a href="#">88321335</a> | 14 AWG    | 1         | 3            | 0.030                           | 0.440           | 75                        |
| NM-WG-14-3-250CN           | <a href="#">88283945</a> | 14 AWG    | 1         | 3            | 0.030                           | 0.440           | 75                        |
| NM-WG-12-2-1000R           | <a href="#">88297608</a> | 12 AWG    | 1         | 2            | 0.030                           | 0.230 x 0.50    | 83                        |
| NM-WG-12-2-250CN           | <a href="#">88283949</a> | 12 AWG    | 1         | 2            | 0.030                           | 0.230 x 0.50    | 83                        |
| NM-WG-12-3-1000R           | <a href="#">89031869</a> | 12 AWG    | 1         | 3            | 0.030                           | 0.470           | 109                       |
| NM-WG-12-3-250CN           | <a href="#">88283944</a> | 12 AWG    | 1         | 3            | 0.030                           | 0.470           | 109                       |
| NM-WG-10-2-1000R           | <a href="#">88297607</a> | 10 AWG    | 1         | 2            | 0.030                           | 0.250 x 0.54    | 126                       |
| NM-WG-10-2-250CN           | <a href="#">88283948</a> | 10 AWG    | 1         | 2            | 0.030                           | 0.250 x 0.54    | 126                       |
| NM-WG-10-3-1000R           | <a href="#">89039822</a> | 10 AWG    | 1         | 3            | 0.030                           | 0.530           | 167                       |
| NM-WG-10-3-250CN           | <a href="#">88283943</a> | 10 AWG    | 1         | 3            | 0.030                           | 0.530           | 167                       |
| NM-WG-8-2-1000R            | <a href="#">92040600</a> | 8 AWG     | 7         | 2            | 0.045                           | 0.390 x 0.71    | 187                       |
| NM-WG-8-2-125CN            | <a href="#">88283947</a> | 8 AWG     | 7         | 2            | 0.045                           | 0.390 x 0.71    | 187                       |
| NM-WG-8-3-1000R            | <a href="#">90015078</a> | 8 AWG     | 7         | 3            | 0.045                           | 0.710           | 254                       |
| NM-WG-8-3-125CN            | <a href="#">99880481</a> | 8 AWG     | 7         | 3            | 0.045                           | 0.710           | 254                       |
| NM-WG-6-2-1000R            | <a href="#">92040599</a> | 6 AWG     | 7         | 2            | 0.060                           | 0.450 x 0.87    | 256                       |
| NM-WG-6-2-125CN            | <a href="#">88283946</a> | 6 AWG     | 7         | 2            | 0.060                           | 0.450 x 0.87    | 256                       |
| NM-WG-6-3-1000R            | <a href="#">90005826</a> | 6 AWG     | 7         | 3            | 0.060                           | 0.850           | 357                       |
| NM-WG-6-3-125CL            | <a href="#">88283941</a> | 6 AWG     | 7         | 3            | 0.060                           | 0.850           | 357                       |
| NM-WG-4-3-125CL            | <a href="#">88283940</a> | 4 AWG     | 7         | 3            | 0.060                           | 0.960           | 593                       |
| <b>Without Ground Wire</b> |                          |           |           |              |                                 |                 |                           |
| NM-WOG-8-3-1000R           | <a href="#">90084046</a> | 8 AWG     | 7         | 3            | 0.045                           | 0.720           | 291                       |
| NM-WOG-8-3-125CL           | <a href="#">88283954</a> | 8 AWG     | 7         | 3            | 0.045                           | 0.720           | 291                       |
| NM-WOG-6-3-1000R           | <a href="#">90084045</a> | 6 AWG     | 7         | 3            | 0.060                           | 0.850           | 447                       |
| NM-WOG-6-3-125CL           | <a href="#">88283953</a> | 6 AWG     | 7         | 3            | 0.060                           | 0.850           | 447                       |
| NM-WOG-4-3-500R            | <a href="#">92046319</a> | 6 AWG     | 7         | 3            | 0.060                           | 0.940           | 650                       |
| NM-WOG-4-3-125CL           | <a href="#">88283952</a> | 4 AWG     | 7         | 3            | 0.060                           | 0.940           | 650                       |
| <b>Additional Circuit</b>  |                          |           |           |              |                                 |                 |                           |
| NM-WG-14-2-2-1000R         | <a href="#">22037717</a> | 14 AWG    | 1         | 2            | 0.030                           | 0.336           | 92                        |
| NM-WG-14-2-2-250CN         | <a href="#">22037506</a> | 12 AWG    | 1         | 2            | 0.030                           | 0.336           | 92                        |
| NM-WG-12-2-2-1000R         | <a href="#">22037718</a> | 12 AWG    | 1         | 2            | 0.030                           | 0.381           | 134                       |
| NM-WG-12-2-2-250CN         | <a href="#">22037507</a> | 12 AWG    | 1         | 2            | 0.030                           | 0.381           | 134                       |

R = Reel  
CN = Carton  
CL = Coil

### Underground Feeder UF-B

#### Wire

Two and three conductor PVC insulated wire. Suitable for direct burial in branch or feeder circuits, in wet locations and in sunlight. Jacketed with sunlight, moisture and fungus resistant PVC jacket.



#### Benefits

- Maximum Operating Temperature 90°C
- UF-B Cable Meets or Exceeds UL Std. 83, and UL Std. 493
- Meets or Exceeds Federal Specification A-A-59544, and NEC

#### Features

- Voltage Rating: 600V
- Overall Gray PVC Jacket

| Mfg. No.                | Advanced Supply | Wire Size | No. of Cond. | Stranding | Nom. Insulation Thickness (mils) | Jacket Thickness (mils) | Ground Wire Size | Nominal O.D. (in.) |
|-------------------------|-----------------|-----------|--------------|-----------|----------------------------------|-------------------------|------------------|--------------------|
| <b>With Ground Wire</b> |                 |           |              |           |                                  |                         |                  |                    |
| UF-WG-14-2-250CN        | <b>88283968</b> | 14        | 2            | 1         | 19                               | 30                      | 14               | 0.423 x 0.168      |
| UF-WG-14-2-1000R        | <b>88297595</b> | 14        | 2            | 1         | 19                               | 30                      | 14               | 0.423 x 0.168      |
| UF-WG-14-3-250CN        | <b>88297590</b> | 14        | 3            | 1         | 19                               | 30                      | 14               | 0.581 x 0.168      |
| UF-WG-14-3-1000R        | <b>90044773</b> | 14        | 3            | 1         | 19                               | 30                      | 14               | 0.581 x 0.168      |
| UF-WG-12-2-50CN         | <b>96049626</b> | 12        | 2            | 1         | 19                               | 30                      | 12               | 0.463 x 0.183      |
| UF-WG-12-2-250CN        | <b>88283969</b> | 12        | 2            | 1         | 19                               | 30                      | 12               | 0.463 x 0.183      |
| UF-WG-12-2-1000R        | <b>88297594</b> | 12        | 2            | 1         | 19                               | 30                      | 12               | 0.463 x 0.183      |
| UF-WG-12-2-5000R        | <b>93148627</b> | 12        | 2            | 1         | 19                               | 30                      | 12               | 0.463 x 0.183      |
| UF-WG-12-3-250CN        | <b>88297589</b> | 12        | 3            | 1         | 19                               | 30                      | 12               | 0.626 x 0.183      |
| UF-WG-12-3-1000R        | <b>90044772</b> | 12        | 3            | 1         | 19                               | 30                      | 12               | 0.626 x 0.183      |
| UF-WG-10-2-25CN         | <b>96049628</b> | 10        | 2            | 1         | 24                               | 30                      | 10               | 0.518 x 0.216      |
| UF-WG-10-2-50CN         | <b>96049629</b> | 10        | 2            | 1         | 24                               | 30                      | 10               | 0.518 x 0.216      |
| UF-WG-10-2-100CN        | <b>96049630</b> | 10        | 2            | 1         | 24                               | 30                      | 10               | 0.518 x 0.216      |
| UF-WG-10-2-250CN        | <b>88283970</b> | 10        | 2            | 1         | 24                               | 30                      | 10               | 0.518 x 0.216      |
| UF-WG-10-2-1000R        | <b>88297593</b> | 10        | 2            | 1         | 24                               | 30                      | 10               | 0.518 x 0.216      |
| UF-WG-10-3-250CN        | <b>88297588</b> | 10        | 3            | 1         | 24                               | 30                      | 10               | 0.727 x 0.215      |
| UF-WG-10-3-1000R        | <b>90044771</b> | 10        | 3            | 1         | 24                               | 30                      | 10               | 0.727 x 0.215      |
| UF-WG-8-2-125CL         | <b>88297592</b> | 8         | 2            | 7         | 35                               | 45                      | 10               | 0.678 x 0.302      |
| UF-WG-8-2-500RL         | <b>94035761</b> | 8         | 2            | 7         | 35                               | 45                      | 10               | 0.678 x 0.302      |
| UF-WG-8-2-1000R         | <b>93144808</b> | 8         | 2            | 7         | 35                               | 45                      | 10               | 0.678 x 0.302      |
| UF-WG-8-3-125CL         | <b>88297587</b> | 8         | 3            | 7         | 35                               | 45                      | 10               | 1.059 x 0.319      |
| UF-WG-8-3-500R          | <b>92133939</b> | 8         | 3            | 7         | 35                               | 45                      | 10               | 1.059 x 0.319      |
| UF-WG-8-3-1000R         | <b>90015125</b> | 8         | 3            | 7         | 35                               | 45                      | 10               | 1.059 x 0.319      |
| UF-WG-6-2-125CL         | <b>88297591</b> | 6         | 2            | 7         | 35                               | 45                      | 10               | 0.770 x 0.338      |
| UF-WG-6-2-1000R         | <b>96016373</b> | 6         | 2            | 7         | 35                               | 45                      | 10               | 0.770 x 0.338      |
| UF-WG-6-3-125CL         | <b>88297586</b> | 6         | 3            | 7         | 35                               | 45                      | 10               | 1.223 x 0.361      |
| UF-WG-6-3-500R          | <b>92133938</b> | 6         | 3            | 7         | 35                               | 45                      | 10               | 1.223 x 0.361      |
| UF-WG-6-3-1000R         | <b>96047053</b> | 6         | 3            | 7         | 35                               | 45                      | 10               | 1.223 x 0.361      |

R = Reel  
 CL = Coil  
 CN = Carton

## Bare Copper Wire

### Wire

Bare Copper Wire Suitable for Uninsulated Hook Up, Jumpers and Grounds in Electrical Construction.

### Benefits

- Made to ASTM Specifications
- Class B Stranding



| Mfg. No.                  | Advanced Supply ID | Wire Size | Stranding | Nominal O.D.<br>(in.) | Weight per<br>1000 Feet (lb) |
|---------------------------|--------------------|-----------|-----------|-----------------------|------------------------------|
| <b>Bare Copper</b>        |                    |           |           |                       |                              |
| BARE-CU-SD-8-SOL-500S     | 88283890           | 8         | Solid     | 0.1285                | 50.0                         |
| BARE-CU-SD-8-SOL-1000R    | 96094170           | 8         | Solid     | 0.1285                | 50.0                         |
| BARE-CU-SD-8-7STR-500S    | 88283894           | 8         | 7         | 0.146                 | 50.9                         |
| BARE-CU-SD-6SOL-25LB-S    | 93160336           | 6         | Solid     | 0.162                 | 79.4                         |
| BARE-CU-SD-6-SOL-315S     | 88283891           | 6         | Solid     | 0.162                 | 79.4                         |
| BARE-CU-SD-6-SOL-500R     | 99879700           | 6         | Solid     | 0.162                 | 79.4                         |
| BARE-CU-SD-6-SOL-1000R    | 92048286           | 6         | Solid     | 0.162                 | 79.4                         |
| BARE-CU-SD-6-7STR-315S    | 88283895           | 6         | 7         | 0.184                 | 81.0                         |
| BARE-CU-SD-6-7STR-500R    | 92120561           | 6         | 7         | 0.184                 | 81.0                         |
| BARE-CU-SD-6-7STR-1000R   | 92047546           | 6         | 7         | 0.184                 | 81.0                         |
| BARE-CU-HD-4-SOL-50LB-CL  | 93160337           | 4         | Solid     | 0.2043                | 126.4                        |
| BARE-CU-HD-4-SOL-198-SPL  | 90087290           | 4         | Solid     | 0.2043                | 126.4                        |
| BARE-CU-SD-4-SOL-25LB-S   | 93160335           | 4         | Solid     | 0.2043                | 126.4                        |
| BARE-CU-SD-4-SOL-198S     | 97116831           | 4         | Solid     | 0.2043                | 126.4                        |
| BARE-CU-SD-4-7STR-198S    | 88283896           | 4         | 7         | 0.232                 | 128.9                        |
| BARE-CU-HD-2-SOL-50LB-CL  | 95064908           | 2         | Solid     | 0.2576                | 200.9                        |
| BARE-CU-SD-2-SOL-25LB     | 22054792           | 2         | Solid     | 0.2576                | 200.9                        |
| BARE-CU-SD-2-SOL-125S     | 88283893           | 2         | Solid     | 0.2576                | 200.9                        |
| BARE-CU-SD-2-SOL-500R     | 96041194           | 2         | Solid     | 0.2576                | 200.9                        |
| BARE-CU-SD-2-7STR-125S    | 88283886           | 2         | 7         | 0.292                 | 202.9                        |
| BARE-CU-SD-2-STR-500R     | 96037766           | 2         | 7         | 0.292                 | 202.9                        |
| BARE-CU-SD-1/0-7STR-500R  | 88321308           | 1/0       | 7         | 0.373                 | 325.8                        |
| BARE-CU-SD-1/0-19STR-500R | 97112455           | 1/0       | 19        | 0.373                 | 325.8                        |
| BARE-CU-SD-2/0-7STR-500R  | 88321309           | 2/0       | 7         | 0.419                 | 410.9                        |
| BARE-CU-SD-2/0-19STR-500R | 92043182           | 2/0       | 19        | 0.419                 | 410.9                        |
| BARE-CU-SD-3/0-7STR-500R  | 89031862           | 2/0       | 7         | 0.419                 | 518.1                        |
| BARE-CU-SD-3/0-19STR-500R | 97112454           | 3/0       | 19        | 0.47                  | 518.1                        |
| BARE-CU-SD-4/0-7STR-500R  | 89031863           | 4/0       | 7         | 0.528                 | 653.3                        |
| BARE-CU-SD-4/0-19STR-500R | 93155474           | 4/0       | 19        | 0.528                 | 653.3                        |
| BARE-CU-SD-250MCM-1000R   | 92120989           | 250       | 37        | 0.575                 | 771.9                        |
| BARE-CU-SD-350-37STR-1000 | 99869921           | 350       | 37        | 0.681                 | 1081.0                       |
| BARE-CU-SD-500MCM-1000R   | 92118044           | 500       | 37        | 0.813                 | 1544.0                       |
| <b>Tinned Bare Copper</b> |                    |           |           |                       |                              |
| BARE-CU-6SOL/TINNED-1000R | 94001920           | 6         | Solid     | 0.1620                | 79.4                         |
| BARE-CU-6STR-TIN 1000R    | 94004152           | 6         | 7         | 0.1840                | 81.0                         |
| BARE-CU-2SOL-TINNED-1000R | 93155584           | 2         | Solid     | 0.2576                | 200.9                        |

S = Spool

R = Reel

CL = Coil



### Service Entrance Cable, Type SE, Style U

#### Wire

Used to distribute power from the service drop to the meter base and from the meter base to the distribution panelboard. May also be used for certain branch circuits as permitted by the National Electric Code. Cable assembly plus concentrically applied neutral and reinforcement tape are jacketed with a sunlight resistant gray PVC jacket.



#### Features

- Max. Temperature Rating: 90°C-Wet or Dry Locations
- Voltage Rating: 600V
- Meets or Exceeds UL Standards 44 and 854
- Meets Federal Spec. J-C-30B and NEC Requirements
- Constructed with XHHW-2 Conductors

| Mfg. No.                 | Advanced Supply          | Wire Size   | Stranding Phase Cond./ Bare Ground | Nominal O.D. (mils) | Allow. Ampacities (°C) 60 / 75 / 90 / Dwelling | Weight per 1000 Foot (lb) |
|--------------------------|--------------------------|-------------|------------------------------------|---------------------|--|---------------------------|
| SEU-CU-10-10-10-1000R    | <a href="#">92126366</a> | 10-10-10    | 1/11                               | 295 x 457           | 30 / 30 / 30 / -                               | 133                       |
| SEU-CU-8-8-8-250CL       | <a href="#">88284650</a> | 8-8-8       | 7/7                                | 403 x 635           | 40 / 50 / 55 / -                               | 217                       |
| SEU-CU-8-8-8-500R        | <a href="#">89039849</a> | 8-8-8       | 7/7                                | 403 x 635           | 40 / 50 / 55 / -                               | 217                       |
| SEU-CU-8-8-8-1000R       | <a href="#">90084053</a> | 8-8-8       | 7/7                                | 403 x 635           | 40 / 50 / 55 / -                               | 217                       |
| SEU-CU-6-6-6-150CL       | <a href="#">88284636</a> | 6-6-6       | 7/11                               | 440 x 709           | 55 / 65 / 75 / -                               | 319                       |
| SEU-CU-6-6-6-500R        | <a href="#">89039848</a> | 6-6-6       | 7/11                               | 440 x 709           | 55 / 65 / 75 / -                               | 319                       |
| SEU-CU-6-6-6-1000R       | <a href="#">90084051</a> | 6-6-6       | 7/11                               | 440 x 709           | 55 / 65 / 75 / -                               | 319                       |
| SEU-CU-4-4-4-150CL       | <a href="#">88284639</a> | 4-4-4       | 7/16                               | 486 x 801           | 70 / 85 / 95 / 100                             | 468                       |
| SEU-CU-4-4-4-500R        | <a href="#">89039846</a> | 4-4-4       | 7/16                               | 486 x 801           | 70 / 85 / 95 / 100                             | 468                       |
| SEU-CU-3-3-3-150CL       | <a href="#">88284641</a> | 3-3-3       | 7/20                               | 545 x 887           | 85 / 100 / 110 / 110                           | 584                       |
| SEU-CU-3-3-3-500R        | <a href="#">25018074</a> | 3-3-3       | 7/20                               | 545 x 887           | 85 / 100 / 110 / 110                           | 584                       |
| SEU-CU-2-2-2-100CL       | <a href="#">88284642</a> | 2-2-2       | 7/26                               | 576 x 949           | 95 / 115 / 130 / 125                           | 718                       |
| SEU-CU-2-2-2-500R        | <a href="#">89039845</a> | 2-2-2       | 7/26                               | 576 x 949           | 95 / 115 / 130 / 125                           | 718                       |
| SEU-CU-1-1-1-500R        | <a href="#">92045899</a> | 1-1-1       | 19/14                              | 657 x 1089          | 110 / 130 / 150 / 150                          | 901                       |
| SEU-CU-2/0-2/0-2/0-100CL | <a href="#">98403903</a> | 2/0-2/0-2/0 | 19/19                              | 753 x 1269          | 145 / 175 / 195 / 200                          | 1381                      |
| SEU-CU-2/0-2/0-2/0-150R  | <a href="#">99880502</a> | 2/0-2/0-2/0 | 19/19                              | 753 x 1269          | 145 / 175 / 195 / 200                          | 1381                      |
| SEU-CU-3/0-3/0-3/0-500R  | <a href="#">97136186</a> | 3/0-3/0-3/0 | 19/24                              | 803 x 1369          | 165 / 200 / 225 / 225                          | 1720                      |
| SEU-CU-4/0-4/0-4/0-50CL  | <a href="#">88284648</a> | 4/0-4/0-4/0 | 19/30                              | 859 x 1481          | 195 / 230 / 260 / 250                          | 2138                      |
| SEU-CU-6-6-8-200CL       | <a href="#">88284637</a> | 6-6-8       | 7/7                                | 440 x 709           | 55 / 65 / 65 / 75                              | 287                       |
| SEU-CU-6-6-8-500R        | <a href="#">90084052</a> | 6-6-8       | 7/7                                | 440 x 709           | 55 / 65 / 65 / 75                              | 287                       |
| SEU-CU-6-6-8-1000R       | <a href="#">93144809</a> | 6-6-8       | 7/7                                | 440 x 709           | 55 / 65 / 65 / 75                              | 287                       |
| SEU-CU-4-4-6-150CL       | <a href="#">88284638</a> | 4-4-6       | 7/11                               | 486 x 801           | 70 / 85 / 95 / 95                              | 427                       |
| SEU-CU-4-4-6-500R        | <a href="#">92124234</a> | 4-4-6       | 7/11                               | 486 x 801           | 70 / 85 / 95 / 95                              | 427                       |
| SEU-CU-3-3-5-150CL       | <a href="#">88284640</a> | 3-3-5       | 7/13                               | 513 x 855           | 85 / 100 / 110 / 110                           | 518                       |
| SEU-CU-3-3-5-500R        | <a href="#">99562492</a> | 3-3-5       | 7/13                               | 513 x 855           | 85 / 100 / 110 / 110                           | 518                       |
| SEU-CU-2-2-4-500R        | <a href="#">92124232</a> | 2-2-4       | 7/16                               | 544 x 917           | 95 / 115 / 130 / 125                           | 634                       |

R = Reel  
CL = Coil

## Type SE, Style U Cable

### Wire

Aluminum SEU is constructed with aluminum XHHW-2 conductors (TRIPLE E aluminum alloy, compact stranded). Cable assembly plus a concentrically applied neutral and reinforcement tape are jacketed with a gray sunlight resistant PVC jacket. Used to distribute power from the service drop to the meter base and from the meter base to the distribution panelboard.



### Benefits

- Meets or Exceeds UL Standards 44 & 854
- Meets or Exceeds Federal Specification J-C-30B, and NEC Requirements

| Mfg. No.                 | Advanced Supply          | Wire Size   | Stranding Phase Cond./<br>Bare Ground | Nominal O.D.<br>(mils) | Allow. Ampacities (°C)<br>60 / 75 / 90 / Dwelling | Weight per<br>1000 Foot (lb) |
|--------------------------|--------------------------|-------------|---------------------------------------|------------------------|---|------------------------------|
| SEU-AL-8-8-8-250CL       | <a href="#">88283926</a> | 8-8-8       | 1/7                                   | 390 x 609              | 30 / 40 / 45 / -                                  | 101                          |
| SEU-AL-8-8-8-500R        | <a href="#">90015104</a> | 8-8-8       | 1/7                                   | 390 x 609              | 30 / 40 / 45 / -                                  | 101                          |
| SEU-AL-8-8-8-1000R       | <a href="#">89039844</a> | 8-8-8       | 1/7                                   | 390 x 609              | 30 / 40 / 45 / -                                  | 101                          |
| SEU-AL-6-6-6-250CL       | <a href="#">88283908</a> | 6-6-6       | 7/11                                  | 431 x 691              | 40 / 50 / 60 / -                                  | 139                          |
| SEU-AL-6-6-6-500R        | <a href="#">89039843</a> | 6-6-6       | 7/11                                  | 431 x 691              | 40 / 50 / 60 / -                                  | 139                          |
| SEU-AL-6-6-6-1000R       | <a href="#">90015102</a> | 6-6-6       | 7/11                                  | 431 x 691              | 40 / 50 / 60 / -                                  | 139                          |
| SEU-AL-4-4-4-200CL       | <a href="#">88283909</a> | 4-4-4       | 7/16                                  | 475 x 779              | 55 / 65 / 75 / -                                  | 195                          |
| SEU-AL-4-4-4-500R        | <a href="#">89039841</a> | 4-4-4       | 7/16                                  | 475 x 779              | 55 / 65 / 75 / -                                  | 195                          |
| SEU-AL-4-4-4-1000R       | <a href="#">90064825</a> | 4-4-4       | 7/16                                  | 475 x 779              | 55 / 65 / 75 / -                                  | 195                          |
| SEU-AL-2-2-2-200CL       | <a href="#">88283910</a> | 2-2-2       | 7/15                                  | 563 x 923              | 75 / 90 / 100 / 100                               | 282                          |
| SEU-AL-2-2-2-500R        | <a href="#">89039840</a> | 2-2-2       | 7/15                                  | 563 x 923              | 75 / 90 / 100 / 100                               | 282                          |
| SEU-AL-2-2-2-1000R       | <a href="#">90015100</a> | 2-2-2       | 7/15                                  | 563 x 923              | 75 / 90 / 100 / 100                               | 282                          |
| SEU-AL-1-1-1-500R        | <a href="#">22054065</a> | 1-1-1       | 19/14                                 | 643 x 1061             | 85 / 100 / 115 / 110                              | 354                          |
| SEU-AL-1/0-1/0-1/0-500R  | <a href="#">95072346</a> | 1/0-1/0-1/0 | 19/18                                 | 681 x 1137             | 100 / 120 / 135 / 125                             | 427                          |
| SEU-AL-2/0-2/0-2/0-150CL | <a href="#">88283913</a> | 2/0-2/0-2/0 | 19/18                                 | 738 x 1235             | 115 / 135 / 150 / 150                             | 513                          |
| SEU-AL-2/0-2/0-2/0-500R  | <a href="#">90064823</a> | 2/0-2/0-2/0 | 19/18                                 | 738 x 1235             | 115 / 135 / 150 / 150                             | 513                          |
| SEU-AL-4/0-4/0-4/0-1000R | <a href="#">94048101</a> | 4/0-4/0-4/0 | 19/30                                 | 836 x 1435             | 150 / 180 / 205 / 200                             | 767                          |
| SEU-AL-4/0-4/0-4/0-100CL | <a href="#">88283915</a> | 4/0-4/0-4/0 | 19/30                                 | 836 x 1435             | 150 / 180 / 205 / 200                             | 767                          |
| SEU-AL-4/0-4/0-4/0-500R  | <a href="#">90077655</a> | 4/0-4/0-4/0 | 19/30                                 | 836 x 1435             | 150 / 180 / 205 / 200                             | 767                          |
| <b>REDUCED NEUTRAL</b>   |                          |             |                                       |                        |   |                              |
| SEU-AL-4-4-6-200CL       | <a href="#">88283916</a> | 4-4-6       | 7/11                                  | 475 x 779              | 55 / 65 / 75 / -                                  | 179                          |
| SEU-AL-4-4-6-500R        | <a href="#">92043186</a> | 4-4-6       | 7/11                                  | 475 x 779              | 55 / 65 / 75 / -                                  | 179                          |
| SEU-AL-4-4-6-1000R       | <a href="#">92124265</a> | 4-4-6       | 7/11                                  | 475 x 779              | 55 / 65 / 75 / -                                  | 179                          |
| SEU-AL-2-2-4-200CL       | <a href="#">88283917</a> | 2-2-4       | 7/16                                  | 531 x 891              | 75 / 90 / 100 / 100                               | 257                          |
| SEU-AL-2-2-4-500R        | <a href="#">92043185</a> | 2-2-4       | 7/16                                  | 531 x 891              | 75 / 90 / 100 / 100                               | 257                          |
| SEU-AL-2-2-4-1000R       | <a href="#">90015099</a> | 2-2-4       | 7/16                                  | 531 x 891              | 75 / 90 / 100 / 100                               | 257                          |
| SEU-AL 1/0-1/0-2 500R    | <a href="#">92042815</a> | 1/0-1/0-2   | 19/14                                 | 659 x 1115             | 100 / 120 / 135 / 125                             | 387                          |
| SEU-AL-2/0-2/0-1-150CL   | <a href="#">88283906</a> | 2/0-2/0-1   | 19/14                                 | 722 x 1219             | 115 / 135 / 150 / 150                             | 467                          |
| SEU-AL-2/0-2/0-1-500R    | <a href="#">92042816</a> | 2/0-2/0-1   | 19/14                                 | 722 x 1219             | 115 / 135 / 150 / 150                             | 467                          |
| SEU-AL-4/0-4/0-2/0-100CL | <a href="#">88283907</a> | 4/0-4/0-2/0 | 19/18                                 | 840 x 1439             | 150 / 180 / 205 / 200                             | 690                          |
| SEU-AL-4/0-4/0-2/0-500R  | <a href="#">92042817</a> | 4/0-4/0-2/0 | 19/18                                 | 840 x 1439             | 150 / 180 / 205 / 200                             | 690                          |

### SER Service Entrance Cable-Copper

#### Wire

Used primarily as panel feeder in multiple unit dwellings. However, may be used in all applications where Type SE is permitted. Cable assembly plus fiberglass reinforcement tape are jacketed with a sunlight resistant gray PVC jacket.



#### Benefits

- SER May be Used in Wet or Dry Locations Not to Exceed 90°C
- Voltage Rating: 600V
- Type SE, Style SER Meets or Exceeds UL Std. 44, UL Std. 854
- Meets or Exceeds Fed. Spec. J-C-30B and NEC Requirements

#### Features

- Primarily Used for Interior "Service-Runs" from the Main Service to Distribution Panels and Individual Load Centers

| Mfg. No.                  | Advanced Supply | Wire Size       | Stranding Phase |                 | Stranding Ground Cond. | Nominal O.D. (in.) | Allow. Ampacities (°C)<br>60 / 75 / 90 / Dwelling | Weight per 1000 Foot (lb) |
|---------------------------|-----------------|-----------------|-----------------|-----------------|------------------------|--------------------|---|---------------------------|
|                           |                 |                 | No. of Cond.    | Cond. & Neutral |                        |                    |   |                           |
| SER-CU-6-6-6-6-500R       | <b>88284632</b> | 6-6-6-6         | 4               | 7               | 7                      | 0.729              | 55 / 65 / 75 / -                                  | 421                       |
| SER-CU-4-4-4-6-500R       | <b>88284633</b> | 4-4-4-6         | 4               | 7               | 7                      | 0.84               | 70 / 85 / 95 / 100                                | 585                       |
| SER-CU-4-4-4-6-1000R      | <b>92121178</b> | 4-4-4-6         | 4               | 7               | 7                      | 0.84               | 70 / 85 / 95 / 100                                | 585                       |
| SER-CU-3-3-3-5-500R       | <b>88284634</b> | 3-3-3-5         | 4               | 7               | 7                      | 0.906              | 85 / 100 / 110 / 110                              | 719                       |
| SER-CU-2-2-2-4-500R       | <b>88284635</b> | 2-2-2-4         | 4               | 7               | 7                      | 0.98               | 95 / 115 / 130 / 125                              | 888                       |
| SER-CU-2-2-2-4-1000R      | <b>92121177</b> | 2-2-2-4         | 4               | 7               | 7                      | 0.98               | 95 / 115 / 130 / 125                              | 888                       |
| SER-CU-1-1-1-3-500R       | <b>88284629</b> | 1-1-1-3         | 4               | 19              | 7                      | 1.123              | 110 / 130 / 150 / 150                             | 1114                      |
| SER-CU-1-1-1-3-1000R      | <b>99880495</b> | 1-1-1-3         | 4               | 19              | 7                      | 1.123              | 110 / 130 / 150 / 150                             | 1114                      |
| SER-CU-1/0-1/0-1/0-2-500R | <b>88284630</b> | 1/0-1/0-1/0-2   | 4               | 19              | 7                      | 1.219              | 125 / 150 / 170 / 175                             | 1380                      |
| SER-CU-2/0-2/0-2/0-1C-500 | <b>88284631</b> | 2/0-2/0-2/0-1   | 4               | 19              | 19                     | 1.326              | 145 / 175 / 195 / 200                             | 1711                      |
| SER-CU-2/0-2/0-2/0-1-1000 | <b>99880498</b> | 2/0-2/0-2/0-1   | 4               | 19              | 19                     | 1.326              | 145 / 175 / 195 / 200                             | 1711                      |
| SER-CU-3/0-3C-1/0-1C-500R | <b>88284627</b> | 3/0-3/0-3/0-1/0 | 4               | 19              | 19                     | 1.446              | 165 / 200 / 225 / 225                             | 2127                      |



## AAAC-6201 All Aluminum Alloy Conductor

### Wire

Used as a bare overhead conductor for primary and secondary distribution. Designed utilizing a high-strength aluminum alloy to achieve a high strength-to-weight ratio; affords better sag characteristics. Aluminum alloy gives AAAC-6201 higher resistance to corrosion than ACSR.

### Features

- Meets/Exceeds ASTM B-398 Alum. Alloy 6201-T81
- Meets/Exceeds ASTM B-399 Concentric-Lay-Stranded 6201-T81



| Mfg. No.            | Advanced Supply ID       | Wire Size | Stranding | Individual Wire Dia. (in.) | Nominal O.D. (in.) | Weight per 1000 Foot (lb) | Rated Strength |
|---------------------|--------------------------|-----------|-----------|----------------------------|--------------------|---------------------------|----------------|
| AMES 1391LB REEL    | <a href="#">90084020</a> | 447.47    | 7         | 0.1052                     | 0.316              | 72.2                      | 2800 lb        |
| AMES 695LB REEL     | <a href="#">90084021</a> | 447.47    | 7         | 0.1052                     | 0.316              | 72.2                      | 2800 lb        |
| AMES 700LB REEL     | <a href="#">22052993</a> | 447.47    | 7         | 0.1052                     | 0.316              | 72.2                      | 2800 lb        |
| AMHERST 1391LB REEL | <a href="#">97220852</a> | 195.7     | 7         | 0.1672                     | 0.502              | 182.5                     | 6790 lb        |
| AMHERST 700LB REEL  | <a href="#">99506889</a> | 195.7     | 7         | 0.1672                     | 0.502              | 182.5                     | 6790 lb        |
| AZUSA 695LB REEL    | <a href="#">90084024</a> | 123.3     | 7         | 0.1327                     | 0.398              | 115                       | 4460 lb        |
| ALLIANCE 6040RL     | <a href="#">99880484</a> | 246.9     | 7         | 0.1878                     | 0.563              | 230.2                     | 8560 lb        |
| ALLIANCE REEL       | <a href="#">90084018</a> | 246.9     | 7         | 0.1878                     | 0.563              | 230.2                     | 8560 lb        |
| CANTON 1888R        | <a href="#">90084034</a> | 394.5     | 19        | 0.1441                     | 0.72               | 367.9                     | 13300 lb       |
| CANTON 3774LB REEL  | <a href="#">97220853</a> | 394.5     | 19        | 0.1441                     | 0.72               | 367.9                     | 13300 lb       |

Note: Other sizes/lengths available. Put-Ups indicated in the Mfg. No.

## All Aluminum Conductor (AAC)

### Wire

AAC is used primarily for overhead transmission and primary and secondary distribution, where ampacity must be maintained and a lighter conductor (compared to ACSR) is desired, when conductor strength is not a critical factor.

### Features

- Meets/Exceeds ASTM B-230 Alum. Wire, 1350-H19
- Meets/Exceeds ASTM B-231 Aluminum Conductors



| Mfg. No.            | Advanced ID              | Wire Size | Stranding | Individual Wire Dia. (in.) | Nominal O.D. (in.) | Weight per 1000 Foot (lb) | Rated Strength |
|---------------------|--------------------------|-----------|-----------|----------------------------|--------------------|---------------------------|----------------|
| TULIP 1900LB REEL   | <a href="#">90015122</a> | 336.4     | 19        | 0.1331                     | 0.665              | 315                       | 6150 lb        |
| TULIP 6015FT REEL   | <a href="#">93149410</a> | 336.4     | 19        | 0.1331                     | 0.665              | 315                       | 6150 lb        |
| COSMOS 4255R        | <a href="#">88321315</a> | 477       | 19        | 0.1584                     | 0.792              | 447                       | 8360 lb        |
| ARBUTUS 3700LB REEL | <a href="#">94073034</a> | 795       | 37        | 0.1215                     | 1.026              | 745                       | 13900 lb       |

### Aluminum Service Drop Cable

#### Wire

Used to supply power, usually from a pole-mounted transformer, to the user's service head where connection to the service entrance cable is made. Conductors are concentrically stranded, compressed 1350-H19 aluminum. Insulation is either Polyethylene (PE) or Crosslinked Polyethylene (XLP). Neutral messengers are concentrically stranded 6201, AAC, or ACSR. Conductors have ridges for phase identification.



#### Features

- Voltage Rating: 600 V
- Temperature Rating: PE-75°C/XLP-90°C

| Mfg. No.                       | Advanced Supply ID | Insulated Cond. |           | Nom. Insulation  |            | Cond. Size | Bare Mess. Stranding | Neutral Material | Weight per 1000 Foot (lb) |
|--------------------------------|--------------------|-----------------|-----------|------------------|------------|------------|----------------------|------------------|---------------------------|
|                                |                    | Wire            | Stranding | Thickness (mils) | Insulation |            |                      |                  |                           |
| <b>DUPLEX</b>                  |                    |                 |           |                  |            |            |                      |                  |                           |
| <b>AAC NEUTRAL</b>             |                    |                 |           |                  |            |            |                      |                  |                           |
| COLLIE 1000C                   | 88302878           | 6               | 7         | 45               | XLP        | 6          | 7                    | AAC              | 64                        |
| <b>ACSR NEUTRAL</b>            |                    |                 |           |                  |            |            |                      |                  |                           |
| SHEPHERD PE 500FT COIL         | 88321350           | 6               | 7         | 45               | PE         | 6          | 6/1                  | ACSR             | 75                        |
| SHEPHERD XLP 500FT COIL        | 92118002           | 6               | 7         | 45               | XLP        | 6          | 6/1                  | ACSR             | 75                        |
| TERRIER XLP 500FT COIL         | 99503893           | 4               | 7         | 45               | XLP        | 4          | 6/1                  | ACSR             | 115                       |
| <b>6201 ALLOY NEUTRAL</b>      |                    |                 |           |                  |            |            |                      |                  |                           |
| VIZSLA XLP 500FT REEL          | 95077251           | 6               | 7         | 45               | XLP        | 6          | 7                    | 6201             | 68                        |
| <b>TRIPLEX</b>                 |                    |                 |           |                  |            |            |                      |                  |                           |
| <b>ACSR NEUTRAL</b>            |                    |                 |           |                  |            |            |                      |                  |                           |
| PALUDINA-XL 1000C              | 88302786           | 6               | 1         | 45               | XLP        | 6          | 6/1                  | ACSR             | 109                       |
| VOLUTA PE 1000FT COIL          | 88302851           | 6               | 7         | 45               | PE         | 6          | 6/1                  | ACSR             | 114                       |
| VOLUTA XLP 500FT COIL          | 89039910           | 6               | 7         | 45               | XLP        | 6          | 6/1                  | ACSR             | 114                       |
| PERIWINKLE PE 500FT COIL       | 88302853           | 4               | 7         | 45               | PE         | 4          | 6/1                  | ACSR             | 172                       |
| PERIWINKLE XLP 500FT COIL      | 88302772           | 4               | 7         | 45               | XLP        | 4          | 6/1                  | ACSR             | 172                       |
| CONCH PE 500FT COIL            | 88302858           | 2               | 7         | 45               | PE         | 2          | 6/1                  | ACSR             | 262                       |
| CONCH XLP 500FT COIL           | 88302774           | 2               | 7         | 45               | XLP        | 2          | 6/1                  | ACSR             | 262                       |
| NERITINA PE 1200FT REEL        | 88302844           | 1/0             | 7         | 60               | PE         | 1/0        | 6/1                  | ACSR             | 420                       |
| NERITINA XLP 1200 REEL         | 88321333           | 1/0             | 7         | 60               | XLP        | 1/0        | 6/1                  | ACSR             | 420                       |
| RUNCINA PE 1500FT REEL         | 88302845           | 2/0             | 7         | 60               | PE         | 2/0        | 6/1                  | ACSR             | 520                       |
| RUNCINA XLP 250FT COIL         | 99703228           | 2/0             | 7         | 60               | XLP        | 2/0        | 6/1                  | ACSR             | 520                       |
| TRITON-XL 1500R                | 88302761           | 2/0             | 19        | 60               | XLP        | 2/0        | 6/1                  | ACSR             | 512                       |
| ZUZARA PE 1000FT REEL          | 88302847           | 4/0             | 19        | 60               | PE         | 4/0        | 6/1                  | ACSR             | 788                       |
| ZUZARA XLP 1000FT REEL         | 88302762           | 4/0             | 19        | 60               | XLP        | 4/0        | 6/1                  | ACSR             | 788                       |
| <b>ACSR RED. NEUTRAL</b>       |                    |                 |           |                  |            |            |                      |                  |                           |
| COCKLE PE 250FT COIL           | 99486659           | 2               | 7         | 45               | PE         | 4          | 6/1                  | ACSR             | 228                       |
| COCKLE XLP 1000FT REEL         | 93149411           | 2               | 7         | 45               | XLP        | 4          | 6/1                  | ACSR             | 228                       |
| JANTHINA PE 1200FT REEL        | 88302836           | 1/0             | 7         | 60               | PE         | 2          | 6/1                  | ACSR             | 366                       |
| JANTHINA-XLP 1200R             | 94013318           | 1/0             | 7         | 60               | XLP        | 2          | 6/1                  | ACSR             | 366                       |
| CAVOLINA PE 1500FT REEL        | 90042731           | 2/0             | 7         | 60               | PE         | 1          | 6/1                  | ACSR             | 453                       |
| CERAPUS PE 1000FT REEL         | 88302840           | 4/0             | 19        | 60               | PE         | 2/0        | 6/1                  | ACSR             | 680                       |
| CERAPUS XLP 1000FT REEL        | 88302754           | 4/0             | 19        | 60               | XLP        | 2/0        | 6/1                  | ACSR             | 680                       |
| <b>6201 ALLOY NEUTRAL</b>      |                    |                 |           |                  |            |            |                      |                  |                           |
| HIPPA XLP 2200FT REEL          | 99506890           | 6               | 7         | 45               | XLP        | 6          | 7                    | 6201             | 107                       |
| BARNACLES-XLP-1500RL           | 90084029           | 4               | 7         | 45               | XLP        | 4          | 7                    | 6201             | 160                       |
| SHRIMP/XLP AL 500C             | 99858986           | 2               | 7         | 45               | XLP        | 2          | 7                    | 6201             | 243                       |
| GAMMARUS XLP 1000FT REEL       | 92119079           | 1/0             | 7         | 60               | XLP        | 1/0        | 7                    | 6201             | 390                       |
| LEDA XLP 300FT REEL            | 96001245           | 1/0             | 19        | 60               | XLP        | 1/0        | 7                    | 6201             | 384                       |
| LEPAS PE 1000FT REEL           | 95001879           | 4/0             | 19        | 60               | PE         | 4/0        | 7                    | 6201             | 727                       |
| LEPAS XLP 1000FT REEL          | 94058183           | 4/0             | 19        | 60               | XLP        | 4/0        | 7                    | 6201             | 727                       |
| <b>6201 ALLOY RED. NEUTRAL</b> |                    |                 |           |                  |            |            |                      |                  |                           |
| SOLASTER PE 500FT COIL         | 98287652           | 2               | 7         | 45               | PE         | 4          | 7                    | 6201             | 216                       |
| SOLASTER XLP 500FT COIL        | 22057328           | 2               | 7         | 45               | XLP        | 4          | 7                    | 6201             | 216                       |
| SANDCRAB-XLP 500R              | 92119081           | 1/0             | 7         | 60               | XLP        | 2          | 7                    | 6201             | 347                       |
| ECHINUS/XLPE 1200R             | 92119076           | 1/0             | 19        | 60               | XLP        | 2          | 7                    | 6201             | 341                       |

Continued ►

## Aluminum Service Drop Cable

### Wire

| Mfg. No.                  | Advanced Supply | ID    | Wire Size | Insulated Cond. Stranding | Nom. Insulation Thickness (mils) | Insulation | Cond. Size | Bare Mess. Stranding | Neutral Material | Weight per 1000 Foot (lb) |
|---------------------------|-----------------|-------|-----------|---------------------------|----------------------------------|------------|------------|----------------------|------------------|---------------------------|
| <b>TRIPLEX</b>            |                 |       |           |                           |                                  |            |            |                      |                  |                           |
| <b>AAC NEUTRAL</b>        |                 |       |           |                           |                                  |            |            |                      |                  |                           |
| PATELLA PE 500FT COIL     | 98405618        | 6     | 7         | 7                         | 45                               | PE         | 6          | 7                    | AAC              | 103                       |
| OYSTER-XL 500C            | 88302795        | 4     | 7         | 7                         | 45                               | XLP        | 4          | 7                    | AAC              | 154                       |
| CLAM XLP 500FT COIL       | 88302797        | 2     | 7         | 7                         | 45                               | XLP        | 2          | 7                    | AAC              | 233                       |
| MUREX 500C                | 88302862        | 1/0   | 7         | 7                         | 60                               | XLP        | 1/0        | 7                    | AAC              | 374                       |
| <b>QUADRAPLEX</b>         |                 |       |           |                           |                                  |            |            |                      |                  |                           |
| <b>6201 ALLOY NEUTRAL</b> |                 |       |           |                           |                                  |            |            |                      |                  |                           |
| SHETLAND-XLP-1000R        | 99880516        | 1/0   | 19        | 19                        | 60                               | XLP        | 1/0        | 7                    | 6201             | 519                       |
| WALKING-XLP 1000FT        | 22083325        | 4/0   | 19        | 19                        | 60                               | XLP        | 4/0        | 7                    | 6201             | 977                       |
| WALKING-YES 1000FT REEL*  | 94058185        | 4/0   | 19        | 19                        | 60                               | XLP        | 4/0        | 7                    | 6201             | 977                       |
| <b>AAC NEUTRAL</b>        |                 |       |           |                           |                                  |            |            |                      |                  |                           |
| MUSTANG 500C              | 93156543        | 2     | 7         | 7                         | 45                               | XLP        | 2          | 7                    | AAC              | 318                       |
| <b>ACSR NEUTRAL</b>       |                 |       |           |                           |                                  |            |            |                      |                  |                           |
| CHOLA 500C                | 88302828        | 6     | 7         | 7                         | 45                               | XLP        | 6          | 6/1                  | ACSR             | 153                       |
| HACKNEY PE 500FT COIL     | 88302830        | 4     | 7         | 7                         | 45                               | PE         | 4          | 6/1                  | ACSR             | 229                       |
| HACKNEY-XL 500C           | 88302744        | 4     | 7         | 7                         | 45                               | XLP        | 4          | 6/1                  | ACSR             | 229                       |
| PALOMINO PE 500FT COIL    | 89039824        | 2     | 7         | 7                         | 45                               | PE         | 2          | 6/1                  | ACSR             | 347                       |
| PALOMINO-XLP 1800R        | 90015079        | 2     | 7         | 7                         | 45                               | XLP        | 2          | 6/1                  | ACSR             | 347                       |
| COSTENA PE 1200FT REEL    | 88302813        | 1/0   | 19        | 19                        | 60                               | PE         | 1/0        | 6/1                  | ACSR             | 549                       |
| COSTENA XLP 1200FT REEL   | 88302747        | 1/0   | 19        | 19                        | 60                               | XLP        | 1/0        | 6/1                  | ACSR             | 549                       |
| GRULLO PE 1500FT REEL     | 88302814        | 2/0   | 19        | 19                        | 60                               | PE         | 2/0        | 6/1                  | ACSR             | 677                       |
| APPALOOSA PE 1100FT REEL  | 88302816        | 4/0   | 19        | 19                        | 60                               | PE         | 4/0        | 6/1                  | ACSR             | 1038                      |
| GELDING-XLP 500R          | 95009772        | 336.4 | 19        | 19                        | 80                               | XLP        | 336.4      | 6/1                  | ACSR             | 1494                      |

\*YES = Yellow Extruded Stripe

## ACSR

### Wire

Used as bare overhead transmission cable and as primary and secondary distribution cable. ACSR offers optimal strength for line design. Variable steel core stranding enables desired strength to be achieved without sacrificing ampacity.

### Features

- Alum. Alloy 1350-H19 Wires Concentrically Stranded About a Steel Core

| Mfg. No.             | Advanced Supply | ID | Wire Size | Stranding Al / Stl | Nominal O.D. (in.) | Weight per 1000 Foot (lb) |
|----------------------|-----------------|----|-----------|--------------------|--------------------|---------------------------|
| SWAN 220LB COIL      | 89039818        |    | 4         | 6/1                | 0.254              | 57.4                      |
| SWANATE 237LB COIL   | 89021438        |    | 4         | 7/1                | 0.257              | 67                        |
| SPARROW 220LB COIL   | 88321352        |    | 2         | 6/1                | 0.316              | 91.3                      |
| SPARATE 241LB COIL   | 89021442        |    | 2         | 7/1                | 0.325              | 106.7                     |
| RAVEN 220LB COIL     | 89009681        |    | 1/0       | 6/1                | 0.398              | 145.2                     |
| QUAIL 1770LB REEL    | 89009682        |    | 2/0       | 6/1                | 0.447              | 183.1                     |
| PIGEON 884LB REEL    | 88321337        |    | 3/0       | 6/1                | 0.502              | 230.9                     |
| PENGUIN 884LB REEL   | 89021446        |    | 4/0       | 6/1                | 0.563              | 291.1                     |
| WAXWING 2075 LB REEL | 91033569        |    | 266.8     | 18/1               | 0.609              | 289                       |
| MERLIN 2077LB REEL   | 90015071        |    | 336.4     | 18/1               | 0.684              | 365.3                     |
| PELICAN 2076LB REEL  | 88321339        |    | 477       | 18/1               | 0.814              | 517                       |
| HAWK 3786LB REEL     | 89021452        |    | 477       | 26/7               | 0.858              | 656                       |



### Type SEOOW

#### Wire

Multiconductor cable with Thermoplastic-Elastomer insulation/jacket.

#### Benefits

- Voltage Rating: 600V
- UL Listed as SEOOW
- CSA Listed as SEOOW
- OSHA Acceptable
- MSHA Listed
- Passes MSHA Flame Test
- Sunlight, Water, and Weather Resistant Per UL and CSA
- Resistant to Oil, Acid, Impact, Abrasion, Water, Flame & High Temp

#### Features

- Temperature Rating: -60°C to 105°C
- SEOOW Designed for Extra Hard Usage
- For Use with Industrial Equipment, Heavy Tools, etc.
- Ideal for Flex Applications in Harsh Environments
- May be Immersed in Water when Exposed to Oil/Coolant



| Mfg. No.             | Advanced Supply ID | Wire Size | No. of Cond. | Type  | Stranding  | Nom. O.D. (in.) |
|----------------------|--------------------|-----------|--------------|-------|------------|-----------------|
| SEOOW-18-2-BLK-250CL | 99945299           | 18 AWG    | 2            | SEOOW | 16 x 30    | 0.342           |
| SEOOW-18-3-BLK-250CL | 99945300           | 18 AWG    | 3            | SEOOW | 16 x 30    | 0.360           |
| SEOOW-18-4-YEL-250CL | 99938638           | 18 AWG    | 4            | SEOOW | 16 x 30    | 0.386           |
| SEOOW-16-2-BLK-250CL | 99945295           | 16 AWG    | 2            | SEOOW | 26 x 30    | 0.369           |
| SEOOW-16-2-YEL-250CL | 99938631           | 16 AWG    | 2            | SEOOW | 26 x 30    | 0.369           |
| SEOOW-16-3-BLK-250CL | 99945297           | 16 AWG    | 3            | SEOOW | 26 x 30    | 0.388           |
| SEOOW-16-3-YEL-250CL | 99938633           | 16 AWG    | 3            | SEOOW | 26 x 30    | 0.388           |
| SEOOW-16-4-BLK-250CL | 99945298           | 16 AWG    | 4            | SEOOW | 26 x 30    | 0.419           |
| SEOOW-16-4-YEL-250CL | 99938634           | 16 AWG    | 4            | SEOOW | 26 x 30    | 0.419           |
| SEOOW-14-2-BLK-250CL | 99945285           | 14 AWG    | 2            | SEOOW | 41 x 30    | 0.501           |
| SEOOW-14-3-BLK-250CL | 99945292           | 14 AWG    | 3            | SEOOW | 41 x 30    | 0.528           |
| SEOOW-14-3-YEL-250CL | 99938629           | 14 AWG    | 3            | SEOOW | 41 x 30    | 0.528           |
| SEOOW-14-4-BLK-250CL | 99945294           | 14 AWG    | 4            | SEOOW | 41 x 30    | 0.570           |
| SEOOW-14-4-YEL-250CL | 99938630           | 14 AWG    | 4            | SEOOW | 41 x 30    | 0.570           |
| SEOOW-12-3-BLK-250CL | 99945282           | 12 AWG    | 3            | SEOOW | 65 x 30    | 0.594           |
| SEOOW-12-3-YEL-250CL | 99938626           | 12 AWG    | 3            | SEOOW | 65 x 30    | 0.594           |
| SEOOW-12-4-BLK-250CL | 99945283           | 12 AWG    | 4            | SEOOW | 65 x 30    | 0.640           |
| SEOOW-12-4-YEL-250CL | 99938627           | 12 AWG    | 4            | SEOOW | 65 x 30    | 0.640           |
| SEOOW-10-2-BLK-250CL | 99945278           | 10 AWG    | 2            | SEOOW | 104 x 30   | 0.615           |
| SEOOW-10-3-BLK-250CL | 99945279           | 10 AWG    | 3            | SEOOW | 104 x 30   | 0.650           |
| SEOOW-10-3-YEL-250CL | 99938622           | 10 AWG    | 3            | SEOOW | 104 x 30   | 0.650           |
| SEOOW-10-4-BLK-250CL | 99945280           | 10 AWG    | 4            | SEOOW | 104 x 30   | 0.700           |
| SEOOW-10-4-YEL-250CL | 99938624           | 10 AWG    | 4            | SEOOW | 104 x 30   | 0.700           |
| SEOOW-8-4-BLK-1000RL | 22069657           | 8 AWG     | 4            | SEOOW | 133 x 11.4 | 0.791           |

#### Notes:

SEOOW-8-4-BLK-1000RL 1000 ft. Spool, All Others 250 ft. Spools

## Type SJEOOW

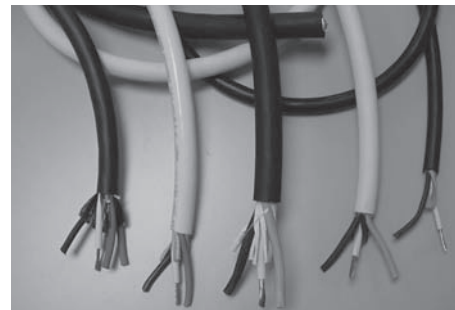
### Wire

#### Benefits

- Voltage Rating: 300V
- UL Listed as SJEOOW
- CSA Certified as SJEOOW
- OSHA Acceptable
- MSHA Listed
- Sunlight, Water, and Weather Resistant Per UL and CSA
- Provides Premium Oil and Water Resistant and Flexibility

#### Features

- Temperature Rating: -60°C to 105°C
- SJEOOW Designed for Hard Usage
- For Use with Industrial Equipment, Heavy Tools, etc.
- TPE Insulation and TPE Jacket
- UL and CSA Listed for Continuous Submersion in Water
- Black or Yellow Jackets



| Mfg. No.              | Advanced Supply ID       | Wire Size | No. of Cond. | Type   | Stranding | Nom. O.D. (in.) |
|-----------------------|--------------------------|-----------|--------------|--------|-----------|-----------------|
| SJEOOW-18-2-BLK-250CL | <a href="#">99945334</a> | 18 AWG    | 2            | SJEOOW | 16 x 30   | 0.282           |
| SJEOOW-18-4-BLK-250CL | <a href="#">99945336</a> | 18 AWG    | 4            | SJEOOW | 16 x 30   | 0.326           |
| SJEOOW-16-2-BLK-250CL | <a href="#">99945330</a> | 16 AWG    | 2            | SJEOOW | 26 x 30   | 0.309           |
| SJEOOW-16-3-YEL-250CL | <a href="#">99938649</a> | 16 AWG    | 3            | SJEOOW | 26 x 30   | 0.328           |
| SJEOOW-16-4-BLK-250CL | <a href="#">99945333</a> | 16 AWG    | 4            | SJEOOW | 26 x 30   | 0.359           |
| SJEOOW-16-4-YEL-250CL | <a href="#">99938650</a> | 16 AWG    | 4            | SJEOOW | 26 x 30   | 0.359           |
| SJEOOW-14-2-BLK-250CL | <a href="#">99945327</a> | 14 AWG    | 2            | SJEOOW | 41 x 30   | 0.341           |
| SJEOOW-14-2-YEL-250CL | <a href="#">99938645</a> | 14 AWG    | 2            | SJEOOW | 41 x 30   | 0.341           |
| SJEOOW-14-3-BLK-250CL | <a href="#">99945328</a> | 14 AWG    | 3            | SJEOOW | 41 x 30   | 0.363           |
| SJEOOW-14-4-YEL-250CL | <a href="#">99938647</a> | 14 AWG    | 4            | SJEOOW | 41 x 30   | 0.398           |
| SJEOOW-12-2-BLK-1000R | <a href="#">22073231</a> | 12 AWG    | 2            | SJEOOW | 65 x 30   | 0.405           |
| SJEOOW-12-3-BLK-250CL | <a href="#">99945322</a> | 12 AWG    | 3            | SJEOOW | 65 x 30   | 0.429           |
| SJEOOW-12-4-YEL-250CL | <a href="#">99938644</a> | 12 AWG    | 4            | SJEOOW | 65 x 30   | 0.468           |
| SJEOOW-10-2-BLK-250CL | <a href="#">99945318</a> | 10 AWG    | 2            | SJEOOW | 104 x 30  | 0.540           |
| SJEOOW-10-3-BLK-250CL | <a href="#">99945319</a> | 10 AWG    | 3            | SJEOOW | 104 x 30  | 0.572           |
| SJEOOW-10-3-YEL-250CL | <a href="#">99938640</a> | 10 AWG    | 3            | SJEOOW | 104 x 30  | 0.572           |
| SJEOOW-10-4-BLK-250CL | <a href="#">99945320</a> | 10 AWG    | 4            | SJEOOW | 104 x 30  | 0.625           |

#### Notes:

SJEOOW-12-2-BLK-1000R 1000 ft. Spool, All Others 250 ft. Spools

### Type SJ00W

Wire



#### Benefits

- Voltage Rating: 300V
- Temperature Rating: 90°C
- Designed for Hard Usage
- For Use with Industrial Equipment, Heavy Tools, etc.
- EPDM Insulation and Thermoset (CPE) Jacket
- UL and CSA Listed for Continuous Submersion in Water

| Mfg. No.             | Advanced ID     | Wire Size | No. of Cond. | Type  | Stranding | Nom. O.D. (in.) |
|----------------------|-----------------|-----------|--------------|-------|-----------|-----------------|
| SJ00W-18-2-BLK-250CN | <b>88302025</b> | 18 AWG    | 2            | SJ00W | 16 x 30   | 0.280           |
| SJ00W-18-3-YEL-250CN | <b>88302016</b> | 18 AWG    | 3            | SJ00W | 16 x 30   | 0.300           |
| SJ00W-18-4-YEL-250CN | <b>88301823</b> | 18 AWG    | 4            | SJ00W | 16 x 30   | 0.325           |
| SJ00W-16-2-BLK-250RL | <b>88302033</b> | 16 AWG    | 2            | SJ00W | 26 x 30   | 0.305           |
| SJ00W-16-3-BLK-250RL | <b>88302034</b> | 16 AWG    | 3            | SJ00W | 26 x 30   | 0.325           |
| SJ00W-16-4-BLK-250RL | <b>88302035</b> | 16 AWG    | 4            | SJ00W | 26 x 30   | 0.350           |
| SJ00W-14-2-BLK-250RL | <b>88302036</b> | 14 AWG    | 2            | SJ00W | 41 x 30   | 0.335           |
| SJ00W-14-3-BLK-250RL | <b>88302037</b> | 14 AWG    | 3            | SJ00W | 41 x 30   | 0.360           |
| SJ00W-14-4-BLK-250RL | <b>88302018</b> | 14 AWG    | 4            | SJ00W | 41 x 30   | 0.390           |
| SJ00W-12-2-BLK-250RL | <b>88302019</b> | 12 AWG    | 2            | SJ00W | 65 x 30   | 0.405           |
| SJ00W-12-3-BLK-250RL | <b>88302020</b> | 12 AWG    | 3            | SJ00W | 65 x 30   | 0.425           |
| SJ00W-12-4-BLK-250RL | <b>88302021</b> | 12 AWG    | 4            | SJ00W | 65 x 30   | 0.465           |
| SJ00W-10-3-BLK-250RL | <b>88302023</b> | 10 AWG    | 3            | SJ00W | 104 x 30  | 0.565           |
| SJ00W-10-4-BLK-250CN | <b>99523048</b> | 10 AWG    | 4            | SJ00W | 104 x 30  | 0.625           |

CN = Carton  
RL = Reel

### Type SO0W

Wire

Multiconductor cable with Synthetic Rubber Insulation and Oil-Resistant Thermoset jacket.

#### Benefits

- Voltage Rating: 600V
- UL Listed as SO0W
- CSA Certified as SO0W
- OSHA Acceptable
- MSHA Listed
- Passes MSHA Flame Test
- Sunlight, Water, and Weather Resistant Per UL and CSA
- Resistant to Oil, Acid, Impact, Abrasion, Water, Flame & High Temp

#### Features

- Temperature Rating: 90°C
- SO0W Designed for Extra Hard Usage
- For Use with Industrial Equipment, Heavy Tools, etc.
- EPDM Insulation and Thermoset (CPE) Jacket
- UL and CSA Listed for Continuous Submersion in Water



| Mfg. No.             | Advanced Supply ID | Wire Size | No. of Cond. | Type | Stranding | Nom. O.D. (in.) |
|----------------------|--------------------|-----------|--------------|------|-----------|-----------------|
| SO0W-18-2-BLK-250CN  | <b>88301972</b>    | 18 AWG    | 2            | SO0W | 16 x 30   | 0.340           |
| SO0W-18-3-BLK-250CN  | <b>88301973</b>    | 18 AWG    | 3            | SO0W | 16 x 30   | 0.360           |
| SO0W-18-4-BLK-250CN  | <b>88301975</b>    | 18 AWG    | 4            | SO0W | 16 x 30   | 0.385           |
| SO0W-18-5-BLK-250CN  | <b>90059022</b>    | 18 AWG    | 5            | SO0W | 16 x 30   | 0.465           |
| SO0W-18-6-BLK-250CN  | <b>90054159</b>    | 18 AWG    | 6            | SO0W | 16 x 30   | 0.491           |
| SO0W-18-7-BLK-250CN  | <b>90002523</b>    | 18 AWG    | 7            | SO0W | 16 x 30   | 0.490           |
| SO0W-18-8-BLK-250CN  | <b>90044734</b>    | 18 AWG    | 8            | SO0W | 16 x 30   | 0.523           |
| SO0W-18-12-BLK-250CN | <b>90044733</b>    | 18 AWG    | 12           | SO0W | 16 x 30   | 0.605           |
| SO0W-16-2-BLK-250CN  | <b>88301977</b>    | 16 AWG    | 2            | SO0W | 26 x 30   | 0.365           |
| SO0W-16-3-BLK-250CN  | <b>88301978</b>    | 16 AWG    | 3            | SO0W | 26 x 30   | 0.385           |

Continued ►

## Type SOOW

## Wire

| Mfg. No.                    | Advanced Supply ID | Wire Size | No. of Cond. | Type | Stranding | Nom. O.D. (in.) |
|-----------------------------|--------------------|-----------|--------------|------|-----------|-----------------|
| SOOW-16-4-BLK-250CN         | 88301960           | 16 AWG    | 4            | SOOW | 26 x 30   | 0.410           |
| SOOW-16-6-BLK-250CN         | 88323981           | 16 AWG    | 6            | SOOW | 26 x 30   | 0.520           |
| SOOW-16-8-BLK-500RL *       | 96093083           | 16 AWG    | 8            | SOOW | 26 x 30   | 0.565           |
| SOOW-16-10-BLK-250RL        | 90044729           | 16 AWG    | 10           | SOOW | 26 x 30   | 0.620           |
| SOOW-16-14-BLK-250CN        | 90078576           | 16 AWG    | 14           | SOOW | 26 x 30   | 0.725           |
| SOOW-16-16-BLK-250R         | 90078577           | 16 AWG    | 16           | SOOW | 26 x 30   | 0.760           |
| SOOW-16-20-BLK-500RL *      | 90075125           | 16 AWG    | 20           | SOOW | 26 x 30   | 0.815           |
| SOOW-16-30-BLK-250CN        | 99450369           | 16 AWG    | 30           | SOOW | 26 x 30   | 0.990           |
| SOOW-14-2-BLK-250CN         | 88301962           | 14 AWG    | 2            | SOOW | 41 x 30   | 0.495           |
| SOOW-14-3-BLK-250CN         | 88301963           | 14 AWG    | 3            | SOOW | 41 x 30   | 0.520           |
| SOOW-14-4-BLK-250CN         | 88301965           | 14 AWG    | 4            | SOOW | 41 x 30   | 0.560           |
| SOOW-14-5-BLK-250CN         | 89088899           | 14 AWG    | 5            | SOOW | 41 x 30   | 0.635           |
| SOOW-14-6-BLK-250RL         | 99568072           | 14 AWG    | 6            | SOOW | 41 x 30   | 0.687           |
| SOOW-14-7-BLK-250CN         | 90061847           | 14 AWG    | 7            | SOOW | 41 x 30   | 0.655           |
| SOOW-14-8-BLK-250CN         | 90044728           | 14 AWG    | 8            | SOOW | 41 x 30   | 0.737           |
| SOOW-14-10-BLK-250CN        | 90078570           | 14 AWG    | 10           | SOOW | 41 x 30   | 0.815           |
| SOOW-14-16-BLK-1000R †      | 97231795           | 14 AWG    | 16           | SOOW | 41 x 30   | 0.995           |
| SOOW-14-20-BLK-1000RL †     | 99507679           | 14 AWG    | 20           | SOOW | 41 x 30   | 1.070           |
| SOOW-14-24-BLK-1000RL †     | 97231796           | 14 AWG    | 24           | SOOW | 41 x 30   | 1.160           |
| SOOW-14-37-BLK-1000RL †     | 99417612           | 14 AWG    | 37           | SOOW | 41 x 30   | 1.400           |
| SOOW-12-2-BLK-250CN         | 88301967           | 12 AWG    | 2            | SOOW | 65 x 30   | 0.565           |
| SOOW-12-3-BLK-250CN         | 88301968           | 12 AWG    | 3            | SOOW | 65 x 30   | 0.590           |
| SOOW-12-4-BLK-250CN         | 88301950           | 12 AWG    | 4            | SOOW | 65 x 30   | 0.640           |
| SOOW-12-5-BLK-250RL         | 89088897           | 12 AWG    | 5            | SOOW | 65 x 30   | 0.705           |
| SOOW-12-6-BLK-250CN         | 90078566           | 12 AWG    | 6            | SOOW | 65 x 30   | 0.740           |
| SOOW-12-8-BLK-1000RL †      | 97137024           | 12 AWG    | 8            | SOOW | 65 x 30   | 0.795           |
| SOOW-10-2-BLK-250CN         | 88301952           | 10 AWG    | 2            | SOOW | 104 x 30  | 0.615           |
| SOOW-10-3-BLK-250CN         | 88301953           | 10 AWG    | 3            | SOOW | 104 x 30  | 0.650           |
| SOOW-10-4-BLK-250CN         | 88301954           | 10 AWG    | 4            | SOOW | 104 x 30  | 0.700           |
| SOOW-10-5-BLK-250CN         | 92037950           | 10 AWG    | 5            | SOOW | 104 x 30  | 0.760           |
| SOOW-8-3-BLK-250RL          | 88301956           | 8 AWG     | 3            | SOOW | 65 x 26   | 0.655           |
| SOOW-8-4-BLK-250RL          | 88301957           | 8 AWG     | 4            | SOOW | 65 x 26   | 0.715           |
| SOOW-8-5-BLK-250RL          | 88301827           | 8 AWG     | 5            | SOOW | 65 x 26   | 0.785           |
| SOOW-6-3-BLK-250RL          | 88301939           | 6 AWG     | 3            | SOOW | 103 x 26  | 0.730           |
| SOOW-6-4-BLK-250RL          | 88301940           | 6 AWG     | 4            | SOOW | 103 x 26  | 0.845           |
| SOOW-6-5-BLK-250RL          | 88301941           | 6 AWG     | 5            | SOOW | 103 x 26  | 0.925           |
| SOOW-4-3-BLK-250RL          | 88301942           | 4 AWG     | 3            | SOOW | 133 x 25  | 0.955           |
| SOOW-4-4-BLK-250RL          | 88301943           | 4 AWG     | 4            | SOOW | 133 x 25  | 1.050           |
| SOOW-4-5-BLK-250RL          | 88301829           | 4 AWG     | 5            | SOOW | 133 x 25  | 1.155           |
| SOOW-2-4-BLK-250RL          | 88301946           | 2 AWG     | 4            | SOOW | 133 x 23  | 1.200           |
| SOOW-2-5-BLK-250RL          | 95016896           | 2 AWG     | 5            | SOOW | 133 x 23  | 1.325           |
| SOOW-PREM-18-3-YEL-250CN    | 90064779           | 18 AWG    | 3            | SOOW | 41 x 34   | 0.360           |
| SOOW-PREM-16-4-YEL-250CN    | 22043971           | 16 AWG    | 4            | SOOW | 65 x 34   | 0.420           |
| SOOW-PREM-14-3-YEL-250CN    | 22043970           | 14 AWG    | 3            | SOOW | 41 x 34   | 0.524           |
| SOOW-PREM-14-4-YEL-250CN    | 90075124           | 14 AWG    | 4            | SOOW | 41 x 34   | 0.567           |
| SOOW-PREM-12-2-YEL-1000RL † | 97259022           | 12 AWG    | 2            | SOOW | 65 x 30   | 0.574           |
| SOOW-PREM-12-3-YEL-250CL    | 99919241           | 12 AWG    | 3            | SOOW | 65 x 30   | 0.600           |
| SOOW-PREM-12-4-YEL-250CL    | 99919242           | 12 AWG    | 4            | SOOW | 65 x 30   | 0.650           |
| SOOW-PREM-10-3-YEL-250CL    | 99919240           | 10 AWG    | 3            | SOOW | 104 x 30  | 0.655           |
| SOOW-PREM-10-4-YEL-250CL    | 99919246           | 10 AWG    | 4            | SOOW | 104 x 30  | 0.710           |

\* 500 ft. Spools

† 1000 ft. Spools

PREM = Premium Grade

### Power Strips

American Insulated Wire

3 Outlet Power Block.

#### Features

- Voltage Rating: 300V
- 1875 W Rated
- NEMA 5-15
- Provides Additional Outlets From One Source
- Wire Type: SJTW

| Mfg. No.   | Advanced Supply ID       | Description          | Wire Size | Number of Outlets | Color        | Cord Length |
|------------|--------------------------|----------------------|-----------|-------------------|--------------|-------------|
| C4514025BO | <a href="#">88311022</a> | 3 Outlet Power Block | 14/3C     | 3                 | Orange/Black | 25 ft.      |
| C4514050BO | <a href="#">88311021</a> | 3 Outlet Power Block | 14/3C     | 3                 | Orange/Black | 50 ft.      |

### Extension Cords

American Insulated Wire

#### Benefits

- Voltage Rating: 300V
- NEMA 5-15 Plug Configuration
- Applications: Construction, Industrial and Maintenance

#### Features

- All Weather

| Mfg. No.      | Advanced ID              | Wire Size | No. of Cond. | Type  | Length (ft.) | Jacket Color         |
|---------------|--------------------------|-----------|--------------|-------|--------------|----------------------|
| C2316025OR    | <a href="#">88305739</a> | 16 AWG    | 3            | SJTW  | 25           | Orange               |
| C2316100OR    | <a href="#">88305737</a> | 16 AWG    | 3            | SJTW  | 100          | Orange               |
| C3422025BL    | <a href="#">97128972</a> | 12 AWG    | 3            | SJOOW | 25           | Black                |
| C3444100YPB   | <a href="#">96031521</a> | 14 AWG    | 3            | SJTW  | 100          | Yellow               |
| C4312025YWLTE | <a href="#">88311025</a> | 12 AWG    | 3            | SJTW  | 25           | Yellow               |
| C4312050YWLTE | <a href="#">88311024</a> | 12 AWG    | 3            | SJTW  | 50           | Yellow               |
| C4312100YWLTE | <a href="#">88311023</a> | 12 AWG    | 3            | SJTW  | 100          | Yellow               |
| C4314025BOLTE | <a href="#">88305736</a> | 14 AWG    | 3            | SJTW  | 25           | Orange, Black Stripe |
| C4314050BOLTE | <a href="#">88311027</a> | 14 AWG    | 3            | SJTW  | 50           | Orange, Black Stripe |
| C4314100BOLTE | <a href="#">88311026</a> | 14 AWG    | 3            | SJTW  | 100          | Orange, Black Stripe |

### Power Cords

American Insulated Wire

Appliance and Power Supply Cords.

| Mfg. No.      | Advanced ID              | Gauge Size / Conductors | Length | Jacket Color | Type                 | Receptacle Configuration       | Amp Rating | NEMA Configuration |
|---------------|--------------------------|-------------------------|--------|--------------|----------------------|--------------------------------|------------|--------------------|
| A0285004GYPLB | <a href="#">88311016</a> | 10-3C                   | 4 ft.  | Gray         | Dryer Cord           | Right Angle/Rings              | 30A        | 10-30P             |
| A5434004BL    | <a href="#">89084430</a> | 10-4C                   | 4 ft.  | Black        | Dryer Cord           | Right Angle/Ringed             | 40A        | 14-30P             |
| A5434006BL    | <a href="#">96002146</a> | 10-4C                   | 6 ft.  | Black        | Dryer Cord           | Right Angle/Ringed             | 40A        | 14-30P             |
| A5436004BL    | <a href="#">89084429</a> | 6-2C/8-2C               | 4 ft.  | Black        | Range Cord           | Right Angle/Ring               | 50A        | 14-50P             |
| A5436006BL    | <a href="#">90074468</a> | 6-2C/8-2C               | 6 ft.  | Black        | Range Cord           | Right Angle/Rings              | 50A        | 14-50P             |
| C1316006BL    | <a href="#">90002927</a> | 16-3C                   | 6 ft.  | Black        | Garbage Disposal     | Straight/Split and Stripped    | 13A        | 5-15P              |
| C1316008BL    | <a href="#">88318293</a> | 16-3C                   | 8 ft.  | Black        | Garbage Disposal     | Straight/Split and Stripped    | 13A        | 5-15P              |
| C1337003GY    | <a href="#">88316859</a> | 16-3C                   | 3 ft.  | Gray         | Garbage Disposal     | Straight/Split and Stripped    | 13A        | 5-15P              |
| C1337006GY    | <a href="#">88316857</a> | 16-3C                   | 6 ft.  | Gray         | Garbage Disposal     | Straight/Split and Stripped    | 13A        | 5-15P              |
| C1337008GY    | <a href="#">90002930</a> | 16-3C                   | 8 ft.  | Gray         | Garbage Disposal     | Straight/Split and Stripped    | 13A        | 5-15P              |
| C1338006GY    | <a href="#">89086498</a> | 16-3C                   | 6 ft.  | Gray         | Garbage Disposal     | Right Angle/Split and Stripped | 13A        | 5-15P              |
| C1344006GY    | <a href="#">90086125</a> | 14-3C                   | 6 ft.  | Gray         | Air Conditioner Cord | Right Angle/Split and Stripped | 15A        | 6-15P              |



## Type W

### Wire

Designed for use in conveyors, drills and pumps and as portable power and temporary power supply cables where grounded circuits are not required.

#### Benefits

- Voltage Rating: 2000V
- Suitable for Continuous Submersion in Shallow Water
- Temperature Rating: 90°C Wet or Dry to -40°C
- EPDM Insulation
- Heavy Duty Oil & Sunlight Resistant Thermoset CPE Jacket

#### Features

- OSHA Acceptable
- MSHA Listed
- Passes MSHA Flame Test
- Excellent Resistance to Oil, Solvents, Ozone & Aging
- Excellent Flexibility
- Sunlight Resistant
- Suitable Fillers



| Mfg. No.           | Advanced Supply          | Wire Size | No. of Cond. | Stranding    | Nom. Insulation Thickness (in.) | Nom. O.D. (in.) | Amps | Weight per 1000 Foot (lb) | Nominal O.D. (in.) |
|--------------------|--------------------------|-----------|--------------|--------------|---------------------------------|-----------------|------|---------------------------|--------------------|
| W-8-3-BLK-1000RL   | <a href="#">91035311</a> | 8 AWG     | 3            | 49 x 0.0184  | 0.060                           | .890            | 65   | 476                       | 0.890              |
| W-8-4-BLK-1000RL   | <a href="#">91035312</a> | 8 AWG     | 4            | 49 x 0.0184  | 0.060                           | .970            | 52   | 584                       | 0.970              |
| W-6-4-BLK-1000RL   | <a href="#">94041189</a> | 6 AWG     | 4            | 65 x 0.0201  | 0.060                           | 1.070           | 70   | 814                       | 1.070              |
| W 4-3 250R         | <a href="#">97114030</a> | 4 AWG     | 3            | 103 x 0.021  | 0.060                           | 1.105           | 114  | 848                       | 1.105              |
| W-4-4-BLK-1000RL   | <a href="#">94041188</a> | 4 AWG     | 4            | 103 x 0.021  | 0.060                           | 1.220           | 91   | 1072                      | 1.220              |
| W-2-4-BLK-1000RL   | <a href="#">94041187</a> | 2 AWG     | 4            | 133 x 0.0223 | 0.060                           | 1.440           | 122  | 1538                      | 1.440              |
| W-1/0-4-BLK-1000RL | <a href="#">98306968</a> | 1/0 AWG   | 4            | 259 x 0.0202 | 0.080                           | 1.730           | 164  | 2353                      | 1.730              |
| W-2/0-4-BLK-500RL  | <a href="#">22016794</a> | 2/0 AWG   | 4            | 259 x 0.0227 | 0.080                           | 1.860           | 190  | 2838                      | 1.860              |

## 600V Welding Cable Non UL

### Wire

Designed for welding cable use where resistance to cuts, tears and abrasion is required. Suitable for connection from electrode holder to arc welder or transformer and return. UL 600V CSPE Welding Cable and Premium Grade (Extra Hard Use) are available upon request.



#### Features

- Extra-Flexible Stranding (Class K)
- Temperature Rating: 105°C to -55°C
- Moisture Resistant
- Thermoset Jacket (EPDM)

| Mfg. No.        | Advanced ID              | Wire Size | Stranding | Nom. O.D. (in.) | Amps | Jacket Color | WGT-LBS / MFT |
|-----------------|--------------------------|-----------|-----------|-----------------|------|--------------|---------------|
| WELDING-6       | <a href="#">88301844</a> | 6 AWG     | 259 x 30  | 0.320           | 115  | Black        | 133           |
| WELDING-4       | <a href="#">88301845</a> | 4 AWG     | 413 x 30  | 0.370           | 150  | Black        | 198           |
| WELDING-4-RED   | <a href="#">22086311</a> | 4 AWG     | 413 x 30  | 0.370           | 150  | Red          | 198           |
| WELDING-2       | <a href="#">88301846</a> | 2 AWG     | 651 x 30  | 0.430           | 205  | Black        | 302           |
| WELDING-2-RED   | <a href="#">99967286</a> | 2 AWG     | 651 x 30  | 0.430           | 205  | Red          | 302           |
| WELDING-1       | <a href="#">88301847</a> | 1 AWG     | 826 x 30  | 0.505           | 240  | Black        | 325           |
| WELDING-1/0     | <a href="#">88301848</a> | 1/0 AWG   | 1050 x 30 | 0.570           | 285  | Black        | 474           |
| WELDING-1/0-RED | <a href="#">22086318</a> | 1/0 AWG   | 1050 x 30 | 0.570           | 285  | Red          | 474           |
| WELDING-2/0     | <a href="#">88301849</a> | 2/0 AWG   | 1308 x 30 | 0.605           | 325  | Black        | 552           |
| WELDING-2/0-RED | <a href="#">99419047</a> | 2/0 AWG   | 1308 x 30 | 0.605           | 325  | Red          | 552           |
| WELDING-3/0     | <a href="#">88301850</a> | 3/0 AWG   | 1656 x 30 | 0.670           | 380  | Black        | 709           |
| WELDING-3/0-RED | <a href="#">98304515</a> | 3/0 AWG   | 2656 x 30 | 0.670           | 380  | Red          | 709           |
| WELDING-4/0     | <a href="#">88301831</a> | 4/0 AWG   | 2088 x 30 | 0.720           | 440  | Black        | 935           |
| WELDING-4/0-RED | <a href="#">97144698</a> | 4/0 AWG   | 2088 x 30 | 0.720           | 440  | Red          | 935           |
| WELDING-250     | <a href="#">96096191</a> | 250 MCM   | 2615 x 30 | 0.860           | 495  | Black        | 1054          |
| WELDING 350MCM  | <a href="#">92125167</a> | 350 MCM   | 3478 x 30 | 0.970           | 680  | Black        | 1418          |

### Thermostat Cable

#### Wire

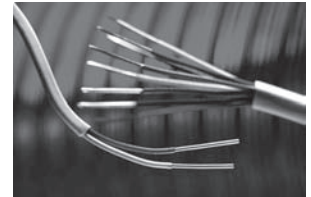
Designed for indoor use in heating and air conditioning controls (HVAC), and bell and alarm systems.

#### Benefits

- OSHA Acceptable
- UL Listed
- Other Colors Available

#### Features

- Solid Bare Copper Conductors Per UL-13
- PVC Insulation Per UL-13
- Sunlight Resistant PVC Jacket Per UL-13
- "PJ" Refers to Plastic Jacket
- NEC Listings: CL2-Power Limited Per Article 725 (CL2 only for 20 AWG)
- MP-MultiPurpose Cable Per Art. 725,760, 800
- CM-Communication Cables Per Art. 800
- FPL-Power Limited Fire Protective Signaling Per Art. 760
- Std. Jacket Color: Brown



| Mfg. No.        | Advanced Supply ID       | Wire Size | No. of Cond. | Nom. O.D. (in.) |
|-----------------|--------------------------|-----------|--------------|-----------------|
| THERMO-PJ-20/2  | <a href="#">90078375</a> | 20 AWG    | 2            | 0.068 x 0.118   |
| THERMO-PJ-20/3  | <a href="#">90078376</a> | 20 AWG    | 3            | 0.125           |
| THERMO-PJ-20/4  | <a href="#">90076642</a> | 20 AWG    | 4            | 0.136           |
| THERMO-PJ-20/5  | <a href="#">90076643</a> | 20 AWG    | 5            | 0.150           |
| THERMO-PJ-20/6  | <a href="#">90076644</a> | 20 AWG    | 6            | 0.164           |
| THERMO-PJ-20/7  | <a href="#">90078378</a> | 20 AWG    | 7            | 0.164           |
| THERMO-PJ-20/8  | <a href="#">90076645</a> | 20 AWG    | 8            | 0.178           |
| THERMO-PJ-20/10 | <a href="#">90076646</a> | 20 AWG    | 10           | 0.200           |
| THERMO-PJ-18/2  | <a href="#">88301606</a> | 18 AWG    | 2            | 0.085 x 0.140   |
| THERMO-PJ-18/3  | <a href="#">88301609</a> | 18 AWG    | 3            | 0.145           |
| THERMO-PJ-18/4  | <a href="#">88301612</a> | 18 AWG    | 4            | 0.160           |
| THERMO-PJ-18/5  | <a href="#">88301595</a> | 18 AWG    | 5            | 0.175           |
| THERMO-PJ-18/6  | <a href="#">95016906</a> | 18 AWG    | 6            | 0.190           |
| THERMO-PJ-18/7  | <a href="#">88301601</a> | 18 AWG    | 7            | 0.190           |
| THERMO-PJ-18/8  | <a href="#">88301584</a> | 18 AWG    | 8            | 0.210           |
| THERMO-PJ 18/10 | <a href="#">88301591</a> | 18 AWG    | 10           | 0.235           |

### 18 AWG Plenum Rated Thermostat Cable

#### Coleman Cable Systems

Plenum Rated, NEC 725 & 800, 300V, Beige Jacket, UL CMP/MMP/CL2P.



| Mfg. No.    | Advanced Supply ID       | Wire Size | No. of Cond. | Nom. O.D. (in.) |
|-------------|--------------------------|-----------|--------------|-----------------|
| 55502-05-23 | <a href="#">97201604</a> | 18 AWG    | 2            | .200            |
| 55503-05-23 | <a href="#">99426442</a> | 18 AWG    | 3            | .145            |
| 55504-04-23 | <a href="#">97135018</a> | 18 AWG    | 4            | .160            |
| 55505-04-23 | <a href="#">97201605</a> | 18 AWG    | 5            | .175            |
| 55506-04-23 | <a href="#">97201606</a> | 18 AWG    | 6            | .190            |
| 55508-04-23 | <a href="#">97201607</a> | 18 AWG    | 8            | .210            |

### SIS XLP Switchboard Wire

#### Wire

Type SIS is for instrument and control wiring of Switchboards, Panelboards, and Distribution panels installed for the control of light and power circuits. In accordance with NEC article 384, in circuits not exceeding 600 volts.



#### Features

- Stranded Tinned Copper Single Conductor
- Insulation: Cross-Linked Polyethylene (UL class XL)
- Temperature Rating: 90°C (dry)
- VW-1 Rated
- Dual Rated: Type SIS/XHHW-2
- Voltage Rating: 600V

| Mfg. No.              | Advanced ID     | Wire Size | Stranding | Nom. Insulation Thickness (mils) | Nom. O.D. (in.) | Weight per 1000 Foot (lb) |
|-----------------------|-----------------|-----------|-----------|----------------------------------|-----------------|---------------------------|
| SIS-14-STR-GRY-500S   | <b>88321348</b> | 14        | 41        | 30                               | 0.141           | 20                        |
| SIS-14-STR-GRY-2500R  | <b>94035134</b> | 14        | 41        | 30                               | 0.141           | 20                        |
| SIS-14-41STR-GRY-3000 | <b>99701158</b> | 14        | 41        | 30                               | 0.141           | 20                        |
| SIS-14-STR-BLK-500S   | <b>92037942</b> | 14        | 41        | 30                               | 0.141           | 20                        |
| SIS-12-STR-GRY-500S   | <b>88321347</b> | 12        | 65        | 30                               | 0.156           | 30                        |
| SIS-12-STR-BLK-500S   | <b>92037940</b> | 12        | 65        | 30                               | 0.156           | 30                        |
| SIS-10-STR-GRY-500S   | <b>96020468</b> | 10        | 105       | 30                               | 0.181           | 42                        |
| SIS-8-133STR-GRY-1000 | <b>99701168</b> | 8         | 133       | 45                               | 0.262           | 75                        |
| SIS-6-133STR-GRY-500  | <b>99701169</b> | 6         | 133       | 60                               | 0.339           | 144                       |
| SIS-4-133STR-GRY-500  | <b>99701170</b> | 4         | 133       | 60                               | 0.391           | 200                       |
| SIS-2-133STR-GRY-500  | <b>99701171</b> | 2         | 133       | 60                               | 0.466           | 292                       |

Suffix indicates package:

S = Spool

R = Reel

Blank = Spool / Reel

## COAXIAL CABLE

Belden CDT, Inc.

Coaxial cable types include: Broadband, Standard Analog, Precision Video for analog and digital, Bundled RGB, High-Flex SVHS, Video triax, Comformable coax. Coax cable is composed of a conductor centered inside a metallic tube or shield, separated by a dielectric material, covered by an insulating jacket. Used for cable TV, telephone companies in some applications, and by cellular telephone, radio and TV installations.



| Mfg. No.          | Advanced ID     | Advanced P/N               | NEC Rating | Dielectric Type / Nom. O.D. (in.) | Shields Type & Coverage           | Jacket Thickness (in.) | Nominal O.D. (in.) | Capacitance (pF / Ft Nom) |
|-------------------|-----------------|----------------------------|------------|-----------------------------------|-----------------------------------|------------------------|--------------------|---------------------------|
| <b>RG 6</b>       |                 |                            |            |                                   |                                   |                        |                    |                           |
| <b>Non-Plenum</b> |                 |                            |            |                                   |                                   |                        |                    |                           |
| 1841A 0101000     | <b>99559622</b> | RG6D-NP-60-FA-FN-R-BED     | CATV CM    | 0.180                             | Duobond II + 60% Al Brd.          | 0.0305                 | 0.273 x 0.595      | 16.2                      |
| 9116 010U1000     | <b>99559608</b> | RG6-NP-60-FA-FN-P-BED      | CATV CM    | 0.180                             | Duobond II + 60% Al Brd.          | 0.029                  | 0.27               | 16.2                      |
| 9248 0101000      | <b>22037804</b> | RG6U-NP-61-FT-B-FN-R-BED   | CM         | 0.180                             | Duofoil + 60% TC Brd.             | 0.030                  | 0.27               | 16.2                      |
| 9058 0101000      | <b>99867759</b> | RG6-NP-80-FA-FN-R-BED      | CATV CM    | 0.180                             | Duobond Plus + 80% Al Brd.        | 0.029                  | 0.275              | 16.2                      |
| 1530A 0101000     | <b>99559611</b> | RG6-NP-90-FA-FN-R-BED      | CATV CM    | 0.180                             | Duobond II + 90% Al Brd.          | 0.029                  | 0.27               | 16.2                      |
| 1189A 010U1000    | <b>99845228</b> | RG6-NP-AQ-FN-P-BED         | CATV CM    | 0.180                             | Duobond IV Quad Shield            | 0.027                  | 0.298              | 16.2                      |
| 9290 0101000      | <b>99867816</b> | RG6U-NP-98-B2-FN-R-BED     | CM         | 0.180                             | (2) BC Brds. - 98%                | 0.032                  | 0.288              | 16.2                      |
| 7916A 0101000     | <b>22038242</b> | RG6-NP-AQ-B-FN-R-BED       | CATV CM    | 0.180                             | Duobond IV Quad Shield            | 0.027                  | 0.298              | 16.2                      |
| <b>Plenum</b>     |                 |                            |            |                                   |                                   |                        |                    |                           |
| 9116P 877U1000    | <b>99687532</b> | RG6-P-60-FA-TC-P-BED       | CATVP CMP  | 0.170                             | Duobond II + 60% Al Brd.          | 0.017                  | 0.235              | 16.3                      |
| 1695A 0101000     | <b>99867163</b> | RG6U-P-95-FT-BK-B-TC-RBED  | CMP        | 0.170                             | Duofoil + 95% TC Brd.             | 0.017                  | 0.234              | 16.2                      |
| 1189AP 8771000    | <b>99664323</b> | RG6-P-AQ-TC-R-BED          | CATVP CMP  | 0.170                             | Duobond IV Quad Shield            | 0.016                  | 0.248              | 16.3                      |
| 1152A A8R1000     | <b>99559609</b> | RG6-P-TQ-BE-TT-R-BED       | CMP        | 0.170                             | (2) Duofoil Shlds. + (2) TC Brds. | 0.020                  | 0.273              | 16.5                      |
| <b>Other</b>      |                 |                            |            |                                   |                                   |                        |                    |                           |
| 1545A 0101000     | <b>99702995</b> | RG6-O-60-FA-FN-R-BED       | CATV CM    | 0.180                             | Duobond II + 60% Al Brd.          | 0.029                  | 0.27               | 16.2                      |
| 9066 0101000      | <b>99867760</b> | RG6-O-60-FA-FP-R-BED       | Burial     | 0.180                             | Duobond II + 60% Al Brd.          | 0.029                  | 0.27               | 16.2                      |
| 5339W5 0101000    | <b>99702997</b> | RG6U-O-60-FA-B-FN-R-BED    | CM         | 0.180                             | Duofoil + 60% Al Brd.             | 0.030                  | 0.27               | -                         |
| 1694A 0101000     | <b>97099350</b> | RG6U-R-95-FT-B-FR-R-BED    | CMR        | 0.180                             | Duofoil + 95% TC Brd.             | 0.0335                 | 0.275              | 16.2                      |
| 3092A 0101000     | <b>99575774</b> | RG6U-R-AQ-FR-R-BED         | CMR CL2R   | 0.180                             | Duobond IV Quad Shield            | 0.0235                 | 0.298              | 16.2                      |
| 3131A F2V1000     | <b>99912466</b> | RG6U-R-AQ-GY-FR-R-BED      | CMR CL2R   | 0.180                             | Duobond IV Quad Shield            | 0.0255                 | 0.298              | 16.2                      |
| <b>RG 8</b>       |                 |                            |            |                                   |                                   |                        |                    |                           |
| <b>Non-Plenum</b> |                 |                            |            |                                   |                                   |                        |                    |                           |
| 9258 0101000      | <b>99867803</b> | RG8-NP-95-BC-16-S-FN-R-BED | CM         | 0.155                             | BC Brd.- 95%                      | 0.031                  | 0.242              | 24.8                      |
| 9914 0101000      | <b>99821869</b> | RG8U-NP-95FT-10-B-FN-RBED  | CMG        | 0.285                             | Duobond II + 95% TC Brd.          | 0.041                  | 0.403              | 24.8                      |
| <b>Plenum</b>     |                 |                            |            |                                   |                                   |                        |                    |                           |
| <b>RG 8</b>       |                 |                            |            |                                   |                                   |                        |                    |                           |
| <b>Plenum</b>     |                 |                            |            |                                   |                                   |                        |                    |                           |
| 89913 0101000     | <b>99867758</b> | RG8U-P-90FT-10BK-BAK-RBED  | CMP        | FEP / .295                        | Duobond II + 90% TC Brd.          | 0.015                  | 0.364              | 25.0                      |
| <b>Other</b>      |                 |                            |            |                                   |                                   |                        |                    |                           |
| 8237 0101000      | <b>99867177</b> | RG8U-X-97-BC-S-PN-R-BED    | CMH        | 0.285                             | BC Brd.- 95%                      | 0.045                  | 0.405              | 28.2                      |
| 9251 0101000      | <b>99867802</b> | RG8-X-97-BC-S-PN-R-BED     | CMX        | 0.285                             | BC Brd.- 95%                      | 0.0415                 | 0.405              | 28.2                      |
| <b>RG 11</b>      |                 |                            |            |                                   |                                   |                        |                    |                           |
| <b>Non-Plenum</b> |                 |                            |            |                                   |                                   |                        |                    |                           |
| 1523A 0101000     | <b>99687529</b> | RG11-NP-60-FA-FN-R-BED     | CATV CM    | 0.280                             | Duobond II + 60% Al Brd.          | 0.0425                 | 0.4                | 16.2                      |
| 8238 0101000      | <b>99867179</b> | RG11U-NP-97BC-18ST-FN RBED | CM         | FR PE / 0.280                     | BC Brd.- 97%                      | 0.0415                 | 0.405              | 20.5                      |
| 1617A 0101000     | <b>99713933</b> | RG11-NP-AQ-FN-R-BED        | CATV CM    | 0.280                             | Duobond IV Quad Shield            | 0.030                  | 0.407              | 16.2                      |
| <b>Plenum</b>     |                 |                            |            |                                   |                                   |                        |                    |                           |
| 1153A A8R1000     | <b>99867158</b> | RG11-P-TQ-BE-TT-R-BED      | CMP CL2P   | FOAM FEP / 0.280                  | (2) Duofoil Shlds. + (2) TC Brds. | 0.0535                 | 0.387              | 16.2                      |
| <b>Other</b>      |                 |                            |            |                                   |                                   |                        |                    |                           |
| 1525A 0101000     | <b>99867160</b> | RG11-O-60-FA-FP-R-BED      | Burial     | 0.280                             | Duobond II + 60% Al Brd.          | 0.0425                 | 0.4                | 16.2                      |
| 9292 0101000      | <b>99577492</b> | RG11U-OU-61-FT-B-FN-R-BED  | None       | 0.280                             | Duofoil + 60% TC Brd.             | 0.0465                 | 0.405              | 16.1                      |
| 8213 0101000      | <b>99867170</b> | RG11U-OU-97-BC-B-FP-R-BED  | None       | 0.285                             | BC Brd.- 97%                      | 0.043                  | 0.405              | 16.1                      |
| 3094A F2V1000     | <b>99692325</b> | RG11U-R-AQ-GY-FR-R-BED     | CMR CL2R   | 0.280                             | Duobond IV Quad Shield            | 0.0295                 | 0.407              | 16.2                      |

Continued ►

## COAXIAL CABLE

Belden CDT, Inc.

| Mfg. No.          | Advanced ID     | Advanced P/N               | NEC Rating | Dielectric Type / Nom. O.D. (in.) | Shields Type & Coverage         | Jacket Thickness (in.) | Nominal O.D. (in.) | Capacitance (pF / Ft Nom) |
|-------------------|-----------------|----------------------------|------------|-----------------------------------|---------------------------------|------------------------|--------------------|---------------------------|
| <b>RG 58</b>      |                 |                            |            |                                   |                                 |                        |                    |                           |
| <b>Non-Plenum</b> |                 |                            |            |                                   |                                 |                        |                    |                           |
| 9311 0101000      | <b>97099269</b> | RG58U-NP-55-FT-ST-FN-RBED  | CM         | 0.114                             | Duobond II + 55% TC Brd.        | 0.025                  | 0.193              | 26                        |
| 8219 0101000      | <b>94009155</b> | RG58U-NP-96-TC-S-FN-R-BED  | CM         | 0.114                             | TC - 96% Brd                    | 0.0275                 | 0.193              | 26.5                      |
| <b>Plenum</b>     |                 |                            |            |                                   |                                 |                        |                    |                           |
| 82240 8771000     | <b>99867175</b> | RG58U-P-95-TC-B-TC-R-BED   | CMP        | 0.107                             | TC - 95% Brd                    | 0.015                  | 0.159              | 27.4                      |
| <b>Other</b>      |                 |                            |            |                                   |                                 |                        |                    |                           |
| 9223 0101000      | <b>88030719</b> | RG58U-M-95-T-22-T-PN-RBED  | None       | 0.112                             | Duobond II + 95% TC Brd.        | 0.026                  | 0.195              | 37                        |
| 8259 0101000      | <b>92045866</b> | RG58U-OU-95TC-STPN-.1RBED  | None       | 0.116                             | TC - 95% Brd                    | 0.0275                 | 0.193              | 30.8                      |
| 8240 0101000      | <b>22039382</b> | RG58U-X-95-TC-B-PN-R-BED   | CMX        | 0.116                             | TC - 95% Brd                    | 0.027                  | 0.193              | 28.5                      |
| <b>RG 59</b>      |                 |                            |            |                                   |                                 |                        |                    |                           |
| <b>Non-Plenum</b> |                 |                            |            |                                   |                                 |                        |                    |                           |
| 9555 0101000      | <b>99867818</b> | RG59D-NP-95-BC-23-FN-RBED  | CM         | FR PE / 0.146                     | BC Brd. -95%                    | 0.032                  | 0.238 x 0.478      | 20.5                      |
| 9275 010U1000     | <b>99867812</b> | RG59-NP-40-FA-FN-P-BED     | CATV CM    | 0.144                             | Duobond + 40% Al Brd.           | 0.029                  | 0.237              | 16.2                      |
| 9100 0101000      | <b>99559604</b> | RG59-NP-40-FA-FN-R-BED     | CATV CM    | 0.144                             | Duobond II + 40% Al Brd.        | 0.0285                 | 0.237              | 16.2                      |
| <b>RG 59</b>      |                 |                            |            |                                   |                                 |                        |                    |                           |
| <b>Non-Plenum</b> |                 |                            |            |                                   |                                 |                        |                    |                           |
| 9104 0101000      | <b>99559613</b> | RG59-NP-67-FA-FN-R-BED     | CATV CM    | 0.144                             | Duobond II + 67% Al Brd.        | 0.0285                 | 0.237              | 16.2                      |
| 9274 0101000      | <b>99867808</b> | RG59U-NP-95-BC-FN-R-BED    | CM CL2     | 0.143                             | BC Brd.- 95%                    | 0.035                  | 0.237              | 16.3                      |
| 9259 0101000      | <b>99821817</b> | RG59U-NP-95BC-22S-FN-RBED  | CM         | 0.146                             | BC Brd.- 95%                    | 0.033                  | 0.240              | 17.3                      |
| 1186A 0101000     | <b>99559615</b> | RG59-NP-AQ-FN-R-BED        | CATV CM    | 0.144                             | Duobond IV + 67% & 46% Al Brds. | 0.026                  | 0.265              | 16.2                      |
| <b>Plenum</b>     |                 |                            |            |                                   |                                 |                        |                    |                           |
| 1506A 8771000     | -               | RG59U-P-95FT-B-TC-R-BED    | CMP        | 0.133                             | Duofoil + 95% TC Brd.           | 0.015                  | 0.196              | 16.1                      |
| 82108 8771000     | <b>99867166</b> | RG59-P-96-FT-TC-R-BED      | CATVP CMP  | 0.140                             | Duofoil + 96% TC Brd.           | 0.015                  | 0.202              | 16.5                      |
| 88241 0101000     | <b>99867208</b> | RG59U-P-97BC-23BK-TT-RBED  | CMP        | 0.132                             | BC Brd.- 97%                    | 0.015                  | 0.19               | 19.5                      |
| 88281 0101000     | <b>99867736</b> | RG59U-P-98T2-BK-B-TK-RBED  | CMP        | 0.185                             | TC Double Brd. - 98%            | 0.015                  | 0.271              | 19                        |
| <b>Other</b>      |                 |                            |            |                                   |                                 |                        |                    |                           |
| 9224 0101000      | <b>99867797</b> | RG59U-M-93-BC-22-PN-R-BED  | None       | 0.146                             | BC Brd.- 93%                    | 0.030                  | 0.242              | 22                        |
| 9204 0101000      | <b>99867794</b> | RG59-M-95-BC-23-PN-R-BED   | CMH        | 0.146                             | BC Brd.- 95%                    | 0.0325                 | 0.241              | 20.5                      |
| 5439W5 0101000    | <b>99702992</b> | RG59U-O-95-FA-B-FN-R-BED   | CM         | 0.145                             | Duobond II + 95% TC Brd.        | 0.032                  | 0.236              | 16.3                      |
| 9240 0101000      | <b>97099263</b> | RG59U-OU-80-BC-FN-R-BED    | None       | 0.143                             | BC Brd.- 80%                    | 0.038                  | 0.241              | 17.3                      |
| 8212 0101000      | <b>88030544</b> | RG59U-OU-95-BC-FP-R-BED    | None       | 0.143                             | BC Brd.- 95%                    | 0.034                  | 0.242              | 17.3                      |
| 8281 0101000      | <b>90062444</b> | RG59U-OU-98-T2-B-PN-R-BED  | None       | 0.198                             | TC Double Brd. - 98%            | 0.0255                 | 0.305              | 21                        |
| 9231 0081000      | <b>97099262</b> | RG59U-OU-98T2-GY-B-PN-RBED | CMH        | 0.198                             | TC Double Brd. - 98%            | 0.024                  | 0.305              | 21                        |
| 9244 0101000      | <b>90004775</b> | RG59U-X-85-BC-22-PN-R-BED  | CMX        | 0.146                             | BC Brd.- 85%                    | 0.036                  | 0.242              | 22                        |
| 8263 0101000      | <b>22039228</b> | RG59U-X-95-BC-23-PN-R-BED  | CMX        | 0.146                             | BC Brd.- 95%                    | 0.0325                 | 0.242              | 21                        |
| <b>RG 62</b>      |                 |                            |            |                                   |                                 |                        |                    |                           |
| <b>Non-Plenum</b> |                 |                            |            |                                   |                                 |                        |                    |                           |
| 9269 0101000      | <b>22039229</b> | RG62U-NP-95-BC-AN-R-BED    | CM CL2     | 0.146                             | Semi-Solid PE / 0.146           | 0.032                  | 0.239              | 13.5                      |
| <b>Plenum</b>     |                 |                            |            |                                   |                                 |                        |                    |                           |
| 82262 8771000     | <b>99867176</b> | RG62U-P-94-BC-22-TT-R-BED  | CMP        | 0.146                             | BC Brd.- 94%                    | 0.015                  | 0.204              | 12.5                      |
| <b>Other</b>      |                 |                            |            |                                   |                                 |                        |                    |                           |
| 8254 010U1000     | <b>99867186</b> | RG62U-M-95-BC-AN-P-BED     | None       | 0.146                             | Semi-Solid PE / 0.146           | 0.031                  | 0.238              | 13.5                      |
| 9228 0101000      | -               | RG62U-O-95-BC-AP-R-BED     | None       | 0.146                             | Semi-Solid PE / 0.146           | 0.033                  | 0.242              | 13.5                      |
| <b>RG 174</b>     |                 |                            |            |                                   |                                 |                        |                    |                           |
| 8216 0101000      | <b>99570273</b> | RG174U-NP-90-TC-S-PN-RBED  | None       | 0.060                             | TC Brd. 90%                     | 0.0165                 | 0.11               | 30.8                      |
| <b>THINNET</b>    |                 |                            |            |                                   |                                 |                        |                    |                           |
| 9907 E4X1000      | <b>89052644</b> | THIN-NP-93-FTGY-STFN-RBED  | CM         | 0.102                             | Duobond II + 93% TC Brd.        | 0.026                  | 0.185              | 25.4                      |
| 82907 8771000     | <b>99821883</b> | THIN-P-93-FT-ST-TC-R-BED   | CMP CL2P   | 0.095                             | Duobond II + 93% TC Brd.        | 0.017                  | 0.16               | 26                        |
| 89907 E4X1000     | <b>99545034</b> | THIN-P-94FT-GY-ST-TK-RBED  | CMP CL2P   | 0.095                             | Duobond II + 93% TC Brd.        | 0.017                  | 0.16               | 26                        |



## Coaxial Cable

CommScope

Broadband Video/Video Distribution, MATV Coax.



| Mfg. No.   | Advanced ID | Advanced P/N              | NEC Rating       | Dielectric Type / Nom. O.D. (in.) | Shields Type & Coverage                                    | Jacket Thickness (in.) | Nominal O.D. (in.) | Capacitance (pF / Ft Nom) |
|--|-------------|---------------------------|------------------|-----------------------------------|--|------------------------|--------------------|---------------------------|
| <b>RG-6 NON PLENUM - FR PVC - 18 AWG SOL CCS - Black - 75Ω</b>     |             |                           |                  |                                   |  |                        |                    |                           |
| 5726   | 94006619    | RG6-NP-60-FA-FN-P-CMS     | CMG              | 0.180                             | Al Foil & 60% Al Braid                                     | 0.03                   | 0.272              | 16.0                      |
| 5727   | 91011191    | RG6-NP-90-FA-FN-R-CMS     | CMG              | 0.180                             | Al Foil & 90% Al Braid                                     | 0.03                   | 0.272              | 16.0                      |
| 5740R  | 99691763    | RG6-R-AQ-FN-R-CMS         | CMR              | 0.180                             | Quadshield: Al Foil & 60% Al Braid, Al Foil & 40% Al Braid | 0.033                  | 0.3                | 16.2                      |
| <b>RG-6 NON PLENUM - FR PVC - 18 AWG SOL BC - Black - 75Ω</b>      |             |                           |                  |                                   |  |                        |                    |                           |
| 5715   | 88312292    | RG6-NP-60-FT-B-FN-R-CMS   | CM               | 0.180                             | Al Foil & 60% TC Braid                                     | 0.03                   | 0.272              | 16.2                      |
| 5781   | 99691767    | RG6-NP-AQ-B-FN-R-CMS      | CM               | 0.180                             | Quadshield: Al Foil & 60% Al Braid, Al Foil & 40% Al Braid | 0.033                  | 0.3                | 16.2                      |
| <b>RG-6 NON PLENUM - FR PVC - 20 AWG SOL CCS - Black - 75Ω</b>     |             |                           |                  |                                   |  |                        |                    |                           |
| 5540   | 90084816    | RG6-NP-AQ-FN-R-CMS        | CM               | 0.144                             | Quadshield: Al Foil & 60% Al Braid, Al Foil & 40% Al Braid | 0.035                  | 0.265              | 16.0                      |
| <b>RG-6 PLENUM - CommFlex - 18 AWG SOL CCS - White - 75Ω</b>       |             |                           |                  |                                   |  |                        |                    |                           |
| 2275V  | 95028408    | RG6-P-60-FA-TC-R-CMS      | CMP              | 0.170                             | Al Foil & 60% Al Braid                                     | 0.015                  | 0.237              | 16.0                      |
| 2227V  | 94023846    | RG6-P-AQ-TC-R-CMS         | CMP              | 0.170                             | Quadshield: Al Foil & 60% Al Braid, Al Foil & 40% Al Braid | 0.015                  | 0.264              | 16.0                      |
| <b>RG-6 OTHER - FR PVC - 18 AWG SOL CCS - Black - 75Ω</b>          |             |                           |                  |                                   |  |                        |                    |                           |
| 5728   | 99691761    | RG6-O-60-FA-FP-R-CMS      | Outdoor Flooded  | 0.180                             | Quadshield: Al Foil & 60% Al Braid, Al Foil & 40% Al Braid | 0.033                  | 0.3                | 16.2                      |
| <b>RG-11 NON PLENUM - FR PVC - 14 AWG SOL CCS - Black - 75Ω</b>    |             |                           |                  |                                   |  |                        |                    |                           |
| 5913   | 92070172    | RG11-NP-60-FA-FN-R-CMS    | CM               | 0.280                             | Al Foil & 60% Al Braid                                     | 0.045                  | 0.405              | 16.2                      |
| 5940   | 93169548    | RG11-NP-AQ-FN-R-CMS       | CM               | 0.280                             | Quadshield: Al Foil & 60% Al Braid, Al Foil & 40% Al Braid | 0.035                  | 0.405              | 16.2                      |
| <b>RG-11 PLENUM - PE w/floodant - 14 AWG SOL CCS - Black - 75Ω</b> |             |                           |                  |                                   |  |                        |                    |                           |
| 5914   | 97192913    | RG11-O-60-FA-FP-R-CMS     | Outdoor - Burial | 0.280                             | Al Foil & 60% Al Braid                                     | 0.045                  | 0.405              | 16.2                      |
| <b>RG-59 NON PLENUM - FR PVC - 20 AWG SOL CCS - Black - 75Ω</b>    |             |                           |                  |                                   |  |                        |                    |                           |
| 5571   | 89034715    | RG59-NP-40-FA-FN-R-CMS    | CM               | 0.144                             | Al Foil & 40% Al Braid                                     | 0.035                  | 0.242              | 16.2                      |
| 5572   | 99859492    | RG59-NP-67-FA-FN-R-CMS    | CM               | 0.144                             | Al Foil & 67% Al Braid                                     | 0.035                  | 0.242              | 16.2                      |
| <b>RG-59 NON PLENUM - FR PVC - 22 AWG SOL CCS - Black - 80Ω</b>    |             |                           |                  |                                   |  |                        |                    |                           |
| 5555   | 99691752    | RG59-NP-95-BC-22-FN-R-CMS | CM               | 0.144                             | 95% BC Braid   | 0.035                  | 0.242              | 16.2                      |

Non-plenum items have FOAM PE dielectric, and plenum items have FOAM FEP dielectric.

### THHN Control & Power Tray Cable

Power and control cable using THHN/THWN conductors. Overall PVC jacket is heat, moisture and sunlight resistant.

#### Benefits

- Used in Industrial Power or Control Circuits
- Primary Installations Include Cable Trays, Raceways & Outdoor Aerial Applications
- Rated for Direct Burial and for Use in Class 1, Div. 2 Hazardous Locations
- Conductors Rated 90°C for Dry Locations, 75°C for Wet Locations
- Voltage Rating: 600V

#### Features

- Meets or Exceeds the Following Specifications:
- UL 1277, 1581, and 1685
- ICEA S-58-679, T-30-250, and T-29-520
- IEEE 1202



| Mfg. No.        | Advanced ID     | Advanced P/N        | Wire Size | No. of Cond. | Jacket Thickness (mils) | Nominal O.D. (in.) | Weight per 100 Foot (lb) |
|-----------------|-----------------|---------------------|-----------|--------------|-------------------------|--------------------|--------------------------|
| 27337A 0105000  | <b>22004828</b> | VNTC-16-2-R5K-BED   | 16 AWG    | 2            | 45                      | 0.34               | 48                       |
| 27331A 01010000 | <b>22025892</b> | VNTC 16-3-R10K-BED  | 16 AWG    | 3            | 45                      | 0.36               | 68                       |
| 27080A 01010000 | <b>99840499</b> | VNTC-14-2F-R10K-BED | 14 AWG    | 2 (flat)     | 45                      | 0.21 x 0.32        | 64                       |
| 27081A 0101000  | <b>99840500</b> | VNTC-14-3-R10K-BED  | 14 AWG    | 3            | 45                      | 0.35               | 80                       |
| 27082A 0105000  | <b>22081237</b> | VNTC-14-4-R5K-BED   | 14 AWG    | 4            | 45                      | 0.38               | 99                       |
| 27083A 0105000  | <b>22081238</b> | VNTC-14-5-R5K-BED   | 14 AWG    | 5            | 45                      | 0.43               | 118                      |
| 27085A 01010000 | <b>99840503</b> | VNTC-14-7-R10K-BED  | 14 AWG    | 7            | 45                      | 0.45               | 153                      |
| 27090A 0105000  | <b>99840505</b> | VNTC-14-12-R5K-BED  | 14 AWG    | 12           | 60                      | 0.61               | 267                      |
| 27097A 0105000  | <b>99840506</b> | VNTC-14-19-R5K-BED  | 14 AWG    | 19           | 60                      | 0.71               | 396                      |
| 27629A 0105000  | <b>99840508</b> | VNTC-14-37-R5K-BED  | 14 AWG    | 37           | 80                      | 1.02               | 768                      |
| 27109A 01010000 | <b>22004826</b> | VNTC-12-2-R10K-BED  | 12 AWG    | 2            | 45                      | 0.25 x 0.42        | 82                       |
| 27110A 01010000 | <b>99840509</b> | VNTC-12-3-R10K-BED  | 12 AWG    | 3            | 45                      | 0.38               | 110                      |
| 27111A 0101000  | <b>22044675</b> | VNTC-12-4-R1K-BED   | 12 AWG    | 4            | 45                      | 0.41               | 138                      |
| 27112A 01010000 | <b>99840511</b> | VNTC-12-5-R10K-BED  | 12 AWG    | 5            | 45                      | 0.45               | 165                      |
| 27114A 0105000  | <b>22081244</b> | VNTC-12-7-R5K-BED   | 12 AWG    | 7            | 60                      | 0.55               | 216                      |
| 27116A 0105000  | <b>99840513</b> | VNTC-12-9-R5K-BED   | 12 AWG    | 9            | 60                      | 0.65               | 297                      |
| 27119A 0105000  | <b>99840514</b> | VNTC-12-12-R5K-BED  | 12 AWG    | 12           | 60                      | 0.67               | 378                      |
| 27643A 0105000  | <b>99840515</b> | VNTC-10-2-R5K-BED   | 10 AWG    | 2            | 45                      | 0.42               | 131                      |
| 27139A 0105000  | <b>22081241</b> | VNTC-10-3-R5K-BED   | 10 AWG    | 3            | 45                      | 0.45               | 169                      |
| 27140A 0105000  | <b>22081242</b> | VNTC-10-4-R5K-BED   | 10 AWG    | 4            | 60                      | 0.49               | 231                      |
| 27141A 0105000  | <b>22081243</b> | VNTC-10-5-R5K-BED   | 10 AWG    | 5            | 60                      | 0.57               | 276                      |
| 27150A 0101000  | <b>22044679</b> | VNTC-8-3W/G-R1K-BED | 8 AWG     | 3 w/Gnd.     | 30                      | 0.65               | 286                      |
| 27151A 0105000  | <b>99840520</b> | VNTC-8-4W/G-R5K-BED | 8 AWG     | 4 w/Gnd.     | 30                      | 0.71               | 359                      |
| 27153A 0101000  | <b>22044680</b> | VNTC-6-3W/G-R1K-BED | 6 AWG     | 3 w/Gnd.     | 30                      | 0.73               | 386                      |
| 27154A 0105000  | <b>99840522</b> | VNTC-6-4W/G-R5K-BED | 6 AWG     | 4 w/Gnd.     | 30                      | 0.79               | 505                      |
| -               | <b>92134987</b> | VNTC-4-3-W/G        | 4 AWG     | 3 w/Gnd.     | 80                      | 0.872              | 662                      |
| -               | <b>95001052</b> | VNTC-4-4W/G         | 4 AWG     | 4 w/Gnd.     | 80                      | 0.960              | 807                      |
| -               | <b>94044114</b> | VNTC-2-3-W/G        | 2 AWG     | 3 w/Gnd.     | 80                      | 1.002              | 965                      |
| -               | <b>95001061</b> | VNTC-2-4W/G         | 2 AWG     | 4 w/Gnd.     | 80                      | 1.102              | 1229                     |
| -               | <b>95011608</b> | VNTC 1-3W/G         | 1 AWG     | 3 w/Gnd.     | 80                      | 1.132              | 1187                     |
| -               | <b>92134988</b> | VNTC-1/0-3-W/G      | 1/0 AWG   | 3 w/Gnd.     | 80                      | 1.218              | 1423                     |
| -               | <b>92134989</b> | VNTC-2/0-3-W/G      | 2/0 AWG   | 3 w/Gnd.     | 80                      | 1.315              | 1718                     |
| -               | <b>95019003</b> | VNTC-3/0-3-W/G      | 3/0 AWG   | 3 w/Gnd.     | 80                      | 2.030              | 2131                     |
| -               | <b>94044115</b> | VNTC-4/0-3-W/G      | 4/0 AWG   | 3 w/Gnd.     | 80                      | 1.543              | 2592                     |
| -               | <b>94044117</b> | VNTC-250-3-W/G      | 250 MCM   | 3 w/Gnd.     | 110                     | 1.754              | 3123                     |
| -               | <b>94044120</b> | VNTC-500-3-W/G      | 500 MCM   | 3 w/Gnd.     | 110                     | 2.252              | 5792                     |

Manufacturer part numbers listed are for Belden.

Conductor sizes 16AWG to 10AWG conform to ICEA Color Code E-2.

Conductor sizes 8AWG to 500MCM conform to ICEA Color Method 4.

## IMSA Cable Type 19-1

Belden CDT, Inc.

600V Traffic Signal Cable for aerial & duct installation.

### Benefits

- Polyethylene Insulation on Conductors
- Black PVC Outer Jacket
- Cabled Conductors
- Other Conductor Counts/Lengths Available



| Mfg. No. | Advanced ID              | Advanced P/N              | Wire Size | Stranding | Jkt. Wall (in.) | Nom. O.D. (in.) |
|----------|--------------------------|---------------------------|-----------|-----------|-----------------|-----------------|
| 601455   | <a href="#">97218604</a> | IMSA 14-2/19-1-SOL-5K-BED | 14-2 AWG  | Solid     | .045            | .329            |
| 601457   | <a href="#">22045928</a> | IMSA 14-2/19-1-STR-5K-BED | 14-2 AWG  | Stranded  | .045            | .343            |
| 601176   | <a href="#">97218605</a> | IMSA 14-3/19-1-SOL-5K-BED | 14-3 AWG  | Solid     | .045            | .346            |
| 601203   | <a href="#">22045929</a> | IMSA 14-3/19-1-STR-5K-BED | 14-3 AWG  | Stranded  | .045            | .361            |
| 601177   | <a href="#">97218606</a> | IMSA 14-5/19-1-SOL-5K-BED | 14-5 AWG  | Solid     | .045            | .406            |
| 601204   | <a href="#">99805104</a> | IMSA14-5/19-1-STR-5K-BED  | 14-5 AWG  | Stranded  | .045            | .420            |
| 601179   | <a href="#">97218607</a> | IMSA 14-7/19-1-SOL-5K-BED | 14-7 AWG  | Solid     | .045            | .440            |
| 601205   | <a href="#">99805105</a> | IMSA14-7/19-1-STR-5K-BED  | 14-7 AWG  | Stranded  | .045            | .464            |
| 601182   | <a href="#">22071420</a> | IMSA14-12/19-1-SOL-5K-BED | 14-12 AWG | Solid     | .060            | .603            |
| 601207   | <a href="#">22049812</a> | IMSA14-12/19-1-STR-1K-BED | 14-12 AWG | Stranded  | .060            | .636            |
| 601207   | <a href="#">22121718</a> | IMSA14-12/19-1-STR-5K-BED | 14-12 AWG | Stranded  | .060            | .636            |
| 601415   | <a href="#">22071419</a> | IMSA14-16/19-1-SOL-5K-BED | 14-16 AWG | Solid     | .060            | .667            |
| 601480   | <a href="#">22048348</a> | IMSA14-19/19-1-STR-5K-BED | 14-19 AWG | Stranded  | .060            | .741            |
| 601448   | <a href="#">93176738</a> | IMSA 12-2/19-1-STR-5K-BED | 12-2 AWG  | Stranded  | .045            | .397            |
| 601431   | <a href="#">94001975</a> | IMSA 12-3/19-1-STR-5K-BED | 12-3 AWG  | Stranded  | .045            | .420            |
| 601410   | <a href="#">22072948</a> | IMSA 12-5/19-1-STR-5KBED  | 12-5 AWG  | Stranded  | .045            | .503            |
| 601213   | <a href="#">93150063</a> | IMSA 12-7/19-1-STR-5K-BED | 12-7 AWG  | Stranded  | .060            | .579            |

## IMSA Cable Type 20-1

Belden CDT, Inc.

600V Traffic Signal Cable for aerial & duct installation.

### Benefits

- Polyethylene Insulation on Conductors
- Black PE Outer Jacket
- Cabled Conductors
- Other Conductor Counts/Lengths Available



| Mfg. No. | Advanced ID              | Advanced P/N              | Wire Size | Stranding | Jkt. Wall (in.) | Nom. O.D. (in.) |
|----------|--------------------------|---------------------------|-----------|-----------|-----------------|-----------------|
| 582024   | <a href="#">95031080</a> | IMSA-16-2/20-1-SOL-5K-BED | 16-2 AWG  | Solid     | .045            | .299            |
| 601141   | <a href="#">95031079</a> | IMSA 14-3/20-1-SOL-5K-BED | 14-3 AWG  | Solid     | .045            | .346            |
| 601195   | <a href="#">99713862</a> | IMSA14-3/20-1STR-2500R    | 14-3 AWG  | Stranded  | .045            | .361            |
| 601195   | <a href="#">95043950</a> | IMSA-14-3/20-1-STR-5K-BED | 14-3 AWG  | Stranded  | .045            | .361            |
| 601143   | <a href="#">93175136</a> | IMSA-14-5/20-1-SOL-5K-BED | 14-5 AWG  | Solid     | .045            | .406            |
| 601197   | <a href="#">99713864</a> | IMSA14-5/20-1/STR-2500R   | 14-5 AWG  | Stranded  | .045            | .430            |
| 601197   | <a href="#">99805112</a> | IMSA14-5/20-1-STR-5K-BED  | 14-5 AWG  | Stranded  | .045            | .430            |
| 601145   | <a href="#">93175140</a> | IMSA 14-7/20-1-SOL-5K-BED | 14-7 AWG  | Solid     | .045            | .440            |
| 601198   | <a href="#">99713866</a> | IMSA14-7/20-1/STR-2500R   | 14-7 AWG  | Stranded  | .045            | .464            |
| 601198   | <a href="#">99805114</a> | IMSA14-7/20-1-STR-5K-BED  | 14-7 AWG  | Stranded  | .045            | .464            |
| 601150   | <a href="#">93175139</a> | IMSA14-12/20-1-SOL2.6KBED | 14-12 AWG | Solid     | .060            | .603            |
| 601429   | <a href="#">22054072</a> | IMSA-14-9/20-1-STR-5K-BED | 14-9 AWG  | Stranded  | .060            | .571            |
| 601200   | <a href="#">99713859</a> | IMSA14-12/20-1/STR2500R   | 14-12 AWG | Stranded  | .060            | .636            |
| 601200   | <a href="#">93148017</a> | IMSA14-12/20-1-STR-1K-BED | 14-12 AWG | Stranded  | .060            | .636            |
| 601154   | <a href="#">93175137</a> | IMSA14-16/20-1-SOL2.6KBED | 14-16 AWG | Solid     | .060            | .667            |

### IMSA Cable - Other

Belden CDT, Inc.

International Municipal Signal Assn. Signal Control Cable

#### Features

- Spec. 29-3: HDPE Insulation, PVC Outer Jacket
- Spec. 50-2: PE Insulation, PE Outer Jacket
- Spec. 51-3: Cross Linked PE Insulation
- Spec. 51-5: PVC/Nylon Insulation in PVC or PE Tube
- Spec. 51-7: Cross Linked PE Insulation in PVC or PE Tube

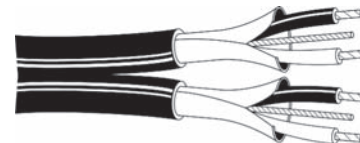


| Mfg. No.         | Advanced ID     | Advanced P/N              | Wire Size | Stranding | Jkt. Wall (in.)  | Nom. O.D. (in.) |
|------------------|-----------------|---------------------------|-----------|-----------|------------------|-----------------|
| <b>Type 29-3</b> |                 |                           |           |           |                  |                 |
| 601406           | <b>99805117</b> | IMSA12-2/29-3-SOL-5K-BED  | 12 AWG    | Solid     | 0.045            | 0.235 x 0.377   |
| <b>Type 50-2</b> |                 |                           |           |           |                  |                 |
| 603980           | <b>22048349</b> | IMSA 18-2/50-2-STR-5K-BED | 18 AWG    | Stranded  | 0.032            | 0.285           |
| 603133           | <b>99713863</b> | IMSA16-1P/50-2-2500R      | 16 AWG    | Stranded  | 0.032            | 0.309           |
| 601765           | <b>92039590</b> | IMSA 14-2 50-2-STR-5K-BED | 14 AWG    | Stranded  | 0.032            | 0.333           |
| 603378           | <b>99805092</b> | IMSA12-2/50-2-STR-5K-BED  | 12 AWG    | Stranded  | 0.032            | 0.377           |
| <b>Type 51-3</b> |                 |                           |           |           |                  |                 |
| 582100           | <b>91009369</b> | IMSA 14-1/51-3-STR-5K-BED | 14 AWG    | Stranded  | 0.030            | 0.136           |
| <b>Type 51-5</b> |                 |                           |           |           |                  |                 |
| 580206           | <b>99713860</b> | IMSA 14-1/51-5-2500R-BED  | 14 AWG    | Stranded  | 0.030 (PVC Tube) | 0.250           |
| 580263           | <b>91009366</b> | IMSA 14-1/51-5-STR-5K-BED | 14 AWG    | Stranded  | 0.030 (PE Tube)  | 0.250           |
| <b>Type 51-7</b> |                 |                           |           |           |                  |                 |
| 581923           | <b>22071161</b> | IMSA14-1/51-7STR-2.5K-BED | 14 AWG    | Stranded  | 0.030            | 0.250           |
| 581923           | <b>99805101</b> | IMSA14-1/51-7-STR-5K-BED  | 14 AWG    | Stranded  | 0.030            | 0.250           |

## Non-Plenum

Belden CDT, Inc.

Applications include audio, computers, communications, control, and data transmission. Each cable is designed to protect signal integrity under critical conditions by reducing hum, noise, and crosstalk.



| Mfg. No.   | Advanced ID     | Advanced P/N          | No. Pairs |           | NEC Rating | Insulation | Jacket | Nom. Insulation      |                      | Jacket Thickness (in. / mm) | Nom. O.D. (in. / mm) | Capacitance (pF / ft.) |
|--|-----------------|-----------------------|-----------|-----------|------------|------------|--------|----------------------|----------------------|-----------------------------|----------------------|------------------------|
|  |                 |                       | /Cond.    | Stranding |            |            |        | Thickness (in. / mm) | Thickness (in. / mm) |                             |                      |                        |
| <b>Unshielded - 22 AWG</b>                               |                 |                       |           |           |            |            |        |                      |                      |                             |                      |                        |
| 8444 0601000   | <b>88030584</b> | 4C22-CMG-CH-R-BED     | 4C        | 7 x 30    | CMG        | PVC        | Chrome | .010 / .25           | .032 / .81           | .185 / 4.70                 | -                    |                        |
| 8442 0601000   | <b>88030579</b> | 2C22-CMG-CH-R-BED     | 2C        | 7 x 30    | CMG        | PVC        | Chrome | .015 / .38           | .025 / .64           | .170 / 4.32                 | -                    |                        |
| 8443 0601000   | <b>88030582</b> | 3C22-CMG-CH-R-BED     | 3C        | 7 x 30    | CMG        | PVC        | Chrome | .010 / .25           | .032 / .81           | .172 / 4.37                 | -                    |                        |
| <b>Unshielded - 18 AWG</b>                               |                 |                       |           |           |            |            |        |                      |                      |                             |                      |                        |
| 9740 0601000   | <b>88030767</b> | 1P18-CMG-CH-R-BED     | 1P        | 16 x 30   | CMG        | PVC        | Chrome | .014 / .36           | .032 / .81           | .210 / 5.33                 | -                    |                        |
| 8461 0601000   | <b>99567844</b> | 1P18-CMG-CH-R-BED     | 2C        | 7 x 26    | CMG        | PVC        | Chrome | .022 / .56           | .028 / .71           | .234 / 5.94                 | -                    |                        |
| <b>Unshielded - 16 AWG</b>                               |                 |                       |           |           |            |            |        |                      |                      |                             |                      |                        |
| 8471 0601000   | <b>88030610</b> | 1P16-CMG-CH-R-BED     | 2C        | 19 x 29   | CMG        | PVC        | Chrome | .023 / .58           | .032 / .81           | .274 / 6.96                 | -                    |                        |
| <b>O/A 100% BELDFOIL - 24 AWG</b>                        |                 |                       |           |           |            |            |        |                      |                      |                             |                      |                        |
| 9501 0601000   | <b>99456983</b> | 1P24FS-CMG-CH-R-BED   | 1P        | 7 x 32    | CMG        | SR PVC     | Chrome | .010 /               | .032 /               | .156 / 3.96 40              | 40                   |                        |
| 1800B 007U1000   | <b>99892192</b> | 2C30-SVHS-VT-R-BED    | 2C        | 7 x 32    | CMG        | DATALENE   | Slate  | .022 /               | .019 /               | .177 / 4.57 13              | 13                   |                        |
| 9501 0601000   | <b>99917077</b> | 1P24FS-CMG-CH-B-BED   | 1P        | 7 x 32    | CMG        | SR PVC     | Chrome | .010 / .250          | .032 /               | .156 / 3.96 40              | 40                   |                        |
| 9534 0601000   | <b>92039020</b> | 4C24FS-CMG-CH-R-BED   | 4C        | 7 x 32    | CMG        | SR PVC     | Chrome | .010 / .25           | .032 / .81           | .184 / 4.67                 | 33                   |                        |
| <b>O/A 100% BELDFOIL - 22 AWG</b>                        |                 |                       |           |           |            |            |        |                      |                      |                             |                      |                        |
| 8761 0601000   | <b>88030681</b> | 1P22FS-CM-CH-R-BED    | 1P        | Solid     | CM         | PE         | Chrome | .016 / .41           | .033 / .84           | .199 / 5.05 23              | 24                   |                        |
| 8451 010U1000  | <b>99567842</b> | 1P22FS-CM-BK-B-BED    | 1P        | Solid     | CMR        | PP         | Black  | .008 / .20           | .020 / .51           | .138 / 3.51 34              | 24                   |                        |
| 9451 010U1000  | <b>99567841</b> | 1P22FS-CM-BK-B-BED-X  | 1P        | 7 x 30    | CMR        | PP         | Black  | .008 / .20           | .020 / .51           | .135 / 3.43                 | 34                   |                        |
| 8771 0601000   | <b>88030689</b> | 3C22FS-CM-CH-R-BED    | 3C        | 7 x 30    | CM         | PE         | Chrome | .016 / .41           | .033 / .84           | .199 / 5.05                 | 23                   |                        |
| 1503A 004U1000   | <b>99881776</b> | 1P22FS-CM-YW-B-BED    | 1P        | 7 x 30    | CM         | PVC        | Yellow | .010 / .25           | .020 / .51           | .142 / 3.61                 | 53                   |                        |
| 1504A 053U1000   | <b>99881806</b> | 2P22FS-CM-BK/RD-R-BED | 2P        | 19 x 34   | CM         | PVC        | Zip    | .010 / .25           | .020 / .51           | .143 / 3.63                 | 57                   |                        |
| <b>O/A 100% BELDFOIL - 20 AWG</b>                        |                 |                       |           |           |            |            |        |                      |                      |                             |                      |                        |
| 8762 0601000   | <b>88030684</b> | 1P20FS-CM-CH-R-BED    | 1P        | 7 x 28    | CM         | PE         | Chrome | .016 / .41           | .028 / .71           | .204 / 5.18                 | 27                   |                        |
| 8772 060U1000  | <b>88030693</b> | 3C20FS-CM-CH-B-BED    | 3C        | 7 x 28    | CM         | PE         | Chrome | .016 / .41           | .033 / .84           | .218 / 5.54                 | 27                   |                        |
| <b>O/A 100% BELDFOIL - 18 AWG</b>                        |                 |                       |           |           |            |            |        |                      |                      |                             |                      |                        |
| 8760 0601000   | <b>88030678</b> | 2C18FS-CM-CH-R-BED    | 1P        | 16 x 30   | CM         | PE         | Chrome | .019 / .48           | .028 / .71           | .222 / 5.64                 | 24                   |                        |
| 8770 0601000   | <b>88030686</b> | 3C18FS-CM-CH-R-1K-BED | 3C        | 16 x 30   | CM         | PE         | Chrome | .018 / .46           | .033 / .84           | .246 / 6.25                 | 24                   |                        |
| 9418 0601000   | <b>98303565</b> | 4C18FS-CMG-CH-R-BED   | 4C        | 19 x 30   | CMG        | SR PVC     | Chrome | .010 / .25           | .035 / .89           | .245 / 6.22                 | 70                   |                        |
| <b>O/A 100% BELDFOIL - 16 AWG</b>                        |                 |                       |           |           |            |            |        |                      |                      |                             |                      |                        |
| 8719 0601000   | <b>88030647</b> | 1P16FS-CM-CH-R-BED    | 1P        | 19 x 29   | CM,CL2     | PE         | Chrome | .032 / .81           | .032 / .81           | .313 / 7.95                 | 23                   |                        |
| <b>Individually Shielded Pairs - 24 AWG</b>              |                 |                       |           |           |            |            |        |                      |                      |                             |                      |                        |
| 9729 0601000   | <b>95032073</b> | 2P24IS-CM-CH-R-BED    | 2P        | 7 x 32    | CMG        | DATALENE   | Chrome | .0185 /              | .048 /               | .266 / 12.5                 | 12.5                 |                        |
| <b>Individually Shielded Pairs / O/A Shield - 22 AWG</b> |                 |                       |           |           |            |            |        |                      |                      |                             |                      |                        |
| 8723 0601000   | <b>88030652</b> | 2P22IS-CM-CH-R-BED    | 2P        | 7 x 30    | CM         | PE         | Chrome | .008 /               | .020 / .51           | .160 / 35                   | 35                   |                        |
| 8777 0601000   | <b>88030698</b> | 3P22IS-CM-CH-R-BED    | 3P        | 7 x 30    | CM         | PP         | Chrome | .008 /               | .034 /               | .273 / 6.93 30              | 30                   |                        |
| <b>100% Foil + Braided Shield - 24 AWG</b>               |                 |                       |           |           |            |            |        |                      |                      |                             |                      |                        |
| 9841 0601000   | <b>98303579</b> | 1P24FB-CM-CH-R-BED    | 1P        | 7 x 32    | CMG        | PE         | Chrome | .022 /               | .035 /               | .232 / 5.89 12.8            | 12.8                 |                        |



### Plenum

Belden CDT, Inc.

Applications include audio, computers, communications, control, and data transmission. Each cable is designed to protect signal integrity under critical conditions by reducing hum, noise, and crosstalk.



| Mfg. No.                             | Advanced ID     | Advanced P/N        | No. Pairs/<br>Cond. Stranding |         | NEC<br>Rating | Insulation | Jacket            | Nom. Insulation<br>Thickness (in./mm) | Jacket Thickness<br>(in./mm) | Nom. O.D.<br>(in./mm) | Capacitance<br>(pF/ft.) |
|--------------------------------------|-----------------|---------------------|-------------------------------|---------|---------------|------------|-------------------|---------------------------------------|------------------------------|-----------------------|-------------------------|
| <b>O/A 100% Foil Shield - 22 AWG</b> |                 |                     |                               |         |               |            |                   |                                       |                              |                       |                         |
| 82761 8771000                        | <b>99567843</b> | 1P22FS-CMP-NA-R-BED | 1P                            | 7 x 30  | CMP           | FEP        | Natural FEP       | .006 / .15                            | .014 / .116                  | .116 / 2.95           | 35                      |
| <b>O/A 100% Foil Shield - 18 AWG</b> |                 |                     |                               |         |               |            |                   |                                       |                              |                       |                         |
| 88760 0021000                        | <b>98303587</b> | 1P18FS-CMP-RD-R-BED | 1P                            | 19 x 30 | CMP           | FEP        | Red FEP           | .007 / .18                            | .014 / .359                  | .153 / 51             | 51                      |
| 88761 0021000                        | <b>92047428</b> | 1P18FS-CMP-RD-R-BED | 1P                            | 7 x 30  | CMP           | FEP        | Red FEP           | .006 / .15                            | .014 / .360                  | .119 / 35             | 35                      |
| 82760 8771000                        | <b>98303582</b> | 1P18FS-CMP-NA-R-BED | 1P                            | 19 x 30 | CMP           | FEP        | Natural Flamarrst | .007 / .18                            | .014 / .360                  | .150 / 3.81           | 51                      |
| <b>O/A 100% BEDFOIL - 22 AWG</b>     |                 |                     |                               |         |               |            |                   |                                       |                              |                       |                         |
| 82777 8771000                        | <b>99847322</b> | 3P22IS-CMP-MA-R-BED | 3P                            | 7 x 30  | CMP           | HALAR      | Natural           | 0.010 /                               | .0165 /                      | .237 / 35             | 35                      |
| 88723 0021000                        | <b>90056236</b> | 2P22IS-CMP-RD-R-BED | 2P                            | 7 x 30  | CMP           | FEP        | Red FEP           | 0.010 /                               | .014 / .360                  | .148 / 3.76           | 35                      |
| 82723 8771000                        | <b>93176883</b> | 2P22IS-CMP-NA-R-BED | 2P                            | 7 x 30  | CMP           | HALAR      | Flamarrst         | 0.010 /                               | .0165 /                      | .153 / 43             | 43                      |

### Audio & Control Cable

General Cable

Benefits

- Temperature Range: -20°C to + 80°C
- Suitable for EIA RS-232 Applications
- Non-Shielded Applications: Public Address Systems, Intercoms, Remote Control Circuits
- Other Combinations of Size and Conductors Available



| Advanced P/N   | Advanced ID     | Mfg. No.    | Wire Size | No. Pairs<br>/Cond. | Solid/Strd. | Insulation | Nom. Insulation<br>Thickness (in./mm) | Jacket Thickness<br>(in./mm) | Nom. O.D.<br>(in./mm)  | Capacitance<br>(pF/ft.) |
|--|-----------------|-------------|-----------|---------------------|-------------|------------|---------------------------------------|------------------------------|------------------------|-------------------------|
| <b>Audio &amp; Control (CM) Non-Shielded - Gray Jacket</b> |                 |             |           |                     |             |            |                                       |                              |                        |                         |
| 2C22-CM-GY-S-GCC   | <b>97170474</b> | C6348.21.10 | 22 AWG    | 2C                  | 7x30        | SR-PVC     | .010 / .25                            | .015 / .38                   | 0.130 / 3.30           | 25.5                    |
| 4C22-CM-GY-S-GCC   | <b>97126319</b> | C4063.21.10 | 22 AWG    | 4C                  | 7x30        | SR-PVC     | .010 / .25                            | .032 / .81                   | 0.189 / 4.80           | 25.5                    |
| 2C18-CM-GY-R-GCC   | <b>97126318</b> | C2830.41.10 | 18 AWG    | 2C                  | 16x30       | PVC        | .016 / .41                            | .025 / .64                   | 0.210 / 5.33           | 28.0                    |
| 4C18-CM-GY-R-GCC   | <b>97126310</b> | C2404.41.10 | 18 AWG    | 4C                  | 16x30       | PVC        | .016 / .41                            | .032 / .81                   | 0.258 / 6.55           | 28.0                    |
| 2C16-CM-GY-R-GCC   | <b>97194336</b> | C2405.41.05 | 16 AWG    | 2C                  | 19x.0117    | PVC        | .021 / .53                            | .032 / .81                   | 0.268 / 6.81           | 28.0                    |
| <b>Audio &amp; Control (CM) Shielded - Gray Jacket</b>     |                 |             |           |                     |             |            |                                       |                              |                        |                         |
| 2P22FS-CM-GY-RS-GCC  | <b>97170848</b> | C1670.41.10 | 22 AWG    | 2P                  | Solid       | SR PVC     | .010 / .25                            | .032 / .81                   | 0.218 / 5.54           | 32.0                    |
| 2C18FS-CM-GY-R-GCC   | <b>97126314</b> | C2534.41.10 | 18 AWG    | 2C                  | 16x30       | PE         | .016 / .41                            | .020 / .51                   | 0.205 / 5.21           | 26.0                    |
| 3C18FS-CM-GY-R-GCC   | <b>97126315</b> | C2535.41.10 | 18 AWG    | 3C                  | 16x30       | PE         | .016 / .41                            | .020 / .51                   | 0.219 / 5.56           | 23.0                    |
| 4C18FS-CM-GY-R-GCC   | <b>97126317</b> | C2543.41.10 | 18 AWG    | 4C                  | 19x30       | SR PVC     | .010 / .25                            | .032 / .81                   | 0.238 / 6.05           | 50.0                    |
| 2C16FS-CM-GY-R-GCC   | <b>97126316</b> | C2536.41.10 | 16 AWG    | 2C                  | 19x.0117    | SR PVC     | .310 / .79                            | .032 / .81                   | 1.307 / 7.80           | 20.0                    |
| 2C14FS-CL2-GY-R-GCC  | <b>97170543</b> | C2538.41.10 | 14 AWG    | 2C                  | 19x.0147    | SR PVC     | .310 / .79                            | .032 / .81                   | 0.335 / 8.51           | 23.0                    |
| <b>Speaker Wire - Clear Jacket</b>                         |                 |             |           |                     |             |            |                                       |                              |                        |                         |
| 2C18-SPKR-CL-S-GCC   | <b>97126408</b> | C1357.21.90 | 18 AWG    | 2C                  | 16x30       | PVC        | .025 / .64                            | -                            | 0.083x.181 / 2.11x4.60 | Standard                |
| 2C16-SPKR-CL-S-GCC   | <b>97126409</b> | C1358.21.90 | 16 AWG    | 2C                  | 26x30       | PVC        | .025 / .64                            | -                            | 0.105x.210 / 2.64x5.33 | Standard                |
| 2C14-SPKR-CL-R-GCC   | <b>97126411</b> | C1361.41.90 | 14 AWG    | 2C                  | 41/30       | PVC        | .025 / .64                            | -                            | 0.125x.235 / 3.18x5.69 | Standard                |

### Plenum Audio & Control Cable

#### General Cable

- Flexguard Insulation & Jacket
- CMP / CL3P Rated

#### Applications

- Power Limited Control Circuits
- Wiring of the Following Systems: Intercom, Security, Audio or Background Music



| Advanced P/N   | Advanced ID              | Mfg. No.     | Wire Size | No. Pairs /Cond. | Solid / Strd. | Insulation | Nom. Insulation Thickness (in. / mm) | Jacket Thickness (in. / mm) | Nom. O.D. (in. / mm) | Capacitance (pF / ft.) |
|--|--------------------------|--------------|-----------|------------------|---------------|------------|--------------------------------------|-----------------------------|----------------------|------------------------|
| <b>Plenum (CMP) Audio &amp; Control Non-Shielded - Natural Jacket</b>  |                          |              |           |                  |               |            |                                      |                             |                      |                        |
| 2C18-CMP-NA-RBFG-GCC   | <a href="#">97126479</a> | C3112.41.86  | 18 AWG    | 2C               | 7x26 B.C.     | Flexguard  | .008 / .20                           | .015 / .38                  | .156 / 3.96          | 35.0                   |
| 2C18-CMP-NA-BBFG-GCC   | <a href="#">98319219</a> | E3032S.41.86 | 18 AWG    | 2C               | 7x26 B.C.     | Flexguard  | .008 / .20                           | .015 / .38                  | .156 / 3.96          | -                      |
| 2C18-CMP-NA-BBFG-GCC-X   | <a href="#">97190085</a> | E3032S.30.86 | 18 AWG    | 2C               | 7x26 B.C.     | Flexguard  | .008 / .20                           | .015 / .38                  | .156 / 3.96          | -                      |
| <b>Plenum (CMP) Audio &amp; Control Non-Shielded - Gray Jacket</b>     |                          |              |           |                  |               |            |                                      |                             |                      |                        |
| 4C18-CMP-NA-RBFG-GCC   | <a href="#">97126475</a> | C3113.41.86  | 18 AWG    | 4C               | 7x26 B.C.     | Flexguard  | .008 / .20                           | .015 / .38                  | .182 / 4.62          | 35.0                   |
| 2C16-CMP-NA-RBFG-GCC   | <a href="#">97126491</a> | C3127.41.86  | 18 AWG    | 2C               | 19x.0117 B.C. | Flexguard  | .008 / .20                           | .015 / .38                  | .178 / 4.52          | 40.0                   |
| <b>Plenum (CMP) Audio &amp; Control-Shielded Foil - Natural Jacket</b> |                          |              |           |                  |               |            |                                      |                             |                      |                        |
| 2C22FS-CMP-NA-RBFG-GCC   | <a href="#">97190066</a> | E2102S.41.86 | 22 AWG    | 2C               | Bare Copper   | Flexguard  | .008 / .20                           | .015 / .38                  | .120 / 3.05          | -                      |
| 2C18FS-CMP-NA-BBFG-GCC   | <a href="#">97126465</a> | E2202S.30.86 | 18 AWG    | 2C               | Bare Copper   | Flexguard  | .008 / .20                           | .015 / .38                  | .164 / 4.17          | -                      |
| 2C18FS-CMP-NA-RBFG-GCC   | <a href="#">97126467</a> | E2202S.41.86 | 18 AWG    | 2C               | 7x26          | Flexguard  | .008 / .20                           | .015 / .38                  | .164 / 4.17          | -                      |
| 3C18FS-CMP-NA-RBFG-GCC   | <a href="#">97188081</a> | C3064.41.86  | 18 AWG    | 3C               | Bare Copper   | Flexguard  | .008 / .20                           | .015 / .38                  | .169 / 4.29          | 96.0                   |
| 4C18FS-CMP-NA-BBFG-GCC   | <a href="#">97190074</a> | E2204S.30.86 | 18 AWG    | 4C               | Bare Copper   | Flexguard  | .008 / .20                           | .015 / .38                  | .185 / 4.70          | 96.0                   |
| 4C18FS-CMP-NA-RRBFG-GCC  | <a href="#">97126468</a> | C3063.41.86  | 18 AWG    | 4C               | 7x26 B.C.     | Flexguard  | .008 / .20                           | .015 / .38                  | .186 / 4.72          | 96.0                   |
| 6C18FS-CMP-NA-RBFG-GCC   | <a href="#">97126472</a> | C3065.41.86  | 18 AWG    | 6C               | 7x26 B.C.     | Flexguard  | .010 / .25                           | .015 / .38                  | .232 / 5.89          | 86.0                   |
| 2C16FS-CMP-NA-RBFG-GCC   | <a href="#">97126474</a> | C3068.41.86  | 16 AWG    | 2C               | 19x.0117      | Flexguard  | .008 / .20                           | .015 / .38                  | .187 / 4.75          | 134.0                  |

## Sound & Security / Fire Alarm Cable

### General Cable

#### Features

- Temperature Range: -20°C to + 75°C
- Wiring for: Intercom, Security, Audio, Background Music
- Suggested Voltage Rating: 300V



| Advanced P/N   | Advanced ID | Mfg. No.         | Wire Size | No. Pairs |               | Insulation | Nom. Insulation Thickness (in. / mm) | Jacket Thickness (in. / mm) | Nom. O.D. (in. / mm) | Capacitance (pF / ft.) |
|--|-------------|------------------|-----------|-----------|---------------|------------|--------------------------------------|-----------------------------|----------------------|------------------------|
|  |             |                  |           | /Cond.    | Solid / Strd. |            |                                      |                             |                      |                        |
| <b>Sound &amp; Security CMR/CL3R-Non-Shielded - White Jacket</b> |             |                  |           |           |               |            |                                      |                             |                      |                        |
| 2C22-CMR-WH-BB-GCC   | 22084851    | E1002S.30.02     | 22 AWG    | 2C        | 7x30          | SR PVC     | .008 / .20                           | .015 / .38                  | .122 / 3.10          | -                      |
| <b>Sound &amp; Security CMR/CL3R-Non-Shielded - Gray Jacket</b>  |             |                  |           |           |               |            |                                      |                             |                      |                        |
| 4C22-CMR-GY-BB-GCC   | 97190031    | E1004S.30.10     | 22 AWG    | 4C        | 7x30          | SR PVC     | .008 / .20                           | .015 / .38                  | .156 / 3.96          | -                      |
| 2C18-CMR-GY-BB-GCC   | 97126436    | E1032S.30.10     | 18 AWG    | 2C        | 7x26          | SR PVC     | .009 / .23                           | .015 / .38                  | .156 / 3.96          | -                      |
| 2C18-CMR-GY-R-GCC  | 97254208    | E1032S.41.10     | 18 AWG    | 2C        | 7x26          | SR PVC     | .009 / .23                           | .015 / .38                  | .156 / 3.96          | -                      |
| 4C18-CMR-GY-BB-GCC   | 97126437    | E1034S.30.10     | 18 AWG    | 4C        | 7x26          | SR PVC     | .009 / .23                           | .015 / .38                  | .187 / 4.75          | -                      |
| 2C16-CMR-GY-BB-GCC   | 97126438    | E1042S.30.10     | 16 AWG    | 2C        | 19x.0117      | SR PVC     | .009 / .25                           | .015 / .38                  | .178 / 4.52          | -                      |
| 2C16-CMR-GY-RB-GCC   | 97227099    | E1042S.41.10     | 16 AWG    | 2C        | 19x.0117      | SR PVC     | .009 / .25                           | .015 / .38                  | .178 / 4.52          | -                      |
| 4C16-CMR-GY-BB-GCC   | 97126439    | E1044S.30.10     | 16 AWG    | 4C        | 19x.0117      | SR PVC     | .009 / .25                           | .015 / .38                  | .209 / 5.31          | -                      |
| 2C12-CL3R-GY-RB-GCC  | 97126446    | E1062S.41.10     | 12 AWG    | 2C        | 19x.0185      | SR PVC     | .013 / .33                           | .015 / .38                  | .260 / 6.60          | -                      |
| <b>Sound &amp; Security CMR/CL3R-Foil Shielded - Gray Jacket</b> |             |                  |           |           |               |            |                                      |                             |                      |                        |
| 2C22FS-CMR-GY-B-GCC  | 97126448    | E2002S.30.10     | 22 AWG    | 2C        | 7x30          | SR PVC     | .008 / .20                           | .015 / .38                  | .132 / 3.35          | -                      |
| 2C22FS-CMR-GY-R-GCC  | 97254214    | E2002S.41.10     | 22 AWG    | 2C        | 7x30          | SR PVC     | .008 / .20                           | .015 / .38                  | .132 / 3.35          | -                      |
| 4C22FS-CMR-GY-BB-GCC   | 97126451    | E2004S.30.10     | 22 AWG    | 4C        | 7x30          | SR PVC     | .008 / .20                           | .015 / .38                  | .147 / 3.73          | -                      |
| 2C18FS-CMR-GY-BB-GCC   | 97126455    | E2032S.30.10     | 18 AWG    | 2C        | 7x26          | SR PVC     | .009 / .23                           | .015 / .38                  | .164 / 4.17          | -                      |
| 2C18FS-CMR-GY-RB-GCC   | 97254209    | E2032S.41.10     | 18 AWG    | 2C        | 7x26          | SR PVC     | .009 / .23                           | .015 / .38                  | .164 / 4.17          | -                      |
| 3C18FS-CMR-GY-BB-GCC   | 97126457    | E2033S.30.10     | 18 AWG    | 3C        | 7x26          | SR PVC     | .009 / .23                           | .015 / .38                  | .172 / 4.37          | -                      |
| 4C18FS-CMR-GY-RB-GCC   | 97126459    | E2034S.41.10     | 18 AWG    | 4C        | 7x26          | SR PVC     | .009 / .23                           | .015 / .38                  | .192 / 4.88          | -                      |
| 2C16FS-CMR-GY-BB-GCC   | 97126461    | E2042S.30.10     | 16 AWG    | 2C        | 19x.0117      | SR PVC     | .010 / .25                           | .015 / .38                  | .189 / 4.80          | -                      |
| 12C22FS-CMR-GY-BB-GCC  | 97126453    | E2012S.30.10     | 22 AWG    | 12C       | 7x30          | SR PVC     | .008 / .20                           | .015 / .38                  | .225 / 5.72          | -                      |
| <b>Fire Alarm (FPLR) Non-Shielded - Red Jacket</b>               |             |                  |           |           |               |            |                                      |                             |                      |                        |
| 2C18-FPL-R-B-GCC   | 97285977    | E1502S.30.03 RED | 18 AWG    | 2C        | Solid         | SR PVC     | .010 / .25                           | .015 / .38                  | .150 / 3.81          | -                      |
| 2C18-FPL-R-R-GCC   | 97126137    | E1502S.41.03     | 18 AWG    | 2C        | Solid         | SR PVC     | .010 / .25                           | .015 / .38                  | .150 / 3.81          | -                      |
| 2C16-FPL-R-R-GCC   | 97126139    | E1512S.41.03     | 16 AWG    | 2C        | Solid         | SR PVC     | .010 / .25                           | .015 / .38                  | .172 / 4.37          | -                      |
| 2C14-FPL-R-R-GCC   | 97126141    | E1522S.41.03 RED | 14 AWG    | 2C        | Solid         | SR PVC     | .013 / .33                           | .015 / .38                  | .210 / 5.33          | -                      |
| 2C12-FPL-R-R-GCC   | 97126145    | E1532S.41.03 RED | 12 AWG    | 2C        |               |            |                                      |                             |                      |                        |
| <b>Fire Alarm (FPLR) Foil Shielded - Red Jacket</b>              |             |                  |           |           |               |            |                                      |                             |                      |                        |
| 2C18FS-FPL-R-B-GCC   | 97126142    | E2502S.30.03     | 18 AWG    | 2C        | Solid         | SR PVC     | .010 / .25                           | .015 / .38                  | .158 / 4.01          | -                      |
| 2C18FS-FPL-R-R-GCC   | 97169616    | E2502S.41.03 RED | 18 AWG    | 2C        | Solid         | SR PVC     | .010 / .25                           | .015 / .38                  | .158 / 4.01          | -                      |
| 2C16FS-FPL-R-R-GCC   | 97126143    | E2522S.41.03     | 16 AWG    | 2C        | Solid         | SR PVC     | .010 / .25                           | .015 / .38                  | .180 / 4.57          | -                      |
| 2C14FS-FPL-R-R-GCC   | 97126144    | E2532S.41.03 RED | 14 AWG    | 2C        | Solid         | Flexguard  | .013 / .33                           | .015 / .38                  | .218 / 5.54          | -                      |
| <b>Plenum Fire Alarm (FPLP) Non-Shielded - Red Jacket</b>        |             |                  |           |           |               |            |                                      |                             |                      |                        |
| 2C18-FPL-P-R-GCC   | 97212169    | E3502S.41.03     | 18 AWG    | 2C        | Solid         | Flexguard  | .010 / .25                           | .015 / .38                  | .155 / 3.81          | -                      |
| 2C16-FPL-P-R-GCC   | 97126149    | E3512S.41.03     | 16 AWG    | 2C        | Solid         | Flexguard  | .010 / .25                           | .015 / .38                  | .172 / 4.37          | -                      |
| 2C14-FPL-P-R-GCC   | 97126151    | E3522S.41.03 RED | 14 AWG    | 2C        | Solid         | Flexguard  | .012 / .30                           | .015 / .38                  | .210 / 5.28          | -                      |
| 2C12-FPL-P-R-GCC   | 97190088    | E3532S.41.03     | 12 AWG    | 2C        | Solid         | Flexguard  | .012 / .30                           | .015 / .38                  | .244 / 6.20          | -                      |
| <b>Plenum Fire Alarm (FPLP) Foil Shielded - Red Jacket</b>       |             |                  |           |           |               |            |                                      |                             |                      |                        |
| 2C18FS-FPL-P-B-GCC   | 97169637    | E3602S.30.03     | 18 AWG    | 2C        | Solid         | Flexguard  | .010 / .25                           | .015 / .38                  | .158 / 4.01          | -                      |
| 2C18FS-FPL-P-R-GCC   | 97126154    | E3602S.41.03 RED | 18 AWG    | 2C        | Solid         | Flexguard  | .010 / .25                           | .015 / .38                  | .158 / 4.01          | -                      |
| 2C16FS-FPL-P-B-GCC   | 97126157    | E3612S.30.03 RED | 16 AWG    | 2C        | Solid         | Flexguard  | .010 / .25                           | .015 / .38                  | .180 / 4.57          | -                      |
| 2C16FS-FPL-P-R-GCC   | 98291319    | E3612S.41.03     | 16 AWG    | 2C        | Solid         | Flexguard  | .010 / .25                           | .015 / .38                  | .180 / 4.57          | -                      |

### Non-Plenum Fire Alarm Cable

Belden CDT, Inc.

Applications include fire protection, alarm, signal, monitoring and detection, notification circuits, control circuits, initiating circuits, and audio circuits.

#### Features

- PVC Insulation
- Red Overall PVC Jacket
- NEC Rating: FPLR
- Solid Conductors



| Advanced P/N        | Advanced ID     | Mfg. No.        | Wire Size | No. Pairs /Cond. | Shield                          | Nom. Insulation Thickness (in./mm) | Nom. O.D. (in./mm) |
|---------------------|-----------------|-----------------|-----------|------------------|---------------------------------|------------------------------------|--------------------|
| <b>Non-Shielded</b> |                 |                 |           |                  |                                 |                                    |                    |
| 2C18-FPL-R-B-BED    | <b>99567886</b> | 5320UL 002U1000 | 18 AWG    | 2C               | Non-Shielded                    | .010 / .250                        | .151 / 3.84        |
| 4C18-FPL-R-R-BED    | <b>99692666</b> | 5322UL 0021000  | 18 AWG    | 4C               | Non-Shielded                    | .010 / .250                        | .176 / 4.47        |
| 2C16-FPL-R-R-BED    | <b>99567901</b> | 5220UL 0021000  | 16 AWG    | 2C               | Non-Shielded                    | .010 / .250                        | .174 / 4.42        |
| 4C16-FPL-R-R-BED    | <b>99913083</b> | 5222UL 0021000  | 16 AWG    | 4C               | Non-Shielded                    | .010 / .250                        | .204 /             |
| 2C14-FPL-R-R-BED    | <b>99567877</b> | 5120UL 0021000  | 14 AWG    | 2C               | Non-Shielded                    | .010 / .250                        | .213 / 5.41        |
| 4C14-FPL-R-R-BED    | <b>99912995</b> | 5122UL 0021000  | 14 AWG    | 4C               | Non-Shielded                    | .013 / .333                        | .251 / 6.38        |
| 2C12-FPL-R-R-BED    | <b>99687549</b> | 5020UL 0021000  | 12 AWG    | 2C               | Non-Shielded                    | .013 / .333                        | .247 /             |
| <b>Shielded</b>     |                 |                 |           |                  |                                 |                                    |                    |
| 2C18FS-FPL-R-R-BED  | <b>99567879</b> | 5320FL 0021000  | 18 AWG    | 2C               | Beldfoil Shield with Drain Wire | .010 / .250                        | .155 / 3.94        |
| 4C18FS-FPL-R-R-BED  | <b>99913234</b> | 5322FL 002U1000 | 18 AWG    | 4C               | Beldfoil Shield with Drain Wire | .010 / .250                        | .170 /             |
| 2C16FS-FPL-R-R-BED  | <b>99568674</b> | 5220FL 0021000  | 16 AWG    | 2C               | Beldfoil Shield with Drain Wire | .010 / .250                        | .178 / 4.52        |
| 2C14FS-FPL-R-R-BED  | <b>25022834</b> | 5120FL 0021000  | 14 AWG    | 2C               | Beldfoil Shield with Drain Wire | .010 / .250                        | .217 / 5.51        |
| 2C12FS-FPL-R-R-BED  | <b>99912935</b> | 5020FL 0021000  | 12 AWG    | 2C               | Beldfoil Shield with Drain Wire | .010 / .250                        | .251 / 6.38        |

### Plenum

Belden CDT, Inc.

Applications include fire protection, alarm, signal, monitoring and detection, notification circuits, control circuits, initiating circuits, and audio circuits.

#### Benefits

- Advanced also Stocks Variations of These Items with Different Jacket Colors, Put-Ups and Lengths

#### Features

- NEC Rating: FPLR
- Solid Conductors
- Jacket: Flamarrrest



| Advanced P/N         | Advanced ID     | Mfg. No.        | Wire Size | No. Pairs /Cond. | Shield                          | Nom. Insulation Thickness (in. / mm) | Nom. O.D. (in. / mm) |
|----------------------|-----------------|-----------------|-----------|------------------|---------------------------------|--------------------------------------|----------------------|
| <b>Non-Shielded</b>  |                 |                 |           |                  |                                 |                                      |                      |
| 2C18-FPL-P-BFA-BED   | <b>99701735</b> | 6320UL 002U1000 | 18 AWG    | 2C               | Non-Shielded                    | .010 / .25                           | .151 / 3.84          |
| 4C18-FPL-P-BFA-BED   | <b>99913697</b> | 6322UL 002U1000 | 18 AWG    | 4C               | Non-Shielded                    | .010 / .25                           | .176 / 4.47          |
| 2C16-FPL-P-R-BED     | <b>99803031</b> | 6220UL 0021000  | 16 AWG    | 2C               | Non-Shielded                    | .010 / .25                           | .174 /               |
| 2C14-FPL-P-R-BED     | <b>99567882</b> | 6120UL 0021000  | 14 AWG    | 2C               | Non-Shielded                    | .011 / .28                           | .205 / 5.21          |
| 4C14-FPL-P-R-BED     | <b>99801399</b> | 6122UL 0021000  | 14 AWG    | 4C               | Non-Shielded                    | .011 / .28                           | .241 /               |
| 2C12-FPL-P-R-BED     | <b>99801398</b> | 6020UL 0021000  | 12 AWG    | 2C               | Non-Shielded                    | .011 / .28                           | .239 / 6.07          |
| <b>Shielded</b>      |                 |                 |           |                  |                                 |                                      |                      |
| 2C18FS-FPL-P-RFA-BED | <b>99567883</b> | 6320FL 0021000  | 18 AWG    | 2C               | Beldfoil Shield with Drain Wire | .010 / .25                           | .158 / 4.01          |
| 2C16FS-FPL-P-R-BED   | <b>99753234</b> | 6220FL 0021000  | 16 AWG    | 2C               | Beldfoil Shield with Drain Wire | .010 / .25                           | .181 /               |
| 2C14FS-FPL-P-R-BED   | <b>99801400</b> | 6120FL 0021000  | 14 AWG    | 2C               | Beldfoil Shield with Drain Wire | .011 / .28                           | .209 /               |

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## Conduit

| Size      | PVC - 10 ft. Schedule 40     | PVC - 20 ft. Schedule 40        | PVC 10 ft. Schedule 80          | PVC - 20 ft. Schedule 80           | EMT                          | Galvanized Rigid              | IMC                          | Aluminum                      |
|-----------|------------------------------|---------------------------------|---------------------------------|------------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| 1/2 in.   | PVC-1/2<br><b>88215680</b>   | PVC-1/2-20<br><b>88215692</b>   | PVC-80-1/2<br><b>88215737</b>   | PVC-80-1/2-20<br><b>88215747</b>   | 1/2-EMT<br><b>88272937</b>   | 1/2-GALV<br><b>88272874</b>   | 1/2-IMC<br><b>88272875</b>   | 1/2-ALUM<br><b>88272921</b>   |
| 3/4 in.   | PVC-3/4<br><b>88215685</b>   | PVC-3/4-20<br><b>88215697</b>   | PVC-80-3/4<br><b>88215741</b>   | PVC-80-3/4-20<br><b>88215751</b>   | 3/4-EMT<br><b>88272942</b>   | 3/4-GALV<br><b>88272905</b>   | 3/4-IMC<br><b>88272906</b>   | 3/4-ALUM<br><b>88272926</b>   |
| 1 in.     | PVC-1<br><b>88215681</b>     | PVC-1-20<br><b>88215693</b>     | PVC-80-1<br><b>88215738</b>     | PVC-80-1-20<br><b>88215748</b>     | 1-EMT<br><b>88272936</b>     | 1-GALV<br><b>88272872</b>     | 1-IMC<br><b>88272873</b>     | 1-ALUM<br><b>88272920</b>     |
| 1 1/4 in. | PVC-1 1/4<br><b>88215679</b> | PVC-1 1/4-20<br><b>88215691</b> | PVC-80-1 1/4<br><b>88215736</b> | PVC-80-1 1/4-20<br><b>88215746</b> | 1 1/4-EMT<br><b>88272935</b> | 1 1/4-GALV<br><b>88272870</b> | 1 1/4-IMC<br><b>88272871</b> | 1 1/4-ALUM<br><b>88272919</b> |
| 1 1/2 in. | PVC-1 1/2<br><b>88215678</b> | PVC-1 1/2-20<br><b>88215690</b> | PVC-80-1 1/2<br><b>88215735</b> | PVC-80-1 1/2-20<br><b>88215745</b> | 1 1/2-EMT<br><b>88272934</b> | 1 1/2-GALV<br><b>88272868</b> | 1 1/2-IMC<br><b>88272869</b> | 1 1/2-ALUM<br><b>88272918</b> |
| 2 in.     | PVC-2<br><b>88215683</b>     | PVC-2-20<br><b>88215695</b>     | PVC-80-2<br><b>88215740</b>     | PVC-80-2-20<br><b>88215750</b>     | 2-EMT<br><b>88272939</b>     | 2-GALV<br><b>88272878</b>     | 2-IMC<br><b>88272879</b>     | 2-ALUM<br><b>88272923</b>     |
| 2 1/2 in. | PVC-2 1/2<br><b>88215682</b> | PVC-2 1/2-20<br><b>88215694</b> | PVC-80-2 1/2<br><b>88215739</b> | PVC-80-2 1/2-20<br><b>88215749</b> | 2 1/2-EMT<br><b>88272938</b> | 2 1/2-GALV<br><b>88272876</b> | 2 1/2-IMC<br><b>88272877</b> | 2 1/2-ALUM<br><b>88272922</b> |
| 3 in.     | PVC-3<br><b>88215686</b>     | PVC-3-20<br><b>88215698</b>     | PVC-80-3<br><b>88215742</b>     | PVC-80-3-20<br><b>88215752</b>     | 3-EMT<br><b>88272941</b>     | 3-GALV<br><b>88272889</b>     | 3-IMC<br><b>88272890</b>     | 3-ALUM<br><b>88272925</b>     |
| 3 1/2 in. | PVC-3 1/2<br><b>88215684</b> | PVC-3 1/2-20<br><b>88215696</b> | PVC-80-3 1/2<br><b>94053951</b> | -<br><b>-</b>                      | 3 1/2-EMT<br><b>88272940</b> | 3 1/2-GALV<br><b>88272887</b> | 3 1/2-IMC<br><b>88272888</b> | 3 1/2-ALUM<br><b>88272924</b> |
| 4 in.     | PVC-4<br><b>88215687</b>     | PVC-4-20<br><b>88215699</b>     | PVC-80-4<br><b>88215743</b>     | PVC-80-4-20<br><b>88215753</b>     | 4-EMT<br><b>88272943</b>     | 4-GALV<br><b>88272907</b>     | 4-IMC<br><b>88272908</b>     | 4-ALUM<br><b>88272927</b>     |
| 5 in.     | PVC-5<br><b>88215688</b>     | PVC-5-20<br><b>88215700</b>     | PVC-80-5<br><b>88215744</b>     | -<br><b>-</b>                      | -<br><b>-</b>                | 5-GALV<br><b>88272916</b>     | -<br><b>-</b>                | 5-ALUM<br><b>88272928</b>     |
| 6 in.     | PVC-6<br><b>88215689</b>     | PVC-6-20<br><b>88215701</b>     | PVC-80-6<br><b>97125912</b>     | -<br><b>-</b>                      | -<br><b>-</b>                | 6-GALV<br><b>88272917</b>     | -<br><b>-</b>                | 6-ALUM<br><b>88272929</b>     |

## 20 ft. Electrical Metallic Tubing

Wheatland Tube Company

An unthreaded thinwall raceway of circular cross section designed for the physical protection and routing of conductors and cables and for use as an equipment grounding conductor when installed utilizing the appropriate fittings.

| Mfg. No.  | Advanced ID     | Trade Size (in.) | Approx. Weight per 100 Foot (lb) | Nom. O.D. (in.) | Nom. Wall Thickness (in.) |
|-----------|-----------------|------------------|----------------------------------|-----------------|---------------------------|
| 550020000 | <b>25054919</b> | 1/2              | 30                               | 0.706           | 0.042                     |
| 550120000 | <b>25054920</b> | 3/4              | 46                               | 0.922           | 0.049                     |
| 550220000 | <b>25054921</b> | 1                | 67                               | 1.163           | 0.057                     |
| 550320000 | <b>25054922</b> | 1 1/4            | 101                              | 1.510           | 0.065                     |
| 550420000 | <b>25054923</b> | 1 1/2            | 116                              | 1.740           | 0.065                     |
| 550520000 | <b>25054924</b> | 2                | 148                              | 2.197           | 0.065                     |
| 550620000 | <b>25054925</b> | 2 1/2            | 216                              | 2.875           | 0.072                     |
| 550720000 | <b>25054926</b> | 3                | 263                              | 3.500           | 0.072                     |
| 550820000 | <b>25054927</b> | 3 1/2            | 349                              | 4.00            | 0.083                     |
| 550920000 | <b>25054928</b> | 4                | 393                              | 4.500           | 0.083                     |

## Kwik-Fit EMT Conduit

Kwik-Fit EMT is steel conduit with a built-in set-screw coupling, eliminating the need to purchase, inventory, and install separate couplings.

### Features

- Each 10 ft. Length has an Integrated Steel Set-Screw Coupling
- Built-in Couplings Significantly Reduce Installation Time

| Mfg. No.          | Advanced ID     | Trade Size (in.) | Approx. Weight per 100 Foot (lb) | Nominal O.D. (in.) | Nominal Wall Thickness (in.) |
|-------------------|-----------------|------------------|----------------------------------|--------------------|------------------------------|
| 2-1/2-KWIKFIT-EMT | <b>88272886</b> | 2 1/2            | 216                              | 2.875              | 0.072                        |
| 3-KWIKFIT-EMT     | <b>88272897</b> | 3                | 263                              | 3.500              | 0.072                        |
| 3-1/2-KWIKFIT-EMT | <b>88272904</b> | 3 1/2            | 349                              | 4.000              | 0.083                        |
| 4-KWIKFIT-EMT     | <b>88272915</b> | 4                | 393                              | 4.500              | 0.083                        |

### Rigid Steel, IMC & Aluminum Conduit Elbows-90° & 45°

#### Benefits

- Length Dimensions Are Minimum Per UL 6A
- Sizes 2<sup>1</sup>/<sub>2</sub> in. and Larger Shipped in Palletized Cartons or Bulk
- Palletized & Bulk Elbows Supplied with a Thread Protector on Each End
- UL Label Affixed on Each Elbow
- Items Shown Are Std. Radius Only



| Mfg. No.                                     | Advanced ID | Trade Size (in.)              | Degree of Bend | Min. UL Radius (in.)           | Weight (lb) per 100/per Ctn. |
|--|-------------|-------------------------------|----------------|--------------------------------|------------------------------|
| <b>Rigid Galvanized Steel Conduit Elbows</b> |             |                               |                |                                |                              |
| 1/2-GALV-ELL                                 | 88273104    | 1/2                           | 90             | 4                              | 70 / 35                      |
| 3/4-GALV-ELL                                 | 88273307    | 3/4                           | 90             | 4 <sup>1</sup> / <sub>2</sub>  | 112 / 56                     |
| 1-GALV-ELL                                   | 88273062    | 1                             | 90             | 5 <sup>3</sup> / <sub>4</sub>  | 192 / 48                     |
| 1-1/4-GALV-ELL                               | 88273019    | 1 <sup>1</sup> / <sub>4</sub> | 90             | 7 <sup>1</sup> / <sub>4</sub>  | 320 / 64                     |
| 1-1/2-GALV-ELL                               | 88272976    | 1 <sup>1</sup> / <sub>2</sub> | 90             | 8 <sup>1</sup> / <sub>4</sub>  | 413 / 62                     |
| 2-GALV-ELL                                   | 88273193    | 2                             | 90             | 9 <sup>1</sup> / <sub>2</sub>  | 670 / 67                     |
| 2-1/2-GALV-ELL                               | 88273154    | 2 <sup>1</sup> / <sub>2</sub> | 90             | 10 <sup>1</sup> / <sub>2</sub> | 1200 / 600                   |
| 3-GALV-ELL                                   | 88273269    | 3                             | 90             | 13                             | 1900 / 665                   |
| 3-1/2-GALV-ELL                               | 88273234    | 3 <sup>1</sup> / <sub>2</sub> | 90             | 15                             | 2800 / 700                   |
| 4-GALV-ELL                                   | 88273354    | 4                             | 90             | 16                             | 3100 / 775                   |
| 5-GALV-ELL                                   | 88273386    | 4                             | 90             | 24                             | 6800 / Bulk                  |
| 6-GALV-ELL                                   | 88273412    | 6                             | 90             | 30                             | 11400 / Bulk                 |
| 1/2-45DEG-GALV-ELL                           | 88273098    | 1/2                           | 45             | 4                              | 70 / 35                      |
| 3/4-45DEG-GALV-ELL                           | 88273301    | 3/4                           | 45             | 4 <sup>1</sup> / <sub>2</sub>  | 112 / 56                     |
| 1-45DEG-GALV-ELL                             | 88273056    | 1                             | 45             | 5 <sup>3</sup> / <sub>4</sub>  | 192 / 48                     |
| 1-1/4-45DEG-GALV-ELL                         | 88273013    | 1 <sup>1</sup> / <sub>4</sub> | 45             | 7 <sup>1</sup> / <sub>4</sub>  | 320 / 64                     |
| 1-1/2-45DEG-GALV-ELL                         | 88272970    | 1 <sup>1</sup> / <sub>2</sub> | 45             | 8 <sup>1</sup> / <sub>4</sub>  | 413 / 62                     |
| 2-45DEG-GALV-ELL                             | 88273187    | 2                             | 45             | 9 <sup>1</sup> / <sub>2</sub>  | 670 / 67                     |
| 2-1/2-45DEG-GALV-ELL                         | 88273148    | 2 <sup>1</sup> / <sub>2</sub> | 45             | 10 <sup>1</sup> / <sub>2</sub> | 1200 / 600                   |
| 3-45DEG-GALV-ELL                             | 88273263    | 3                             | 45             | 13                             | 1900 / 665                   |
| 3-1/2-45DEG-GALV-ELL                         | 88273228    | 3 <sup>1</sup> / <sub>2</sub> | 45             | 15                             | 2800 / 700                   |
| 4-45DEG-GALV-ELL                             | 88273348    | 4                             | 45             | 16                             | 3100 / 775                   |
| 5-45DEG-GALV-ELL                             | 88273382    | 5                             | 45             | 24                             | 6800 / Bulk                  |
| 6-45DEG-GALV-ELL                             | 88273408    | 6                             | 45             | 30                             | 11400 / Bulk                 |
| <b>IMC Elbows</b>                            |             |                               |                |                                |                              |
| 1/2-IMC-ELL                                  | 88273106    | 1/2                           | 90             | 4                              | 52 / 26                      |
| 3/4-IMC-ELL                                  | 88273309    | 3/4                           | 90             | 4 <sup>1</sup> / <sub>2</sub>  | 82 / 41                      |
| 1-IMC-ELL                                    | 88273064    | 1                             | 90             | 5 <sup>3</sup> / <sub>4</sub>  | 136 / 34                     |
| 1-1/4-IMC-ELL                                | 88273021    | 1 <sup>1</sup> / <sub>4</sub> | 90             | 7 <sup>1</sup> / <sub>4</sub>  | 225 / 45                     |
| 1-1/2-IMC-ELL                                | 88272978    | 1 <sup>1</sup> / <sub>2</sub> | 90             | 8 <sup>1</sup> / <sub>4</sub>  | 306 / 46                     |
| 2-IMC-ELL                                    | 88273195    | 2                             | 90             | 9 <sup>1</sup> / <sub>2</sub>  | 480 / 48                     |
| 2-1/2-IMC-ELL                                | 88273156    | 2 <sup>1</sup> / <sub>2</sub> | 90             | 10 <sup>1</sup> / <sub>2</sub> | 300 / 450                    |
| 3-IMC-ELL                                    | 88273271    | 3                             | 90             | 13                             | 1500 / 525                   |
| 3-1/2-IMC-ELL                                | 88273236    | 3 <sup>1</sup> / <sub>2</sub> | 90             | 15                             | 1800 / 450                   |
| 4-IMC-ELL                                    | 88273356    | 4                             | 90             | 16                             | 2000 / 500                   |
| <b>Rigid Aluminum Conduit Elbows</b>         |             |                               |                |                                |                              |
| 1/2-ALUM-ELL                                 | 88273101    | 1/2                           | 90             | 4                              | 26 / 13                      |
| 3/4-ALUM-ELL                                 | 88273304    | 3/4                           | 90             | 4 <sup>1</sup> / <sub>2</sub>  | 40 / 20                      |
| 1-ALUM-ELL                                   | 88273059    | 1                             | 90             | 5 <sup>3</sup> / <sub>4</sub>  | 72 / 18                      |
| 1-1/4-ALUM-ELL                               | 88273016    | 1 <sup>1</sup> / <sub>4</sub> | 90             | 7 <sup>1</sup> / <sub>4</sub>  | 105 / 21                     |
| 1-1/2-ALUM-ELL                               | 88272973    | 1 <sup>1</sup> / <sub>2</sub> | 90             | 8 <sup>1</sup> / <sub>4</sub>  | 153 / 23                     |
| 2-ALUM-ELL                                   | 88273190    | 2                             | 90             | 9 <sup>1</sup> / <sub>2</sub>  | 210 / 21                     |
| 2-1/2-ALUM-ELL                               | 88273151    | 2 <sup>1</sup> / <sub>2</sub> | 90             | 10 <sup>1</sup> / <sub>2</sub> | 500 / 250                    |
| 3-ALUM-ELL                                   | 88273266    | 3                             | 90             | 13                             | 800 / 280                    |
| 3-1/2-ALUM-ELL                               | 88273231    | 3 <sup>1</sup> / <sub>2</sub> | 90             | 15                             | 900 / 225                    |
| 4-ALUM-ELL                                   | 88273351    | 4                             | 90             | 16                             | 1200 / 300                   |
| 5-ALUM-ELL                                   | 88273384    | 5                             | 90             | 24                             | 2400 / -                     |
| 6-ALUM-ELL                                   | 88273410    | 6                             | 90             | 30                             | 3800 / -                     |

### EMT Elbows

90° and 45° EMT elbows.

#### Benefits

- Special Radius and Other Elbows Available on Request



| Mfg. No.            | Advanced ID | Trade Size (in.) | Degree of Bend | Min. UL Radius (in.) | Weight (lb) per 100/per Ctn. |
|---------------------|-------------|------------------|----------------|----------------------|------------------------------|
| 1/2-EMT-ELL         | 88273102    | 1/2              | 90             | 4                    | 26 / 13                      |
| 3/4-EMT-ELL         | 88273305    | 3/4              | 90             | 4 1/2                | 46 / 23                      |
| 1-EMT-ELL           | 88273060    | 1                | 90             | 5 3/4                | 92 / 23                      |
| 1-1/4-EMT-ELL       | 88273017    | 1 1/4            | 90             | 7 1/4                | 135 / 27                     |
| 1-1/2-EMT-ELL       | 88272974    | 1 1/2            | 90             | 8 1/4                | 200 / 30                     |
| 2-EMT-ELL           | 88273191    | 2                | 90             | 9 1/2                | 280 / 28                     |
| 2-1/2-EMT-ELL       | 88273152    | 2 1/2            | 90             | 10 1/2               | 500 / 250                    |
| 3-EMT-ELL           | 88273267    | 3                | 90             | 13                   | 750 / 375                    |
| 3-1/2-EMT-ELL       | 88273232    | 3 1/2            | 90             | 15                   | 1014 / 355                   |
| 4-EMT-ELL           | 88273352    | 4                | 90             | 16                   | 1300 / 455                   |
| 1/2-45DEG-EMT-ELL   | 88273097    | 1/2              | 45             | 4                    | 26 / 13                      |
| 3/4-45DEG-EMT-ELL   | 88273300    | 3/4              | 45             | 4 1/2                | 46 / 23                      |
| 1-45DEG-EMT-ELL     | 88273055    | 1                | 45             | 5 3/4                | 92 / 23                      |
| 1-1/4-45DEG-EMT-ELL | 88273012    | 1 1/4            | 45             | 7 1/4                | 135 / 27                     |
| 1-1/2-45DEG-EMT-ELL | 88272969    | 1 1/2            | 45             | 8 1/4                | 200 / 30                     |
| 2-45DEG-EMT-ELL     | 88273186    | 2                | 45             | 9 1/2                | 280 / 28                     |
| 2-1/2-45DEG-EMT-ELL | 88273147    | 2 1/2            | 45             | 10 1/2               | 500 / 250                    |
| 3-45DEG-EMT-ELL     | 88273262    | 3                | 45             | 13                   | 750 / 375                    |
| 3-1/2-45DEG-EMT-ELL | 88273227    | 3 1/2            | 45             | 15                   | 1014 / 355                   |
| 4-45DEG-EMT-ELL     | 88273347    | 4                | 45             | 16                   | 1300/455                     |

### Rigid Galvanized Steel & Aluminum Couplings

Conduit couplings.

#### Benefits

- All Dimensions Provided Are for Descriptive Purposes Only

#### Features

- Manufactured to UL Specifications



| Mfg. No.                               | Advanced ID | Trade Size (in.) | Length (in.) * | Nominal O.D. (in.) | Weight (lb) per 100/per Ctn. |
|--|-------------|------------------|----------------|--------------------|------------------------------|
| <b>Rigid Galvanized Steel Coupling</b> |             |                  |                |                    |                              |
| 1/2-GALV-COUP                          | 88273103    | 1/2              | 1 5/8          | 1.010              | 12 / 12                      |
| 3/4-GALV-COUP                          | 88273306    | 3/4              | 1 41/64        | 1.250              | 18 / 9                       |
| 1-GALV-COUP                            | 88273061    | 1                | 1 31/32        | 1.525              | 30 / 9                       |
| 1-1/4-GALV-COUP                        | 88273018    | 1 1/4            | 2 1/32         | 1.869              | 37 / 9                       |
| 1-1/2-GALV-COUP                        | 88272975    | 1 1/2            | 2 1/16         | 2.155              | 52 / 13                      |
| 2-GALV-COUP                            | 88273192    | 2                | 2 1/8          | 2.650              | 72 / 15                      |
| 2-1/2-GALV-COUP                        | 88273153    | 2 1/2            | 3 3/16         | 3.250              | 170 / 41                     |
| 3-GALV-COUP                            | 88273268    | 3                | 3 5/16         | 3.870              | 210 / 34                     |
| 3-1/2-GALV-COUP                        | 88273233    | 3 1/2            | 3 13/32        | 4.500              | 340 / 41                     |
| 4-GALV-COUP                            | 88273353    | 4                | 3 33/64        | 4.875              | 300 / 30                     |
| 5-GALV-COUP                            | 88273385    | 5                | 3 61/64        | 6.000              | 475 / Bulk                   |
| 6-GALV-COUP                            | 88273411    | 6                | 4 1/4          | 7.200              | 765 / Bulk                   |
| <b>Rigid Aluminum Coupling</b>         |             |                  |                |                    |                              |
| 1/2-ALUM-COUP                          | 88273100    | 1/2              | 1 9/16         | 1.078              | 6 / 6                        |
| 3/4-ALUM-COUP                          | 88273303    | 3/4              | 1 5/8          | 1.328              | 9 / 5                        |
| 1-ALUM-COUP                            | 88273058    | 1                | 2              | 1.562              | 13 / 4                       |
| 1-1/4-ALUM-COUP                        | 88273015    | 1 1/4            | 2 1/16         | 1.953              | 19 / 5                       |
| 1-1/2-ALUM-COUP                        | 88272972    | 1 1/2            | 2 1/16         | 2.219              | 23 / 6                       |
| 2-ALUM-COUP                            | 88273189    | 2                | 2 1/8          | 2.750              | 35 / 7                       |
| 2-1/2-ALUM-COUP                        | 88273150    | 2 1/2            | 3 1/8          | 3.281              | 68 / 16                      |
| 3-ALUM-COUP                            | 88273265    | 3                | 3 1/4          | 3.812              | 91 / 15                      |
| 3-1/2-ALUM-COUP                        | 88273230    | 3 1/2            | 3 3/8          | 4.438              | 108 / 13                     |
| 4-ALUM-COUP                            | 88273350    | 4                | 3 1/2          | 5.000              | 142 / 14                     |
| 5-ALUM-COUP                            | 88273383    | 5                | 3 3/4          | 6.219              | 242 / -                      |
| 6-ALUM-COUP                            | 88273409    | 6                | 4              | 7.312              | 320 / -                      |

\*Minimum dimension per UL 6A for length.

# Conduit, Raceway & Fasteners

## Conduit Nipples - Straight • Conduit, Rigid Metallic Conduit (RMC)

### Rigid Steel Conduit Nipples

Close, 3 and 6 in. nipples.

#### Features

- Other Lengths Available



| Mfg. No.      | Advanced ID | Length (in.)                  | Pcs Per Carton | Weight per 100 Pieces |
|---------------|-------------|-------------------------------|----------------|-----------------------|
| 1/2-X-CLOSE   | 88273123    | 1 <sup>1</sup> / <sub>8</sub> | 25             | 6                     |
| 3/4-X-CLOSE   | 88273326    | 1 <sup>3</sup> / <sub>8</sub> | 25             | 9                     |
| 1-X-CLOSE     | 88273080    | 1 <sup>1</sup> / <sub>2</sub> | 25             | 16                    |
| 1-1/4-X-CLOSE | 88273037    | 1 <sup>5</sup> / <sub>8</sub> | 25             | 22                    |
| 1-1/2-X-CLOSE | 88272994    | 1 <sup>3</sup> / <sub>4</sub> | 25             | 28                    |
| 2-X-CLOSE     | 88273210    | 2                             | 25             | 44                    |
| 2-1/2-X-CLOSE | 88273170    | 2 <sup>3</sup> / <sub>4</sub> | Bulk           | 84                    |
| 3-X-CLOSE     | 88273285    | 2 <sup>5</sup> / <sub>8</sub> | Bulk           | 118                   |
| 3-1/2-X-CLOSE | 88273248    | 2 <sup>3</sup> / <sub>4</sub> | Bulk           | 160                   |
| 4-X-CLOSE     | 88273369    | 2 <sup>7</sup> / <sub>8</sub> | Bulk           | 180                   |
| 5-X-CLOSE     | 88273396    | 3                             | Bulk           | 240                   |
| 1/2-X-3       | 88273113    | 3                             | 25             | 19                    |
| 3/4-X-3       | 88273316    | 3                             | 25             | 24                    |
| 1-X-3         | 88273070    | 3                             | 25             | 36                    |
| 1-1/4-X-3     | 88273027    | 3                             | 25             | 47                    |
| 1-1/2-X-3     | 88272984    | 3                             | 25             | 56                    |
| 2-X-3         | 88273200    | 3                             | 25             | 72                    |
| 2-1/2-X-3     | 88273160    | 3                             | Bulk           | 100                   |
| 3-X-3         | 88273275    | 3                             | Bulk           | 130                   |
| 1/2-X-6       | 88273119    | 1 <sup>1</sup> / <sub>8</sub> | 25             | 40                    |
| 3/4-X-6       | 88273322    | 1 <sup>3</sup> / <sub>8</sub> | 25             | 52                    |
| 1-X-6         | 88273076    | 6                             | 25             | 78                    |
| 1-1/4-X-6     | 88273033    | 6                             | 25             | 100                   |
| 1-1/2-X-6     | 88272990    | 6                             | 25             | 122                   |
| 2-X-6         | 88273206    | 6                             | 25             | 160                   |
| 2-1/2-X-6     | 88273166    | 6                             | Bulk           | 240                   |
| 3-X-6         | 88273281    | 6                             | Bulk           | 300                   |
| 3-1/2-X-6     | 88273244    | 6                             | Bulk           | 373                   |
| 4-X-6         | 88273365    | 6                             | Bulk           | 440                   |
| 5-X-6         | 88273392    | 6                             | Bulk           | 600                   |

Aluminum conduit nipples are also available.

### Running Thread

Furnished in 3 ft. lengths. Made from rigid steel conduit. Also available in 6 and 10 in. lengths.

#### Features

- Type "C" Galvanized
- Electroplated Threads



| Mfg. No.          | Advanced ID | Weight per 100 Foot (lb) | Pcs Per Carton |
|-------------------|-------------|--------------------------|----------------|
| 1/2X36-RUN-THRD   | 88273140    | 62                       | 20             |
| 3/4X36-RUN-THRD   | 88273342    | 84                       | 25             |
| 1X36-RUN-THRD     | 88273145    | 103                      | 20             |
| 1-1/4X36-RUN-THRD | 88273053    | 141                      | 12             |
| 1-1/2X36-RUN-THRD | 88273010    | 180                      | 10             |
| 2X36-RUN-THRD     | 88273225    | 249                      | 8              |
| 2-1/2X36-RUN-THRD | 88273184    | 383                      | 4              |
| 3X36-RUN-THRD     | 88273345    | 496                      | 3              |
| 3-1/2X36-RUN-THRD | 88273260    | 631                      | 2              |
| 4X36-RUN-THRD     | 88273380    | 722                      | 2              |

### PVC Conduit-Schedule 40 & 80

Heavy-wall rigid plastic (PVC) conduit is designed for installation underground, in slab, encased or exposed. It offers corrosion resistance, watertight joints, light weight, high impact strength and low installation costs.

#### Features

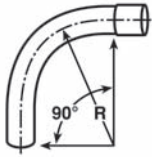
- Manufactured to NEMA TC-2, Fed. Spec WC1094A & UL 651
- Resistant to Sunlight & UL Listed for Exposed Outdoor Usage
- Carries Respective UL or ETL Listings & UL or ETL labels



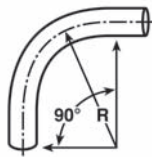
| Mfg. No.           | Advanced ID     | Trade Size (in.) | Nominal I.D. (in.) | Nominal Wall Thickness (in.) | Nominal O.D. (in.) | Weight per 100 Foot (lb) |
|--------------------|-----------------|------------------|--------------------|------------------------------|--------------------|--------------------------|
| <b>Schedule 40</b> |                 |                  |                    |                              |                    |                          |
| PVC-1/2            | <b>88215680</b> | 1/2              | 0.622              | 0.109                        | 0.840              | 17                       |
| PVC-3/4            | <b>88215685</b> | 3/4              | 0.824              | 0.113                        | 1.050              | 23                       |
| PVC-1              | <b>88215681</b> | 1                | 1.049              | 0.133                        | 1.315              | 34                       |
| PVC-1-1/4          | <b>88215679</b> | 1 1/4            | 1.380              | 0.14                         | 1.660              | 46                       |
| PVC-1-1/2          | <b>88215678</b> | 1 1/2            | 1.610              | 0.145                        | 1.900              | 53                       |
| PVC-2              | <b>88215683</b> | 2                | 2.067              | 0.154                        | 2.375              | 73                       |
| PVC-2-1/2          | <b>88215682</b> | 2 1/2            | 2.469              | 0.203                        | 2.875              | 125                      |
| PVC-3              | <b>88215686</b> | 3                | 3.068              | 0.216                        | 3.500              | 164                      |
| PVC-3-1/2          | <b>88215684</b> | 3 1/2            | 3.548              | 0.226                        | 4.000              | 198                      |
| PVC-4              | <b>88215687</b> | 4                | 4.026              | 0.237                        | 4.500              | 234                      |
| PVC-5              | <b>88215688</b> | 5                | 5.047              | 0.258                        | 5.563              | 318                      |
| PVC-6              | <b>88215689</b> | 6                | 60.65              | 0.28                         | 6.625              | 412                      |
| PVC-3/4-20         | <b>88215697</b> | 3/4              | 0.824              | 0.113                        | 1.050              | 23                       |
| PVC-1-20           | <b>88215693</b> | 1                | 1.049              | 0.133                        | 1.315              | 34                       |
| PVC-1-1/4-20       | <b>88215691</b> | 1 1/4            | 1.380              | 0.14                         | 1.660              | 46                       |
| PVC-1-1/2-20       | <b>88215690</b> | 1 1/2            | 1.610              | 0.145                        | 1.900              | 53                       |
| PVC-2-20           | <b>88215695</b> | 2                | 2.067              | 0.154                        | 2.375              | 73                       |
| PVC-2-1/2-20       | <b>88215694</b> | 2 1/2            | 2.469              | 0.203                        | 2.875              | 125                      |
| PVC-3-20           | <b>88215698</b> | 3                | 3.068              | 0.216                        | 3.500              | 164                      |
| PVC-3-1/2-20       | <b>88215696</b> | 3 1/2            | 3.548              | 0.226                        | 4.000              | 198                      |
| PVC-4-20           | <b>88215699</b> | 4                | 4.026              | 0.237                        | 4.500              | 234                      |
| PVC-5-20           | <b>88215700</b> | 5                | 5.047              | 0.258                        | 5.563              | 318                      |
| PVC-6-20           | <b>88215701</b> | 6                | 60.65              | 0.28                         | 6.625              | 412                      |
| <b>Schedule 80</b> |                 |                  |                    |                              |                    |                          |
| PVC-80-1/2         | <b>88215737</b> | 1/2              | 0.546              | 0.147                        | 0.840              | 22                       |
| PVC-80-3/4         | <b>88215741</b> | 3/4              | 0.742              | 0.157                        | 1.050              | 29                       |
| PVC-80-1           | <b>88215738</b> | 1                | 0.957              | 0.179                        | 1.315              | 43                       |
| PVC-80-1-1/4       | <b>88215736</b> | 1 1/4            | 1.278              | 0.191                        | 1.660              | 59                       |
| PVC-80-1-1/2       | <b>88215735</b> | 1 1/2            | 1.500              | 0.2                          | 1.900              | 72                       |
| PVC-80-2           | <b>88215740</b> | 2                | 1.939              | 0.218                        | 2.375              | 99                       |
| PVC-80-2-1/2       | <b>88215739</b> | 2 1/2            | 2.323              | 0.276                        | 2.875              | 152                      |
| PVC-80-3           | <b>88215742</b> | 3                | 2.900              | 0.3                          | 3.500              | 212                      |
| PVC-80-4           | <b>88215743</b> | 4                | 3.826              | 0.337                        | 4.500              | 310                      |
| PVC-80-5           | <b>88215744</b> | 5                | 4.813              | 0.375                        | 5.563              | 431                      |

### Elbows

Carlton



PVC Elbows Belled End



PVC Elbows Plain End

Rigid, non-metallic 90° elbows are impact resistant and manufactured to NEMA TC-2 standards. Consult factory for special radius, sizes and configurations.

#### Features

- For Underground and Aboveground Applications
- Listed for Exposed or Outdoor Usage
- Resistant to Sunlight
- Non-Metallic Fittings Will Not Rust or Corrode
- Fittings Are Nonconductive
- UL or ETL Listings
- Available in Plain or Belled Ends
- Special Radius Elbows Available on Request

| Mfg. No.                                  | Advanced ID     | Trade Size | Radius     | Connection Type   |
|---|-----------------|------------|------------|-------------------|
| <b>Schedule 40 Elbows Standard Radius</b> |                 |            |            |                   |
| UA9AD                                     | <b>22120343</b> | 1/2 in.    | 4 in.      | Plain End         |
| UA9AE                                     | <b>88055263</b> | 3/4 in.    | 4 1/2 in.  | Plain End         |
| UA9AF                                     | <b>88055264</b> | 1 in.      | 5 3/4 in.  | Plain End         |
| UA9AG                                     | <b>88055265</b> | 1 1/4 in.  | 7 1/4 in.  | Plain End         |
| UA9AH                                     | <b>88055266</b> | 1 1/2 in.  | 8 1/4 in.  | Plain End         |
| UA9AJ                                     | <b>88055267</b> | 2 in.      | 9 1/2 in.  | Plain End         |
| UA9AK-CAR                                 | <b>88055269</b> | 2 1/2 in.  | 10 1/2 in. | Plain End         |
| UA9AL                                     | <b>88055271</b> | 3 in.      | 13 in.     | Plain End         |
| UA9AM                                     | <b>88055273</b> | 3 1/2 in.  | 15 in.     | Plain End         |
| UA9AN                                     | <b>88055274</b> | 4 in.      | 16 in.     | Plain End         |
| UA9AP                                     | <b>88055276</b> | 5 in.      | 24 in.     | Plain End         |
| UA9AR                                     | <b>88055277</b> | 6 in.      | 30 in.     | Plain End         |
| UA9ADB                                    | <b>91025027</b> | 1/2 in.    | 4 in.      | Belled End Socket |
| UA9AEB                                    | <b>91025025</b> | 3/4 in.    | 4 1/2 in.  | Belled End Socket |
| UA9AFB                                    | <b>91025026</b> | 1 in.      | 5 3/4 in.  | Belled End Socket |
| UA9AGB                                    | <b>88303051</b> | 1 1/4 in.  | 7 1/4 in.  | Belled End Socket |
| UA9AHB                                    | <b>88303052</b> | 1 1/2 in.  | 8 1/4 in.  | Belled End Socket |
| UA9AJB                                    | <b>88055268</b> | 2 in.      | 9 1/2 in.  | Belled End Socket |
| UA9AKB-CAR                                | <b>88055270</b> | 2 1/2 in.  | 10 1/2 in. | Belled End Socket |
| UA9ALB-CAR                                | <b>88055272</b> | 3 in.      | 13 in.     | Belled End Socket |
| UA9AMB                                    | <b>88303053</b> | 3 1/2 in.  | 15 in.     | Belled End Socket |
| UA9ANB                                    | <b>88055275</b> | 4 in.      | 16 in.     | Belled End Socket |
| UA9APB                                    | <b>90042780</b> | 5 in.      | 24 in.     | Belled End Socket |
| UA9ARB                                    | <b>91025030</b> | 6 in.      | 30 in.     | Belled End Socket |
| <b>Schedule 80 Elbows Standard Radius</b> |                 |            |            |                   |
| UB9AD                                     | <b>88055343</b> | 1/2 in.    | 4 in.      | Plain End         |
| UB9AE                                     | <b>88055344</b> | 3/4 in.    | 4 1/2 in.  | Plain End         |
| UB9AF                                     | <b>88055345</b> | 1 in.      | 5 3/4 in.  | Plain End         |
| UB9AG                                     | <b>88055346</b> | 1 1/4 in.  | 7 1/4 in.  | Plain End         |
| UB9AH                                     | <b>88055347</b> | 1 1/2 in.  | 8 1/4 in.  | Plain End         |
| UB9AJ                                     | <b>88055348</b> | 2 in.      | 9 1/2 in.  | Plain End         |
| UB9AK                                     | <b>8855349</b>  | 2 1/2 in.  | 10 1/2 in. | Plain End         |

Continued ►

| Mfg. No.                                  | Advanced ID     | Trade Size | Radius | Connection Type |
|---|-----------------|------------|--------|-----------------|
| <b>Schedule 80 Elbows Standard Radius</b> |                 |            |        |                 |
| UB9AL-CAR                                 | <b>88055350</b> | 3 in.      | 13 in. | Plain End       |
| UB9AN                                     | <b>88055351</b> | 4 in.      | 16 in. | Plain End       |
| UB9AP                                     | <b>88055352</b> | 5 in.      | 24 in. | Plain End       |
| UB9AR                                     | <b>88055353</b> | 6 in.      | 30 in. | Plain End       |

### Adapters

Carlton



Female Adapters



Male Adapters

PVC male and female adapters are corrosion resistant, light weight, easy to install and are listed to UL651. Female adapters for adapting non-metallic conduit to threaded fittings, boxes and metallic systems.

#### Features

- For Underground and Aboveground Applications (Service Entrance Caps for Aboveground Applications Only)
- Listed for Exposed or Outdoor Usage
- Resistant to Sunlight
- Non-Metallic Fittings Will Not Rust or Corrode
- Fittings Are Nonconductive
- UL Listed

| Mfg. No.                      | Advanced ID     | Size      |
|-------------------------------|-----------------|-----------|
| <b>Female Adapters</b>        |                 |           |
| E942D                         | <b>88054567</b> | 1/2 in.   |
| E942E                         | <b>88054568</b> | 3/4 in.   |
| E942F                         | <b>88054569</b> | 1 in.     |
| E942G                         | <b>88054570</b> | 1 1/4 in. |
| E942H                         | <b>88054571</b> | 1 1/2 in. |
| E942J                         | <b>88054572</b> | 2 in.     |
| E942K-CAR                     | <b>88054573</b> | 2 1/2 in. |
| E942L-CAR                     | <b>88054574</b> | 3 in.     |
| E942M                         | <b>88054575</b> | 3 1/2 in. |
| E942N-CAR                     | <b>88054576</b> | 4 in.     |
| E942P                         | <b>88054577</b> | 5 in.     |
| E942R                         | <b>88054578</b> | 6 in.     |
| <b>Male Terminal Adapters</b> |                 |           |
| E943D                         | <b>88054579</b> | 1/2 in.   |
| E943E                         | <b>88054581</b> | 3/4 in.   |
| E943F                         | <b>88054583</b> | 1 in.     |
| E943G                         | <b>88054585</b> | 1 1/4 in. |
| E943H                         | <b>88054587</b> | 1 1/2 in. |
| E943J                         | <b>88054589</b> | 2 in.     |
| E943K-CAR                     | <b>88054591</b> | 2 1/2 in. |
| E943L-CAR                     | <b>88054592</b> | 3 in.     |
| E943M                         | <b>88054593</b> | 3 1/2 in. |
| E943N-CAR                     | <b>88054594</b> | 4 in.     |
| E943P                         | <b>88054595</b> | 5 in.     |
| E943R                         | <b>88054596</b> | 6 in.     |



### Non-Metallic Conduit Couplings

Carlton



Standard Coupling



Standard Expansion Coupling

Plus 40 and Plus 80 PVC straight couplings are corrosion resistant, light weight and easy to install and are manufactured to NEMA TC-3.

#### Features

- For Underground and Aboveground Applications
- Listed for Exposed or Outdoor Usage
- Resistant to Sunlight
- Non-Metallic Fittings Will Not Rust or Corrode
- Fittings are Nonconductive
- UL Listed
- X Series Have a Male Adapter End
- E945 Series Expand Up to 6 in. for Temperature
- E945 Series Fit Schedule 40 & 80 Conduit
- 4" Travel Length for 1/2"-1 1/2"
- 8" Travel Length for 2"-6"

| Mfg. No.                  | Advanced ID | Trade Size | Connection Type |
|---------------------------|-------------|------------|-----------------|
| <b>Standard Couplings</b> |             |            |                 |
| E940D                     | 88054553    | 1/2 in.    | Socket Type     |
| E940E                     | 88054554    | 3/4 in.    | Socket Type     |
| E940F                     | 88054555    | 1 in.      | Socket Type     |
| E940G                     | 88054556    | 1 1/4 in.  | Socket Type     |
| E940H                     | 88054557    | 1 1/2 in.  | Socket Type     |
| E940J                     | 88054558    | 2 in.      | Socket Type     |
| E940K-CAR                 | 88054559    | 2 1/2 in.  | Socket Type     |
| E940L-CAR                 | 88054560    | 3 in.      | Socket Type     |
| E940M                     | 88054561    | 3 1/2 in.  | Socket Type     |
| E940N-CAR                 | 88054562    | 4 in.      | Socket Type     |
| E940P                     | 88054563    | 5 in.      | Socket Type     |
| E940R                     | 88054564    | 6 in.      | Socket Type     |

#### Special Long Line Couplings

|        |          |           |             |
|--------|----------|-----------|-------------|
| E941H  | 97172354 | 1 1/2 in. | Socket Type |
| E941K  | 97171440 | 2 1/2 in. | Socket Type |
| E941L  | 88054566 | 3 in.     | Socket Type |
| E941N  | 89010103 | 4 in.     | Socket Type |
| E941RF | 96094556 | 6 in.     | Socket Type |

| Mfg. No.                           | Advanced ID | Trade Size | Connection Type       |
|------------------------------------|-------------|------------|-----------------------|
| <b>Standard Expansion Coupling</b> |             |            |                       |
| E945D                              | 88054597    | 1/2 in.    | Socket Type           |
| E945DX                             | 25002245    | 1/2 in.    | Male Terminal Adapter |
| E945E                              | 88054598    | 3/4 in.    | Socket Type           |
| E945EX                             | 25002247    | 3/4 in.    | Male Terminal Adapter |
| E945F                              | 88054599    | 1 in.      | Socket Type           |
| E945FX                             | 25002248    | 1 in.      | Male Terminal Adapter |
| E945G                              | 88054600    | 1 1/4 in.  | Socket Type           |
| E945GX                             | 25002250    | 1 1/4 in.  | Male Terminal Adapter |
| E945H                              | 88054601    | 1 1/2 in.  | Socket Type           |
| E945HX                             | 25002251    | 1 1/2 in.  | Male Terminal Adapter |
| E945J                              | 88054602    | 2 in.      | Socket Type           |
| E945JX                             | 25002252    | 2 in.      | Male Terminal Adapter |
| E945K                              | 88054603    | 2 1/2 in.  | Socket Type           |
| E945L                              | 88054604    | 3 in.      | Socket Type           |
| E945M                              | 88054605    | 3 1/2 in.  | Socket Type           |
| E945MX                             | 25002255    | 3 1/2 in.  | Male Terminal Adapter |
| E945N                              | 88054606    | 4 in.      | Socket Type           |
| E945NX                             | 25002256    | 4 in.      | Male Terminal Adapter |
| E945P                              | 88054607    | 5 in.      | Socket Type           |
| E945PX                             | 25002257    | 5 in.      | Male Terminal Adapter |
| E945R                              | 88054608    | 6 in.      | Socket Type           |
| E945RX                             | 25002258    | 6 in.      | Male Terminal Adapter |

# Conduit, Raceway & Fasteners

## Conduit Bodies, Standard - Non-Metallic • Conduit Bushings, Non-Metallic

### Rigid Non-Metallic Conduit Bodies

Carlton



Type T



Type LB

#### Features

- UL Listed
- Hubs Are Not Threaded
- Textured Lids
- Foam-in-Place Gasket

| Mfg. No.       | Advanced ID     | Hub Size  | For Use With         |
|----------------|-----------------|-----------|----------------------|
| <b>Type X</b>  |                 |           |                      |
| E970CD         | <b>88054666</b> | 1/2 in.   | Non-Metallic Conduit |
| E970CE         | <b>88054667</b> | 3/4 in.   | Non-Metallic Conduit |
| <b>Type T</b>  |                 |           |                      |
| E983D-CAR      | <b>88054731</b> | 1/2 in.   | Non-Metallic Conduit |
| E983E-CAR      | <b>88054732</b> | 3/4 in.   | Non-Metallic Conduit |
| E983F          | <b>88054733</b> | 1 in.     | Non-Metallic Conduit |
| E983G          | <b>88054734</b> | 1 1/4 in. | Non-Metallic Conduit |
| E983H-CAR      | <b>88054735</b> | 1 1/2 in. | Non-Metallic Conduit |
| E983J          | <b>88054736</b> | 2 in.     | Non-Metallic Conduit |
| <b>Type LL</b> |                 |           |                      |
| E984D-CAR      | <b>88054737</b> | 1/2 in.   | Non-Metallic Conduit |
| E984E-CAR      | <b>88054738</b> | 3/4 in.   | Non-Metallic Conduit |
| E984F-CAR      | <b>88054739</b> | 1 in.     | Non-Metallic Conduit |
| E984G-CAR      | <b>88054740</b> | 1 1/4 in. | Non-Metallic Conduit |
| E984H-CAR      | <b>88054741</b> | 1 1/2 in. | Non-Metallic Conduit |
| E984J          | <b>88054742</b> | 2 in.     | Non-Metallic Conduit |
| <b>Type LR</b> |                 |           |                      |
| E985D-CAR      | <b>88054743</b> | 1/2 in.   | Non-Metallic Conduit |
| E985E-CAR      | <b>88054744</b> | 3/4 in.   | Non-Metallic Conduit |
| E985F-CAR      | <b>88054745</b> | 1 in.     | Non-Metallic Conduit |
| E985G-CAR      | <b>88054746</b> | 1 1/4 in. | Non-Metallic Conduit |
| E985H-CAR      | <b>88054747</b> | 1 1/2 in. | Non-Metallic Conduit |
| E985J          | <b>88054748</b> | 2 in.     | Non-Metallic Conduit |
| <b>Type LB</b> |                 |           |                      |
| E986D-CAR      | <b>88054749</b> | 1/2 in.   | Non-Metallic Conduit |
| E986E-CAR      | <b>88054750</b> | 3/4 in.   | Non-Metallic Conduit |
| E986F-CAR      | <b>88054751</b> | 1 in.     | Non-Metallic Conduit |
| E986G-CAR      | <b>88054752</b> | 1 1/4 in. | Non-Metallic Conduit |
| E986H-CAR      | <b>88054753</b> | 1 1/2 in. | Non-Metallic Conduit |
| E986J          | <b>88054754</b> | 2 in.     | Non-Metallic Conduit |
| E986K          | <b>88054755</b> | 2 1/2 in. | Non-Metallic Conduit |
| E986L          | <b>88054756</b> | 3 in.     | Non-Metallic Conduit |
| E986M          | <b>88054757</b> | 3 1/2 in. | Non-Metallic Conduit |
| E986N          | <b>88054758</b> | 4 in.     | Non-Metallic Conduit |
| <b>Type C</b>  |                 |           |                      |
| E987D-CAR      | <b>88054759</b> | 1/2 in.   | Non-Metallic Conduit |
| E987E-CAR      | <b>88054760</b> | 3/4 in.   | Non-Metallic Conduit |
| E987F-CAR      | <b>88054761</b> | 1 in.     | Non-Metallic Conduit |
| E987G-CAR      | <b>88054762</b> | 1 1/4 in. | Non-Metallic Conduit |
| E987H-CAR      | <b>88054763</b> | 1 1/2 in. | Non-Metallic Conduit |
| E987J          | <b>88054764</b> | 2 in.     | Non-Metallic Conduit |

Continued ➤

| Mfg. No.      | Advanced ID     | Hub Size  | For Use With         |
|---------------|-----------------|-----------|----------------------|
| <b>Type E</b> |                 |           |                      |
| E988D-CAR     | <b>88054767</b> | 1/2 in.   | Non-Metallic Conduit |
| E988E         | <b>88054768</b> | 3/4 in.   | Non-Metallic Conduit |
| E988F-CAR     | <b>88054769</b> | 1 in.     | Non-Metallic Conduit |
| E988G-CAR     | <b>88054770</b> | 1 1/4 in. | Non-Metallic Conduit |
| E988H-CAR     | <b>88054771</b> | 1 1/2 in. | Non-Metallic Conduit |
| E988J         | <b>88054772</b> | 2 in.     | Non-Metallic Conduit |

### Reducer Bushings

Carlton



Reducer Bushings



Fabricated Reducers

Reducer bushings and fabricated reducers are corrosion resistant, light weight, easy to install and are manufactured to NEMA TC-3.

#### Features

- For Underground and Aboveground Applications
- For Exposed or Outdoor Usage
- Resistant to Sunlight
- Polyethylene Fittings Will Not Rust or Corrode
- Fittings Are Nonconductive
- Reducer Bushings Are UL Listed

| Mfg. No.                   | Advanced ID     | Trade Size        | Connection Type  |
|----------------------------|-----------------|-------------------|------------------|
| <b>Reducer Bushings</b>    |                 |                   |                  |
| E950ED                     | <b>88054618</b> | 3/4 x 1/2 in.     | Bell X Spigot    |
| E950FD-CAR                 | <b>88054619</b> | 1 x 1/2 in.       | Bell X Spigot    |
| E950FE                     | <b>88054620</b> | 1 x 3/4 in.       | Bell X Spigot    |
| E950GE-CAR                 | <b>88054621</b> | 1 1/4 x 3/4 in.   | Bell X Spigot    |
| E950GF                     | <b>88054622</b> | 1 1/4 x 1 in.     | Bell X Spigot    |
| E950HF-CAR                 | <b>25054803</b> | 1 1/2 x 1 in.     | Bell X Spigot    |
| E950HG-CAR                 | <b>88054624</b> | 1 1/2 x 1 1/4 in. | Bell X Spigot    |
| E950JG-CAR                 | <b>88054625</b> | 2 x 1 1/4 in.     | Bell X Spigot    |
| E950JH-CAR                 | <b>88054626</b> | 2 x 1 1/2 in.     | Bell X Spigot    |
| E950KJ-CAR                 | <b>88054627</b> | 2 1/2 x 2 in.     | Bell X Spigot    |
| E950LJ-CAR                 | <b>88054628</b> | 3 x 2 in.         | Bell X Spigot    |
| E950LK                     | <b>88054629</b> | 3 x 2 1/2 in.     | Bell X Spigot    |
| E950NL                     | <b>88054630</b> | 4 x 3 in.         | Bell X Spigot    |
| <b>Fabricated Reducers</b> |                 |                   |                  |
| E952KJ                     | <b>93162784</b> | 2 1/2 x 2 in.     | Male X Male Slip |
| E952LJ                     | <b>88054637</b> | 3 x 2 in.         | Male X Male Slip |
| E952LK                     | <b>89021543</b> | 3 x 2 1/2 in.     | Male X Male Slip |
| E952NL                     | <b>88054638</b> | 4 x 3 in.         | Male X Male Slip |
| E952PN                     | <b>88303059</b> | 5 x 4 in.         | Male X Male Slip |
| E952RP                     | <b>96066108</b> | 6 x 5 in.         | Male X Male Slip |

### Non-Metallic Conduit Caps

Carlton



Service Entrance Caps



Caps

End caps and service entrance caps are corrosion resistant, light weight, easy to install and are manufactured to NEMA TC-3 service entrance caps and listed to UL5146. Service caps have a variety of wire openings.

#### Features

- For Underground and Aboveground Applications (Service Entrance Caps for Aboveground Applications Only)
- For Exposed or Outdoor Usage
- Resistant to Sunlight
- Non-Metallic Fittings Will Not Rust or Corrode
- Fittings Are Nonconductive
- Service Entrance Heads Are UL Listed
- Service Entrance Caps Have Wire Openings

| Mfg. No.                     | Advanced ID              | Opening                  | Trade Size |
|------------------------------|--------------------------|--------------------------|------------|
| <b>Service Entrance Caps</b> |                          |                          |            |
| E998D                        | <a href="#">25054933</a> | 5@ .45 in.               | 1/2 in.    |
| E998E-CAR                    | <a href="#">88054822</a> | 5@ .45 in.               | 3/4 in.    |
| E998F-CAR                    | <a href="#">88054823</a> | 3@ .59 in., 2@ .58 in.   | 1 in.      |
| E998G-CAR                    | <a href="#">88054824</a> | 3@ .74 in., 3@ .71 in.   | 1 1/4 in.  |
| E998H-CAR                    | <a href="#">88054825</a> | 3@ .74 in., 3@ .71 in.   | 1 1/2 in.  |
| E998J                        | <a href="#">88054826</a> | 3@ .83 in., 3@ .78 in.   | 2 in.      |
| E998K-UPC                    | <a href="#">88054827</a> | 3@ 1.70 in., 3@ 1.31 in. | 2 1/2 in.  |
| E998L                        | <a href="#">88054828</a> | 3@ 1.70 in., 3@ 1.31 in. | 3 in.      |
| E998N                        | <a href="#">88054829</a> | 3@ 2.25 in., 3@ 1.88 in. | 4 in.      |
| <b>End Caps</b>              |                          |                          |            |
| E958D                        | <a href="#">88054646</a> | Gray - Blank             | 1/2 in.    |
| E958E                        | <a href="#">88054647</a> | Gray - Blank             | 3/4 in.    |
| E958F                        | <a href="#">88054648</a> | Gray - Blank             | 1 in.      |
| E958G                        | <a href="#">88054649</a> | Gray - Blank             | 1 1/4 in.  |
| E958H                        | <a href="#">88054650</a> | Gray - Blank             | 1 1/2 in.  |
| E958J                        | <a href="#">88319543</a> | Gray - Blank             | 2 in.      |
| E958K                        | <a href="#">91007284</a> | White - Blank            | 2 1/2 in.  |
| E958L                        | <a href="#">88319544</a> | White - Blank            | 3 in.      |
| E958N                        | <a href="#">88319545</a> | White - Blank            | 4 in.      |
| E958P                        | <a href="#">91025028</a> | White - Blank            | 5 in.      |
| E958R                        | <a href="#">88318907</a> | White - Blank            | 6 in.      |

### Meter Offsets

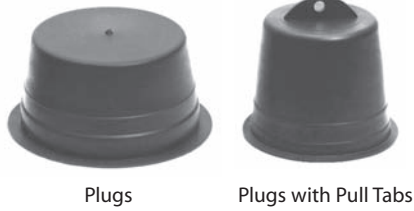
Carlton



| Mfg. No. | Advanced ID              | Type         | Trade Size | Offset    | Length   | For Use With         |
|----------|--------------------------|--------------|------------|-----------|----------|----------------------|
| E995G    | <a href="#">88054800</a> | Non-Metallic | 1 1/4 in.  | 0.758 in. | 4.23 in. | Non-Metallic Conduit |
| E995J    | <a href="#">88054801</a> | Non-Metallic | 2 in.      | 0.684 in. | 4.27 in. | Non-Metallic Conduit |

### Non-Metallic Conduit Plugs

Carlton



Plugs

Plugs with Pull Tabs

Polyethylene, corrosion resistant, impact resistant, non-metallic conduit plugs. With and without pull tabs.

#### Features

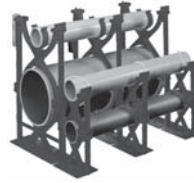
- For Underground and Aboveground Applications
- For Exposed or Outdoor Usage
- Resistant to Sunlight
- Non-Metallic Fittings Will Not Rust or Corrode
- Fittings Are Nonconductive

| Mfg. No.                    | Advanced ID     | Trade Size | Type           |
|-----------------------------|-----------------|------------|----------------|
| P258H                       | <b>88054954</b> | 1½ in.     | Standard       |
| P258K                       | <b>88054957</b> | 2½ in.     | Standard       |
| <b>Plugs With Pull Tabs</b> |                 |            |                |
| P258JT                      | <b>88054956</b> | 2 in.      | With Pull Tabs |
| P258LT                      | <b>88054959</b> | 3 in.      | With Pull Tabs |
| P258NT                      | <b>88054962</b> | 4 in.      | With Pull Tabs |
| P258RT                      | <b>88054967</b> | 6 in.      | With Pull Tabs |

### Snap-Loc® Spacers

Carlton

Carlton Snap-Loc spacers provide stability, consistent separation and relieve direct stress for duct materials to be encased in concrete and direct bury applications.



A side dovetail rail and groove design allows for side-by-side interchangeability of conduit spacer sizes while maintaining horizontal stability. Locking keyways incorporated into intermediate spacers eliminate the need for costly top spacers in each size. The locking keyways provide for the use of a beaded strap that secures the top section of conduit. The Snap-Loc Rebar Holder provides stabilization on large banks of spacers, and 1 and 2 in. Snap-Loc Reducers allow fixturing of 1 or 2 in. conduit inside larger spacers. Non-Metallic Snap-Loc Spacers are designed specifically for use with non-metallic duct, with maximum O.D. dimensions as specified in NEMA TC-2, TC-6 and 8, TC-10 and ASTM F512.

| Mfg. No.                    | Advanced ID     | Trade Size | Separation |
|-----------------------------|-----------------|------------|------------|
| <b>Base Spacers</b>         |                 |            |            |
| S288JHN                     | <b>90041363</b> | 2 in.      | 1½ in.     |
| S288JLN                     | <b>90042985</b> | 2 in.      | 3 in.      |
| S288LHN                     | <b>90056915</b> | 3 in.      | 1½ in.     |
| S288LLN                     | <b>90042987</b> | 3 in.      | 3 in.      |
| S288NFN                     | <b>90056916</b> | 4 in.      | 1 in.      |
| S288NHN                     | <b>90042988</b> | 4 in.      | 1½ in.     |
| S288NLN                     | <b>90057790</b> | 4 in.      | 3 in.      |
| S288PHN                     | <b>90056917</b> | 5 in.      | 1½ in.     |
| S288PLN                     | <b>90042991</b> | 5 in.      | 3 in.      |
| S288RHN                     | <b>90042992</b> | 6 in.      | 1½ in.     |
| S288RLN                     | <b>90056936</b> | 6 in.      | 3 in.      |
| <b>Intermediate Spacers</b> |                 |            |            |
| S289JHN                     | <b>90041362</b> | 2 in.      | 1½ in.     |
| S289JLN                     | <b>90042993</b> | 2 in.      | 3 in.      |
| S289LHN                     | <b>90056924</b> | 3 in.      | 1½ in.     |
| S289LLN                     | <b>90042995</b> | 3 in.      | 3 in.      |
| S289NFN                     | <b>90056914</b> | 4 in.      | 1 in.      |
| S289NHN                     | <b>90042996</b> | 4 in.      | 1½ in.     |
| S289NLN                     | <b>90042997</b> | 4 in.      | 3 in.      |
| S289PHN                     | <b>90056923</b> | 5 in.      | 1½ in.     |
| S289PLN                     | <b>90042999</b> | 5 in.      | 3 in.      |
| S289RHN                     | <b>90043000</b> | 6 in.      | 1½ in.     |
| S289RLN                     | <b>90056933</b> | 6 in.      | 3 in.      |
| S289SHN                     | <b>22120358</b> | 8 in.      | 1½ in.     |

Other sizes available

### Snap-N-Stack™ Combo Spacers

Carlton



Snap-N-Stack Spacers

Snap-N-Stack Assembly

Carlton Snap-N-Stack Combo Underground Duct Spacers are specifically designed to replace the two-piece base and intermediate spacer system by combining the conventional base and intermediate spacer into a single unit.

Carlton Snap-N-Stack Spacers are available in duct sizes 2, 4 and 6 in. and can be installed horizontally, vertically or turned upright for unique duct bank configurations. This NEW one-piece design makes underground duct bank installations faster and easier than the conventional two-piece system—saving material and labor costs.

#### Features

- Installs Horizontally or Turned Upright
- Molded-In Rebar Holder
- Reducer to Accommodate Smaller Duct Sizes
- Can be Used as Either an Intermediate or Base Spacer
- Spacers Interlock Horizontally Regardless of Size
- Non-Metallic, Non-Corrosive and Non-Conductive
- Strong and Durable
- Easy to Handle, Fast Installation
- For Use with Non-Metallic Conduit

| Mfg. No. | Advanced ID     | Trade Size | Separation |
|----------|-----------------|------------|------------|
| SP3W20-2 | <b>25045242</b> | 3 in.      | 2 in.      |
| SP3W30-2 | <b>25045243</b> | 3 in.      | 3 in.      |
| SP4W15-2 | <b>25002262</b> | 4 in.      | 1½ in.     |
| SP4W20-2 | <b>25002263</b> | 4 in.      | 2 in.      |
| SP4W30-2 | <b>25002264</b> | 4 in.      | 3 in.      |
| SP5W20-2 | <b>25045244</b> | 5 in.      | 2 in.      |
| SP5W30-2 | <b>25045245</b> | 5 in.      | 3 in.      |
| SP6W20-2 | <b>25002265</b> | 6 in.      | 2 in.      |
| SP6W30-2 | <b>25002266</b> | 6 in.      | 3 in.      |
| SP2W30-2 | <b>25002261</b> | 2 in.      | 3 in.      |

Other sizes available

### Rigid Non-Metallic Conduit Clamps and Support Straps

Carlton



E977 Clamp



E978 Single Mount Strap



E978 Double Mount Strap

Carlton Rigid Non-Metallic Conduit Clamps offer the same chemical resistance as non-metallic conduits for a complete, corrosion-resistant system. Carlton Snap Strap® Non-Metallic Conduit Support Straps offer a unique strap designed especially for the installation of PVC conduit. Also usable for installations of rigid steel. This high-strength, non-metallic strap allows conduit to expand and contract freely, eliminating the bowing commonly seen from the expansion and contraction of conduit caused by varying temperature changes. Finished installations have a neat, attractive appearance on exposed applications.

Note: To be used in accordance with conduit spacing requirements per the NEC, Section 352.30.

| Mfg. No.   | Advanced ID              | Trade Size | Separation |
|--|--------------------------|------------|------------|
| <b>Conduit Clamps - PVC Conduit</b>                                    |                          |            |            |
| E977DC   | <a href="#">88054685</a> | 1/2 in.    | -          |
| E977EC   | <a href="#">88054686</a> | 3/4 in.    | -          |
| E977FC   | <a href="#">88054687</a> | 1 in.      | -          |
| E977GC   | <a href="#">88054688</a> | 1 1/4 in.  | -          |
| E977HC   | <a href="#">88054689</a> | 1 1/2 in.  | -          |
| E977JC   | <a href="#">88054690</a> | 2 in.      | -          |
| <b>Snap Strap® Conduit Support Straps - PVC or Rigid Steel Conduit</b> |                          |            |            |
| E978DC-CAR   | <a href="#">88054691</a> | 1/2 in.    | -          |
| E978EC-CAR   | <a href="#">88054692</a> | 3/4 in.    | -          |
| E978FC-CAR   | <a href="#">88054693</a> | 1 in.      | -          |
| E978GC-CAR   | <a href="#">88054694</a> | 1 1/4 in.  | -          |
| E978HC-CAR   | <a href="#">88054695</a> | 1 1/2 in.  | -          |
| E978JC-CAR   | <a href="#">88054696</a> | 2 in.      | -          |

### Split Duct

Carlton

Carlton Split Duct is the fast and easy way to repair broken ductwork without the costly cutting and resplicing of your conductors. The unique tongue-and-groove design leads the industry in providing a strong, rigid solution for duct repair situations.

The interlocking design allows the split duct sections to be staggered and butted together. Joints may be sealed with tape and reinforced with plastic or metallic straps to produce a rigid, stable unit.

Manufactured from a compound designed specifically for power and telecommunications applications, Carlton Split Duct exhibits superior impact strength.



| Mfg. No.    | Advanced ID              | Trade Size | Schedule    | Outside Diameter | Material | Length |
|-------------|--------------------------|------------|-------------|------------------|----------|--------|
| 49011SD-010 | <a href="#">92126220</a> | 2 in.      | Schedule 40 | 2.375 in.        | PVC      | 10 ft. |
| 49012SD-010 | <a href="#">97217865</a> | 2 1/2 in.  | Schedule 40 | 2.875 in.        | PVC      | 10 ft. |
| 49013SD-010 | <a href="#">93159728</a> | 3 in.      | Schedule 40 | 3.500 in.        | PVC      | 10 ft. |
| 49014SD-010 | <a href="#">96070676</a> | 3 1/2 in.  | Schedule 40 | 4.000 in.        | PVC      | 10 ft. |
| 49015SD-010 | <a href="#">90080804</a> | 4 in.      | Schedule 40 | 4.500 in.        | PVC      | 10 ft. |
| 49016SD-010 | <a href="#">94009528</a> | 5 in.      | Schedule 40 | 5.563 in.        | PVC      | 10 ft. |
| 49017SD-010 | <a href="#">93159723</a> | 6 in.      | Schedule 40 | 6.625 in.        | PVC      | 10 ft. |



### PV-Mold® Non-Metallic Pole Riser System

#### Carlton

Carlton PV-Mold is a non-metallic pole riser system designed to protect communications and power cable installed on poles.

#### Features

- Meets or Exceeds NESC Requirements
- Designed in Accordance with NEMA TC-19 Specifications
- Ultraviolet, Cold Temperature and Corrosive Atmosphere Resistant
- Schedule 40 Wall Meets Schedule 80 PVC Conduit Impact Requirements Per NEMA TC-19
- Belled End Fits Over Each Added Section of Conduit
- PV-Mold Acts as an Insulator Against Electrical Shock
- Interchangeable Parts and Accessories
- RUS Listed



| Mfg. No.   | Advanced ID              | Type         | Trade Size | Material                             | Length    | Connection Type |
|--|--------------------------|--------------|------------|--------------------------------------|-----------|-----------------|
| <b>PV-Mold - Standard Duty</b>                         |                          |              |            |                                      |           |                 |
| 59208N   | <a href="#">90056913</a> | Non-Metallic | 1 in.      | Standard Duty Plastic                | 10 ft.    | Belled Ends     |
| 59211N   | <a href="#">90056931</a> | Non-Metallic | 2 in.      | Standard Duty Plastic                | 10 ft.    | Belled Ends     |
| 59213N   | <a href="#">90056922</a> | Non-Metallic | 3 in.      | Standard Duty Plastic                | 10 ft.    | Belled Ends     |
| 59215N   | <a href="#">90056921</a> | Non-Metallic | 4 in.      | Standard Duty Plastic                | 10 ft.    | Belled Ends     |
| 59216N   | <a href="#">90056929</a> | Non-Metallic | 5 in.      | Standard Duty Plastic                | 10 ft.    | Belled Ends     |
| <b>PV-Mold - Heavy Duty Schedule 40</b>                |                          |              |            |                                      |           |                 |
| 59010N   | <a href="#">90056918</a> | Non-Metallic | 1½ in.     | Heavy Duty Schedule 40 Plastic       | 10 ft.    | Belled Ends     |
| 59011N   | <a href="#">90056930</a> | Non-Metallic | 2 in.      | Heavy Duty Schedule 40 Plastic       | 10 ft.    | Belled Ends     |
| 59013N   | <a href="#">90056927</a> | Non-Metallic | 3 in.      | Heavy Duty Schedule 40 Plastic       | 10 ft.    | Belled Ends     |
| 59015N   | <a href="#">90056926</a> | Non-Metallic | 4 in.      | Heavy Duty Schedule 40 Plastic       | 10 ft.    | Belled Ends     |
| 59016N   | <a href="#">90056928</a> | Non-Metallic | 5 in.      | Heavy Duty Schedule 40 Plastic       | 10 ft.    | Belled Ends     |
| 59017N   | <a href="#">91016281</a> | Non-Metallic | 6 in.      | Heavy Duty Schedule 40 Plastic       | 10 ft.    | Belled Ends     |
| <b>PV-Mold - Extra Heavy Duty Schedule 80</b>          |                          |              |            |                                      |           |                 |
| 59411N   | <a href="#">90056932</a> | Non-Metallic | 2 in.      | Extra Heavy Duty Schedule 80 Plastic | 10 ft.    | Belled Ends     |
| 59413N   | <a href="#">92084659</a> | Non-Metallic | 3 in.      | Extra Heavy Duty Schedule 80 Plastic | 10 ft.    | Belled Ends     |
| <b>PV-Mold Accessories - Vented Boots and Adapters</b> |                          |              |            |                                      |           |                 |
| E938NRR  | <a href="#">22120380</a> | Non-Metallic | 4 x 6 in.  | Polyethylene                         | 20.87 in. | -               |
| E939JN   | <a href="#">25059747</a> | Non-Metallic | 2 x 4 in.  | Polyethylene                         | 11 in.    | -               |
| E939NR   | <a href="#">22085412</a> | Non-Metallic | 4 x 6 in.  | Polyethylene                         | 11 in.    | -               |
| <b>PV-Mold Accessories - Backing Plates</b>            |                          |              |            |                                      |           |                 |
| 59111  | <a href="#">88054389</a> | Non-Metallic | 2 in.      | PVC                                  | 10 ft.    | -               |
| 59113  | <a href="#">88054390</a> | Non-Metallic | 3 in.      | PVC                                  | 10 ft.    | -               |
| 59115  | <a href="#">88054391</a> | Non-Metallic | 4 in.      | PVC                                  | 10 ft.    | -               |
| 59116  | <a href="#">88054392</a> | Non-Metallic | 5 in.      | PVC                                  | 10 ft.    | -               |
| 59117  | <a href="#">96070716</a> | Non-Metallic | 6 in.      | PVC                                  | 10 ft.    | -               |



### Conduit End Bells

Carlton

Conduit end bell fittings are PVC corrosion resistant and light weight. Gray in color and formulated for sunlight resistance.



#### Features

- Designed for Power & Communications Applications
- Ideal for Protecting or Replacing Cable
- Produced to IPS Dimensions and Fits Existing Fittings and Conduit
- Non-Metallic Fittings Will Not Rust or Corrode
- Ideal Underground Residential Communication Raceway
- Ideal Underground Bridge or Roadway Conduit
- UL Listed

| Mfg. No.         | Advanced ID     | Trade Size |
|------------------|-----------------|------------|
| <b>Bell Ends</b> |                 |            |
| E997F-CAR        | <b>88054812</b> | 1 in.      |
| E997G-CAR        | <b>88054813</b> | 1¼ in.     |
| E997H-CAR        | <b>88054814</b> | 1½ in.     |
| E997J-CAR        | <b>88054815</b> | 2 in.      |
| E997K-CAR        | <b>88054816</b> | 2½ in.     |
| E997L-CAR        | <b>88054817</b> | 3 in.      |
| E997M            | <b>88054818</b> | 3½ in.     |
| E997N            | <b>88054819</b> | 4 in.      |
| E997P            | <b>88054820</b> | 5 in.      |
| E997R            | <b>88054821</b> | 6 in.      |

### Flex-Plus® Blue™ ENT Electrical Non-Metallic Tubing

Carlton

Non-metallic flexible raceway for use in walls, floors and non-plenum ceilings. It's lightweight, hand-bendable and free from sharp edges, which reduces installation time and saves money.



UL Listed and CSA Certified and is recognized by Article 362 of the 2002 NEC. Recognized for having a one and two-hour fire rated wall assembly and up to a three-hour rated floor/ceiling assembly.

#### Features

- Available in ½ Thru 2 in. Sizes
- Available in Three Colors: Blue, Yellow and Red
- Outside Diameters Meet IPS Dimensions
- Storage Temperature -4 Thru 158°F
- Handling Temperature -4 Thru 104°F

| Mfg. No.     | Advanced ID     | Center Hole (W x H) | Outside Diameter | Color  | Length   |
|--------------|-----------------|---------------------|------------------|--------|----------|
| <b>Reels</b> |                 |                     |                  |        |          |
| 12005AK-001  | <b>88315198</b> | ½ in.               | 0.84 in.         | Blue   | 1500 ft. |
| 1205AKY-001  | <b>94032709</b> | ½ in.               | 0.84 in.         | Yellow | 1500 ft. |
| 1205AKR-001  | <b>94032708</b> | ½ in.               | 0.84 in.         | Red    | 1500 ft. |
| 12007AA-001  | <b>88315199</b> | ¾ in.               | 1.05 in.         | Blue   | 1000 ft. |
| 1207AAY-001  | <b>97171236</b> | ¾ in.               | 1.05 in.         | Yellow | 1000 ft. |
| 1207AAR-001  | <b>97172578</b> | ¾ in.               | 1.05 in.         | Red    | 1000 ft. |
| 12008-750    | <b>88322476</b> | 1 in.               | 1.315 in.        | Blue   | 750 ft.  |
| 12008Y-750   | <b>94002504</b> | 1 in.               | 1.315 in.        | Yellow | 750 ft.  |
| 12008R-750   | <b>97172577</b> | 1 in.               | 1.315 in.        | Red    | 750 ft.  |
| 12009-750    | <b>94024194</b> | 1¼ in.              | 1.66 in.         | Blue   | 750 ft.  |
| 12010-750    | <b>94024195</b> | 1½ in.              | 1.90 in.         | Blue   | 750 ft.  |
| 12011-500    | <b>91024437</b> | 2 in.               | 2.375 in.        | Blue   | 500 ft.  |
| <b>Coils</b> |                 |                     |                  |        |          |
| 12005-200    | <b>88054306</b> | ½ in.               | 0.84 in.         | Blue   | 200 ft.  |
| 12005Y-200   | <b>88054308</b> | ½ in.               | 0.84 in.         | Yellow | 200 ft.  |
| 12005R-200   | <b>88054307</b> | ½ in.               | 0.84 in.         | Red    | 200 ft.  |
| 12007-100    | <b>88054310</b> | ¾ in.               | 1.05 in.         | Blue   | 100 ft.  |
| 12007Y-100   | <b>92126258</b> | ¾ in.               | 1.05 in.         | Yellow | 100 ft.  |
| 12007R-100   | <b>92126257</b> | ¾ in.               | 1.05 in.         | Red    | 100 ft.  |
| 12008-100    | <b>91008162</b> | 1 in.               | 1.315 in.        | Blue   | 100 ft.  |
| 12008Y-100   | <b>95064924</b> | 1 in.               | 1.315 in.        | Yellow | 100 ft.  |
| 12008R-100   | <b>95064925</b> | 1 in.               | 1.315 in.        | Red    | 100 ft.  |

### Flex-Plus ENT Couplings, Connectors & Adapters

#### Carlton

One piece, quick connect, PVC fittings for use with ENT tubing.

#### Features

- Use in Wall, Floor, Slab and Ceilings
- Suitable for Damp Locations
- Concrete Tight When Used with Carlton ENT
- Schedule 40 Fittings Compatible with All ENT if ENT Glue Used
- UL and CSA Listed



| Mfg. No.              | Advanced ID | Trade Size     | Connection Type        | Color |
|-----------------------|-------------|----------------|------------------------|-------|
| <b>Couplings</b>      |             |                |                        |       |
| A240D                 | 90010192    | 1/2 in.        | Snap-In                | Blue  |
| A240E                 | 90010193    | 3/4 in.        | Snap-In                | Blue  |
| A240F                 | 90053318    | 1 in.          | Snap-In                | Blue  |
| <b>Adapters</b>       |             |                |                        |       |
| A243D                 | 90010194    | 1/2 in.        | Snap-In and Threaded   | Blue  |
| A243E                 | 90010195    | 3/4 in.        | Snap-In and Threaded   | Blue  |
| A243F                 | 90056238    | 1 in.          | Snap-In and Threaded   | Blue  |
| A253D                 | 90010196    | 1/2 in.        | Snap-In and Terminator | Blue  |
| A253E                 | 90010197    | 3/4 in.        | Snap-In and Terminator | Blue  |
| A253F                 | 90053319    | 1 in.          | Snap-In and Terminator | Blue  |
| A263D                 | 22114485    | 1/2 in.        | Snap-In to Socket      | Gray  |
| A263E                 | 22114486    | 3/4 in.        | Snap-In to Socket      | Gray  |
| A263F                 | 22114487    | 1 in.          | Snap-In to Socket      | Gray  |
| A245D                 | 22114480    | 1/2 in.        | Snap-In to EMT         | Blue  |
| A245E                 | 22114481    | 3/4 in.        | Snap-In to EMT         | Blue  |
| A245F                 | 22114482    | 1 in.          | Snap-In to EMT         | Blue  |
| <b>Reducers</b>       |             |                |                        |       |
| A273DE                | 22114483    | 3/4 to 1/2 in. | Snap-In                | Blue  |
| A273EF                | 22114484    | 1 to 3/4 in.   | Snap-In                | Blue  |
| Other sizes available |             |                |                        |       |

### PVC Products

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#### TYPE

CEMENT  
PRIMER  
CLEANER  
PRIM/CLNR=PRIMER/CLEANER

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#### COLOR

CLR=CLEAR—FOR PVC (CEMENT and PRIMER)  
GRY=GRAY—FOR PVC and CPVC  
BLU=BLUE—FOR ENT, WET CONDITIONS and QUICK PRESSURIZATION  
ORG=ORANGE—FOR CPVC PIPE/FTGS.  
BLK=BLACK—FOR ABS PIPE/FITTINGS  
GRN=GREEN—FOR JOINING ABS TO PVC  
PUR=PURPLE—PRIMER

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#### CONTAINER SIZE

1/2 PT= 1/2 PINT  
PT = PINT  
QT = QUART  
GAL = GALLON

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#### BODY / VISCOSITY

REG BODY=REGULAR BODY FOR UP TO 4 IN (SCH. 40)  
MED BODY=MEDIUM BODY FOR UP TO 6 IN (SCH. 40 and 80)  
HVY BODY=HEAVY BODY FOR 6 IN—12 IN (SCH. 40 and 80)  
QSET/AW=QUICKSET, ALL WEATHER, POLAR WELD—FOR AS LOW AS 0 DEG F.

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#### VARIABLES

LV=LO V.O.C.—LOW VOLATILE ORGANIC COMPOUNDS  
CAN=CLEAN EMPTY CAN  
DAUBER=DAUBER WITH THREADED LID

### PVC Cement

#### PVC Products

Solvent cements for various conditions of PVC pipe and fittings. All weather cement and Quick Set are good down to 0°F. All other cements work to 40°F.

#### Features

- Regular Body Cements Good for Schedule 40 Pipe Up to 4 in. Diameter
- Medium Body Cements Good for Schedule 40 & Schedule 80 Pipe



| Mfg. No.                               | Advanced ID | Body / Viscosity        | Color | Container Size | Variables  |
|--|-------------|-------------------------|-------|----------------|------------|
| <b>Clear Cements</b>                   |             |                         |       |                |            |
| CEMENT-REG BODY-CLR-1/2PT              | 22073587    | Regular Body            | Clear | 1/2 Pint       | -          |
| CEMENT-REG BODY-CLR-PT                 | 22073589    | Regular Body            | Clear | Pint           | -          |
| CEMENT-REG BODY-CLR-QT                 | 22073591    | Regular Body            | Clear | Quart          | -          |
| CEMENT-REG BODY-CLR-GAL                | 93172030    | Regular Body            | Clear | Gallon         | -          |
| CEMENT-MED BODY-CLR-1/2PT              | 22073586    | Medium Body             | Clear | 1/2 Pint       | -          |
| CEMENT-MED BODY-CLR-PT                 | 22073588    | Medium Body             | Clear | Pint           | -          |
| CEMENT-MED BODY-CLR-QT                 | 22073590    | Medium Body             | Clear | Quart          | -          |
| <b>Quick Set / All Weather Cements</b> |             |                         |       |                |            |
| CEMENT-QSET/AW-CLR-1/2PT               | 93172026    | Quick Set / All Weather | Clear | 1/2 Pint       | -          |
| CEMENT-QSET/AW-CLR-PT                  | 88285298    | Quick Set / All Weather | Clear | Pint           | -          |
| CEMENT-QSET/AW-CLR-QT                  | 88285299    | Quick Set / All Weather | Clear | Quart          | -          |
| CEMENT-QSET/AW-CLR-GAL                 | 88285297    | Quick Set / All Weather | Clear | Gallon         | -          |
| <b>Low VOC Cements</b>                 |             |                         |       |                |            |
| CEMENT-QSET/AW-CLR-LV-PT               | 22063108    | Medium Body             | Clear | Pint           | Low V.O.C. |
| CEMENT-QSET/AW-CLR-LV-QT               | 22063107    | Medium Body             | Clear | Quart          | Low V.O.C. |
| CEMENT-QSET/AW-CLR-LV-GAL              | 22063106    | Medium Body             | Clear | Gallon         | Low V.O.C. |
| <b>Blue Cement</b>                     |             |                         |       |                |            |
| CEMENT-MED BODY-BLU-LV-PT              | 22063119    | Medium Body             | Blue  | Pint           | Low V.O.C. |
| CEMENT-MED BODY-BLU-LV-QT              | 22063118    | Medium Body             | Blue  | Quart          | Low V.O.C. |
| CEMENT-MED BODY-BLU-PT                 | 96031835    | Medium Body             | Blue  | Pint           | Low V.O.C. |
| CEMENT-MED BODY-BLU-QT                 | 96031834    | Medium Body             | Blue  | Quart          | Low V.O.C. |

### PVC Primers

#### PVC Products

Primer solvent for PVC and other types of plastic pipes and fittings.

#### Benefits

- Used in Preparation and Prior to Application of PVC Cements
- Color Helps Identify Missed Joints
- NSF Listed



| Mfg. No.             | Advanced ID | Body / Viscosity | Color  | Container Size | Variables |
|----------------------|-------------|------------------|--------|----------------|-----------|
| <b>Purple Primer</b> |             |                  |        |                |           |
| PRIMER-PUR-1/2PT     | 22063128    | -                | Purple | 1/2 Pint       | -         |
| PRIMER-PUR-PT        | 22063127    | -                | Purple | Pint           | -         |
| PRIMER-PUR-QT        | 22063126    | -                | Purple | Quart          | -         |
| PRIMER-PUR-GAL       | 22063125    | -                | Purple | Gallon         | -         |
| <b>Clear Primer</b>  |             |                  |        |                |           |
| PRIMER-CLR-PT        | 96066305    | -                | Clear  | Pint           | -         |
| PRIMER-CLR-QT        | 96066307    | -                | Clear  | Quart          | -         |
| <b>Cleaner</b>       |             |                  |        |                |           |
| CLEANER-CLR-QT       | 94041605    | -                | Clear  | Quart          | -         |

### Carflex Liquidtight Conduit

#### Carlon

Flexible PVC, non-metallic, nonconductive, corrosion resistant for harsh and damp environments. Used for outdoor lighting, transformer connections, machine tools, computer power distribution, control & motor applications and more. Available in polypacks or reels.

#### Features

- Strong Yet Lightweight and Easy to Install
- No Jagged Edges to Cause Injury
- Crush, Abrasion and Strain Resistant
- Smooth Interior Facilitates Wire Pulling
- Gray Color Standard, Other Colors Available on Request
- LFNC-B Meets ANSI/NFPA 79 & UL 1660
- Liquidtight - Type B-LFNC / 80°C Dry, 60°C Wet, & 60°C Oil
- Liquidtight X-Flex - Type Extra Flexible / 60°C



| Mfg. No.                  | Advanced ID              | Trade Size | Container Type | Length    | Temperature Rating | Type           | Weight per 100 Foot |
|---------------------------|--------------------------|------------|----------------|-----------|--------------------|----------------|---------------------|
| <b>Liquidtight</b>        |                          |            |                |           |                    |                |                     |
| 15004-001                 | <a href="#">88054325</a> | 3/8 in.    | Reel           | 1,000 ft. | 80°C               | Type LFNC-B    | 12.8 lb             |
| 15004-100                 | <a href="#">88054324</a> | 3/8 in.    | Coil           | 100 ft.   | 80°C               | Type LFNC-B    | 12.8 lb             |
| 15005-001                 | <a href="#">88054328</a> | 1/2 in.    | Reel           | 1,000 ft. | 80°C               | Type LFNC-B    | 13.3 lb             |
| 15005-100                 | <a href="#">88054327</a> | 1/2 in.    | Coil           | 100 ft.   | 80°C               | Type LFNC-B    | 13.3 lb             |
| 15007-001                 | <a href="#">88054331</a> | 3/4 in.    | Reel           | 1,000 ft. | 80°C               | Type LFNC-B    | 16.3 lb             |
| 15007-100                 | <a href="#">88054330</a> | 3/4 in.    | Coil           | 100 ft.   | 80°C               | Type LFNC-B    | 16.3 lb             |
| 15008-100                 | <a href="#">88054333</a> | 1 in.      | Coil           | 100 ft.   | 80°C               | Type LFNC-B    | 25.9 lb             |
| 15008-500                 | <a href="#">90076848</a> | 1 in.      | Reel           | 500 ft.   | 80°C               | Type LFNC-B    | 25.9 lb             |
| 15009-100                 | <a href="#">88054335</a> | 1 1/4 in.  | Coil           | 100 ft.   | 80°C               | Type LFNC-B    | 33.9 lb             |
| 15010-100                 | <a href="#">88054337</a> | 1 1/2 in.  | Coil           | 100 ft.   | 80°C               | Type LFNC-B    | 44.6 lb             |
| 15011-050                 | <a href="#">88054339</a> | 2 in.      | Coil           | 50 ft.    | 80°C               | Type LFNC-B    | 61.7 lb             |
| 15011-100                 | <a href="#">92125634</a> | 2 in.      | Reel           | 100 ft.   | 80°C               | Type LFNC-B    | 61.7 lb             |
| <b>Liquidtight X-Flex</b> |                          |            |                |           |                    |                |                     |
| 15104-100                 | <a href="#">92137484</a> | 3/8 in.    | Coil           | 100 ft.   | 60°C               | Extra Flexible | 7.4 lb              |
| 15105-100                 | <a href="#">90013263</a> | 1/2 in.    | Coil           | 100 ft.   | 60°C               | Extra Flexible | 10.7 lb             |
| 15107-100                 | <a href="#">90013264</a> | 3/4 in.    | Coil           | 100 ft.   | 60°C               | Extra Flexible | 12.4 lb             |
| 15108-100                 | <a href="#">90013265</a> | 1 in.      | Coil           | 100 ft.   | 60°C               | Extra Flexible | 20.5 lb             |
| 15109-100                 | <a href="#">92122642</a> | 1 1/4 in.  | Coil           | 100 ft.   | 60°C               | Extra Flexible | 31 lb               |
| 15110-100                 | <a href="#">92122643</a> | 1 1/2 in.  | Coil           | 100 ft.   | 60°C               | Extra Flexible | 38 lb               |
| 15111-050                 | <a href="#">92122644</a> | 2 in.      | Coil           | 50 ft.    | 60°C               | Extra Flexible | 32 lb               |

### Carflex Liquidtight Fittings

Carlton



Straight Fittings



90° Fittings

Non-Metallic fittings designed for flexible non-metallic conduit and X-Flex conduit.

#### Features

- Non-Conductive, Corrosion, Oil, Acid, Ozone and Alkaline Resistant
- Nitrile Rubber "O" Ring for Liquidtight Termination
- Meets UL Standard 514B
- Thermoplastic Rated to 225°F, PVC to 140°F
- Unassembled Locknut, "O" Ring & Gasket Bagged Separately
- Assembled Locknut, "O" Ring & Gasket Assembled onto Body

| Mfg. No.                               | Advanced ID | Trade Size      | Material          |
|--|-------------|-----------------|-------------------|
| <b>Thermoplastic Straight Fittings</b> |             |                 |                   |
| LT43C                                  | 88054912    | 3/8 in.         | Thermoplastic PVC |
| LT43D                                  | 96093546    | 1/2 in.         | Thermoplastic PVC |
| LT43D-NEW                              | 88054913    | 1/2 in.         | Thermoplastic PVC |
| LT43E                                  | 96093547    | 3/4 in.         | Thermoplastic PVC |
| LT43E-NEW                              | 88054914    | 3/4 in.         | Thermoplastic PVC |
| LT43F                                  | 88054915    | 1 in.           | Thermoplastic PVC |
| LT43G                                  | 88054916    | 1 1/4 in.       | Thermoplastic PVC |
| LT43H                                  | 88054917    | 1 1/2 in.       | Thermoplastic PVC |
| LT43J                                  | 88054918    | 2 in.           | Thermoplastic PVC |
| <b>Thermoplastic 90° Fittings</b>      |             |                 |                   |
| LT20C                                  | 88054898    | 3/8 in.         | Thermoplastic PVC |
| LT20D                                  | 96093542    | 1/2 in.         | Thermoplastic PVC |
| LT20D-NEW                              | 88054899    | 1/2 in.         | Thermoplastic PVC |
| LT20E-NEW                              | 88054900    | 3/4 in.         | Thermoplastic PVC |
| LT20F                                  | 88054901    | 1 in.           | Thermoplastic PVC |
| LT20G                                  | 88054902    | 1 1/4 in.       | Thermoplastic PVC |
| LT20H                                  | 88054903    | 1 1/2 in.       | Thermoplastic PVC |
| LT20J                                  | 88054904    | 2 in.           | Thermoplastic PVC |
| <b>One Piece 90° Fittings</b>          |             |                 |                   |
| LN20DA                                 | 92119791    | 1/2 in.-14 NPT  | PVC Plastic       |
| LN20EA                                 | 92119792    | 3/4 in.-14 NPT  | PVC Plastic       |
| LN20FA                                 | 92122901    | 1 in.-1 1/2 NPT | PVC Plastic       |
| <b>One Piece Straight Fittings</b>     |             |                 |                   |
| LN43DA                                 | 92119794    | 1/2 in.-14 NPT  | PVC Plastic       |
| LN43EA                                 | 92119793    | 3/4 in.-14 NPT  | PVC Plastic       |



### Liquatite® by Electri-Flex Company

Electri-Flex Co.

#### Features

- Resistant to Oil and Acid
- Machine Tool Gray
- Temp Rating: -20 to 80°C Dry, 60°C Wet, 70°C Oil



| Mfg. No.              | Advanced ID              | Trade Size | Container Type | Length  | Temperature Rating | Type   | Weight per 100 Foot |
|-----------------------|--------------------------|------------|----------------|---------|--------------------|--------|---------------------|
| NM-11-GRY-1/2-100FT   | <a href="#">92136071</a> | 1/2 in.    | 100 Ft. Coil   | 100 ft. | -20 to 80°C Dry    | LFNC-B | 11 lb               |
| NM-12-GRY-3/4-100FT   | <a href="#">92136070</a> | 3/4 in.    | 100 Ft. Coil   | 100 ft. | -20 to 80°C Dry    | LFNC-B | 15 lb               |
| NM-13-GRY-1-IN-100FT  | <a href="#">92136069</a> | 1 1/4 in.  | 100 Ft. Coil   | 100 ft. | -20 to 80°C Dry    | LFNC-B | 34 lb               |
| NM-14-GRY-1-1/4-100FT | <a href="#">92136068</a> | 1 1/2 in.  | 100 Ft. Coil   | 100 ft. | -20 to 80°C Dry    | LFNC-B | 42 lb               |

### Liquatite® by Electri-Flex Company

Electri-Flex Co.

Metallic liquidtight conduit.

#### Features

- Color: Machine Tool Gray
- PVC Jacket



| Mfg. No.              | Advanced ID              | Description                 | Trade Size | Weight per 100 Foot | Temperature Rating | Outside Diameter | Inside Diameter |
|-----------------------|--------------------------|-----------------------------|------------|---------------------|--------------------|------------------|-----------------|
| EF-10-GRY-3/8-100FT   | <a href="#">88090546</a> | Steel                       | 3/8 in.    | 20 lb               | -20 to 80°C        | 0.710 in.        | 0.484 in.       |
| EF-11-GRY-1/2-1000FT  | <a href="#">88090551</a> | Steel                       | 1/2 in.    | 24 lb               | -20 to 80°C        | 0.840 in.        | 0.622 in.       |
| EF-11-GRY-1/2-100FT   | <a href="#">88090550</a> | Steel                       | 1/2 in.    | 24 lb               | -20 to 80°C        | 0.840 in.        | 0.622 in.       |
| EF-12-GRY-3/4-500FT   | <a href="#">88090556</a> | Steel                       | 3/4 in.    | 31 lb               | -20 to 80°C        | 1.050 in.        | 0.820 in.       |
| EF-12-GRY-3/4-100FT   | <a href="#">88090554</a> | Steel                       | 3/4 in.    | 31 lb               | -20 to 80°C        | 1.050 in.        | 0.820 in.       |
| EF-13-GRY-1-IN-400FT  | <a href="#">94033435</a> | Steel                       | 1 in.      | 43 lb               | -20 to 80°C        | 1.315 in.        | 1.041 in.       |
| EF-13-GRY-1-IN-100FT  | <a href="#">88090557</a> | Steel                       | 1 in.      | 43 lb               | -20 to 80°C        | 1.315 in.        | 1.041 in.       |
| EF14-GRY-1 1/4-200FT  | <a href="#">99700694</a> | Steel                       | 1 1/4 in.  | 56 lb               | -20 to 80°C        | 1.660 in.        | 1.380 in.       |
| EF-14-GRY-1 1/4-50FT  | <a href="#">88090560</a> | Steel                       | 1 1/4 in.  | 56 lb               | -20 to 80°C        | 1.660 in.        | 1.380 in.       |
| EF-15-GRY-1 1/2-150FT | <a href="#">88090561</a> | Steel                       | 1 1/2 in.  | 90 lb               | -20 to 80°C        | 1.900 in.        | 1.575 in.       |
| EF-15-GRY-1 1/2-50FT  | <a href="#">88090562</a> | Steel                       | 1 1/2 in.  | 90 lb               | -20 to 80°C        | 1.900 in.        | 1.575 in.       |
| EF-16-GRY-2-IN-50FT   | <a href="#">88090564</a> | Steel                       | 2 in.      | 112 lb              | -20 to 80°C        | 2.375 in.        | 2.020 in.       |
| EF-16-GRY-2-IN-100FT  | <a href="#">88090563</a> | Steel                       | 2 in.      | 112 lb              | -20 to 80°C        | 2.375 in.        | 2.020 in.       |
| LA-10-GRY-3/8-100FT   | <a href="#">88302891</a> | Steel Hot-Dipped Galvanized | 3/8 in.    | 29 lb               | -20 to 60°C        | 0.710 in.        | 0.484 in.       |
| LA-11-GRY-1/2-1000FT  | <a href="#">88090587</a> | Steel Hot-Dipped Galvanized | 1/2 in.    | 32 lb               | -20 to 60°C        | 0.840 in.        | 0.622 in.       |
| LA-11-GRY-1/2-100FT   | <a href="#">88302889</a> | Steel Hot-Dipped Galvanized | 1/2 in.    | 32 lb               | -20 to 60°C        | 0.840 in.        | 0.622 in.       |
| LA-11-GRY-1/2-500FT   | <a href="#">88302890</a> | Steel Hot-Dipped Galvanized | 1/2 in.    | 32 lb               | -20 to 60°C        | 0.840 in.        | 0.622 in.       |
| LA-12-GRY-3/4-100FT   | <a href="#">88302888</a> | Steel Hot-Dipped Galvanized | 3/4 in.    | 53 lb               | -20 to 60°C        | 1.050 in.        | 0.820 in.       |
| LA-12-GRY-3/4-500FT   | <a href="#">88090592</a> | Steel Hot-Dipped Galvanized | 3/4 in.    | 53 lb               | -20 to 60°C        | 1.050 in.        | 0.820 in.       |
| LA-13-GRY-1-IN-100FT  | <a href="#">88090595</a> | Steel Hot-Dipped Galvanized | 1 in.      | 82 lb               | -20 to 60°C        | 1.315 in.        | 1.041 in.       |
| LA-13-GRY-1-IN-400FT  | <a href="#">88090596</a> | Steel Hot-Dipped Galvanized | 1 in.      | 82 lb               | -20 to 60°C        | 1.315 in.        | 1.041 in.       |
| LA-15-GRY-1 1/2-50FT  | <a href="#">88090604</a> | Steel Hot-Dipped Galvanized | 1 1/2 in.  | 104 lb              | -20 to 60°C        | 1.900 in.        | 1.575 in.       |
| LA-16-GRY-2-IN-100FT  | <a href="#">88090607</a> | Steel Hot-Dipped Galvanized | 2 in.      | 145 lb              | -20 to 60°C        | 2.375 in.        | 2.020 in.       |
| LA-16-GRY-2-IN-50FT   | <a href="#">88090608</a> | Steel Hot-Dipped Galvanized | 2 in.      | 145 lb              | -20 to 60°C        | 2.375 in.        | 2.020 in.       |
| LA-17-GRY-2 1/2-275FT | <a href="#">92124971</a> | Steel Hot-Dipped Galvanized | 2 1/2 in.  | 192 lb              | -20 to 60°C        | 2.875 in.        | 2.480 in.       |
| LA-17-GRY-2 1/2-25FT  | <a href="#">88090610</a> | Steel Hot-Dipped Galvanized | 2 1/2 in.  | 192 lb              | -20 to 60°C        | 2.875 in.        | 2.480 in.       |
| LA-18-GRY-3-IN-175FT  | <a href="#">92124970</a> | Steel Hot-Dipped Galvanized | 3 in.      | 252 lb              | -20 to 60°C        | 3.500 in.        | 3.070 in.       |
| LA-19-GRY-4-IN-25FT   | <a href="#">88090614</a> | Steel Hot-Dipped Galvanized | 4 in.      | 340 lb              | -20 to 60°C        | 4.500 in.        | 4.000 in.       |
| LA-19-GRY-4-IN-100FT  | <a href="#">92124969</a> | Steel Hot-Dipped Galvanized | 4 in.      | 340 lb              | -20 to 60°C        | 4.500 in.        | 4.000 in.       |
| LT-11-GRY-1/2-100FT   | <a href="#">88090666</a> | Steel Electro Galvanized    | 1/2 in.    | 24 lb               | -20 to 80°C        | 0.840 in.        | 0.622 in.       |
| LT-12-GRY-3/4-100FT   | <a href="#">88090672</a> | Steel Electro Galvanized    | 3/4 in.    | 33 lb               | -20 to 80°C        | 1.050 in.        | 0.820 in.       |
| LT-13-GRY-1-IN-100FT  | <a href="#">88090676</a> | Steel Electro Galvanized    | 1 in.      | 53 lb               | -20 to 80°C        | 1.315 in.        | 1.041 in.       |
| LT-14-GRY-1 1/4-50FT  | <a href="#">88090681</a> | Steel Electro Galvanized    | 1 1/4 in.  | 68 lb               | -20 to 80°C        | 1.660 in.        | 1.380 in.       |
| LT-15-GRY-1 1/2-50FT  | <a href="#">88090685</a> | Steel Electro Galvanized    | 1 1/2 in.  | 88 lb               | -20 to 80°C        | 1.900 in.        | 1.575 in.       |
| LT-16-GRY-2-IN-50FT   | <a href="#">88090689</a> | Steel Electro Galvanized    | 2 in.      | 116 lb              | -20 to 80°C        | 2.375 in.        | 2.020 in.       |
| LT-18-GRY-3-IN-25FT   | <a href="#">88090693</a> | Steel Electro Galvanized    | 3 in.      | 260 lb              | -20 to 80°C        | 3.500 in.        | 3.070 in.       |

### Non-Metallic Liquidtight Conduit

Hubbell Wiring Device-Kellems



POLYTUFF 1 Conduit



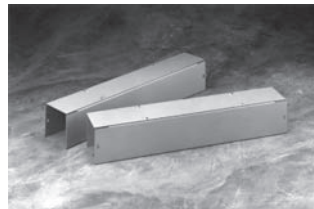
POLYTUFF 2 Tubing

Hubbell offers two different types of non-metallic conduit. Both are a rigid PVC core bonded to flexible jacket. All non-metallic construction ends metal fatigue and separation problems.

| Mfg. No. | Advanced ID              | Trade Size | Container Type | Length  | Temperature Rating   | Type    | Weight per 100 Foot |
|----------|--------------------------|------------|----------------|---------|--|---------|---------------------|
| G1038    | <a href="#">88148039</a> | 3/8 in.    | Carton         | 100 ft. | Wet Environment: 0°F (-18°C) to 140°F (60°C);<br>Oil Environment: 0°F (-18°C) to 158°F (70°C);<br>Dry Environment: 0°F (-18°C) to 176°F (80°C) | Conduit | 13                  |
| G1050    | <a href="#">88148040</a> | 1/2 in.    | Carton         | 100 ft. | Wet Environment: 0°F (-18°C) to 140°F (60°C);<br>Oil Environment: 0°F (-18°C) to 158°F (70°C);<br>Dry Environment: 0°F (-18°C) to 176°F        | Conduit | 15                  |
| G1075    | <a href="#">88148041</a> | 3/4 in.    | Carton         | 100 ft. | Wet Environment: 0°F (-18°C) to 140°F (60°C);<br>Oil Environment: 0°F (-18°C) to 158°F (70°C);<br>Dry Environment: 0°F (-18°C) to 176°F        | Conduit | 21                  |
| G1100    | <a href="#">88148042</a> | 1 in.      | Carton         | 100 ft. | Wet Environment: 0°F (-18°C) to 140°F (60°C);<br>Oil Environment: 0°F (-18°C) to 158°F (70°C);<br>Dry Environment: 0°F (-18°C) to 176°F        | Conduit | 27                  |
| B2025    | <a href="#">91006478</a> | 1/4 in.    | Carton         | 100 ft. | 0°F (-18°C) to 140°F (60°C)  | Tubing  | 7                   |
| B2038    | <a href="#">88147981</a> | 3/8 in.    | Carton         | 100 ft. | 0°F (-18°C) to 140°F (60°C)  | Tubing  | 8                   |
| B2050    | <a href="#">88147982</a> | 1/2 in.    | Carton         | 100 ft. | 0°F (-18°C) to 140°F (60°C)  | Tubing  | 9                   |
| B2075    | <a href="#">88147983</a> | 3/4 in.    | Carton         | 100 ft. | 0°F (-18°C) to 140°F (60°C)  | Tubing  | 13                  |
| B2100    | <a href="#">88147984</a> | 1 in.      | Carton         | 100 ft. | 0°F (-18°C) to 140°F (60°C)  | Tubing  | 19                  |

### Type 1 Flat - Screw Cover Wireway

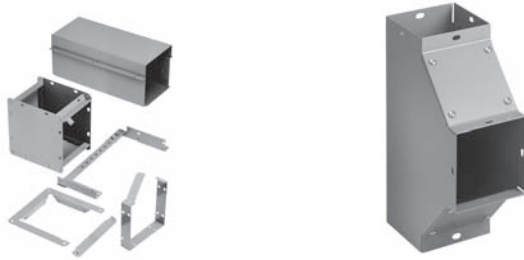
Hoffman®



| Hoffman / Advanced ID                   | Length (in.) | Duct Size (in.) |
|---|--------------|-----------------|
| F44T112GVP / <a href="#">99489003</a>   | 12           | 4 x 4           |
| F44T124GVP / <a href="#">99489004</a>   | 24           | 4 x 4           |
| F44T136GVP / <a href="#">99489005</a>   | 36           | 4 x 4           |
| F44T148GVP / <a href="#">99489006</a>   | 48           | 4 x 4           |
| F66T124GVP / <a href="#">99489009</a>   | 24           | 6 x 6           |
| F66T136GVP / <a href="#">99489010</a>   | 36           | 6 x 6           |
| F66T148GVP / <a href="#">99489012</a>   | 48           | 6 x 6           |
| F66T160GVP / <a href="#">99489014</a>   | 60           | 6 x 6           |
| F66T172GVP / <a href="#">99489018</a>   | 72           | 6 x 6           |
| F66T1120GVP / <a href="#">99489021</a>  | 120          | 6 x 6           |
| F88T124GVP / <a href="#">99489053</a>   | 24           | 8 x 8           |
| F88T136GVP / <a href="#">99489027</a>   | 36           | 8 x 8           |
| F88T148GVP / <a href="#">99489029</a>   | 48           | 8 x 8           |
| F88T160GVP / <a href="#">99489032</a>   | 60           | 8 x 8           |
| F88T172GVP / <a href="#">99681758</a>   | 72           | 8 x 8           |
| F88T1120GVP / <a href="#">99517692</a>  | 120          | 8 x 8           |
| F1212T136GVP / <a href="#">99489037</a> | 36           | 12 x 12         |
| F1212T148GVP / <a href="#">99489040</a> | 48           | 12 x 12         |

### Type 1 Lay-in Fittings

Hoffman® / Square D®



| Hoffman / Advanced ID                    | Square D / Advanced ID      | Duct Size (in.) |
|--|-----------------------------|-----------------|
| <b>90° Elbow</b>                         |                             |                 |
| F44G90E / <b>88132985</b>                | LDB490L / <b>99967925</b>   | 4 x 4           |
| F66G90E / <b>88133125</b>                | LDB690L / <b>99967955</b>   | 6 x 6           |
| F88G90E / <b>88133244</b>                | LDB890L / <b>99961143</b>   | 8 x 8           |
| F1010G90E / <b>96098118</b>              | LDB1090L / <b>99967885</b>  | 10 x 10         |
| F1212G90E / <b>88132826</b>              | LDB1290L / <b>99951728</b>  | 12 x 12         |
| <b>45° Elbow</b>                         |                             |                 |
| F44G45E / <b>88132980</b>                | LDB445L / <b>99967920</b>   | 4 x 4           |
| F66G45E / <b>88133120</b>                | LDB645L / <b>99967948</b>   | 6 x 6           |
| F88G45E / <b>88133239</b>                | LDB845L / <b>99961138</b>   | 8 x 8           |
| <b>90° Flush Tee</b>                     |                             |                 |
| F44GT / <b>97100692</b>                  | LDB4T / <b>99967937</b>     | 4 x 4           |
| F66GT / <b>97100693</b>                  | LDB6T / <b>99967967</b>     | 6 x 6           |
| <b>Panel Adapter</b>                     |                             |                 |
| F44GPA / <b>88132995</b>                 | LDB4A / <b>99967927</b>     | 4 x 4           |
| F66GPA / <b>88133134</b>                 | LDB6A / <b>99967957</b>     | 6 x 6           |
| F88GPA / <b>88133253</b>                 | LDB8A / <b>99961141</b>     | 8 x 8           |
| F1212GPA / <b>88132834</b>               | LDB12A / <b>99951729</b>    | 12 x 12         |
| <b>U- Connector</b>                      |                             |                 |
| F44GUC / <b>88132997</b>                 | LDB4C / <b>99967928</b>     | 4 x 4           |
| F66GUC / <b>88133136</b>                 | LDB6C / <b>99967958</b>     | 6 x 6           |
| F88GUC / <b>88133255</b>                 | LDB8C / <b>99967972</b>     | 8 x 8           |
| F1212GUC / <b>88132836</b>               | LDB12C / <b>99951730</b>    | 12 x 12         |
| <b>Closure Plate (with knockouts)</b>    |                             |                 |
| F44GCP / <b>88132991</b>                 | LDB4CPKO / <b>99967930</b>  | 4 x 4           |
| F66GCP / <b>88133130</b>                 | LDB6CPKO / <b>99967960</b>  | 6 x 6           |
| F88GCP / <b>88133249</b>                 | LDB8CPKO / <b>99967973</b>  | 8 x 8           |
| F1212GCP / <b>88132830</b>               | LDB12CPKO / <b>99967901</b> | 12 x 12         |
| <b>Closure Plate (without knockouts)</b> |                             |                 |
| F44GCPNK / <b>88132992</b>               | LDB4CP / <b>99967929</b>    | 4 x 4           |
| F66GCPNK / <b>88133131</b>               | LDB6CP / <b>99967959</b>    | 6 x 6           |
| F88GCPNK / <b>88133250</b>               | LDB8CP / <b>99918617</b>    | 8 x 8           |

### Type 3R Wiring Trough

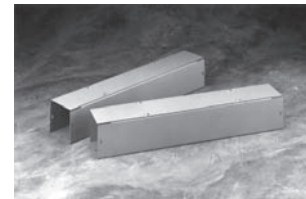
Hoffman® / Square D®



| Hoffman / Advanced ID       | Square D / Advanced ID   | Length (in.) | Duct Size (in.) |
|-----------------------------|--------------------------|--------------|-----------------|
| A4412RT / <b>88131858</b>   | RDB41 / <b>99951770</b>  | 12           | 4 x 4           |
| A4424RT / <b>88131859</b>   | RDB42 / <b>99951771</b>  | 24           | 4 x 4           |
| A4448RT / <b>88131864</b>   | RDB44 / <b>99894590</b>  | 48           | 4 x 4           |
| A6612RT / <b>88132023</b>   | RDB61 / <b>22000999</b>  | 12           | 6 x 6           |
| A6624RT / <b>88132024</b>   | RDB62 / <b>99951773</b>  | 24           | 6 x 6           |
| A6636RT / <b>88132025</b>   | RDB63 / <b>99951774</b>  | 36           | 6 x 6           |
| A6660RT / <b>88132033</b>   | RDB65 / <b>99951776</b>  | 60           | 6 x 6           |
| A6672RT / <b>88132035</b>   | RDB66 / <b>99951777</b>  | 72           | 6 x 6           |
| A8836RT / <b>88132199</b>   | RDB83 / <b>99951779</b>  | 36           | 8 x 8           |
| A8848RT / <b>88132200</b>   | RDB84 / <b>99951780</b>  | 48           | 8 x 8           |
| A8860RT / <b>88132204</b>   | RDB85 / <b>99951781</b>  | 60           | 8 x 8           |
| A121224RT / <b>99692726</b> | RDB122 / <b>99951768</b> | 24           | 12 x 12         |
| A121236RT / <b>99692727</b> | RDB123 / <b>99951769</b> | 36           | 12 x 12         |
| A121272RT / <b>99692729</b> | RDB126 / <b>99918621</b> | 72           | 12 x 12         |

### Type 1 Combination Screw-Hinge Cover WK

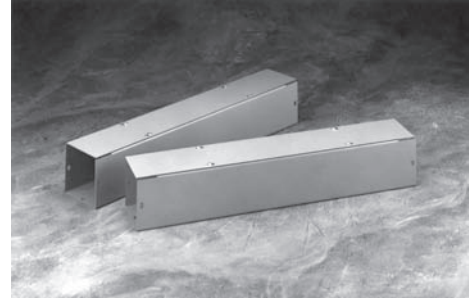
Hoffman® / Square D®



| Hoffman / Advanced ID      | Square D / Advanced ID    | Length (in.) | Duct Size (in.) |
|----------------------------|---------------------------|--------------|-----------------|
| F44G12WK / <b>88132974</b> | LDB41KO / <b>99967914</b> | 12           | 4 x 4           |
| F44G24WK / <b>88132977</b> | LDB42KO / <b>99945054</b> | 24           | 4 x 4           |
| F44G36WK / <b>88132979</b> | LDB43KO / <b>99967918</b> | 36           | 4 x 4           |
| F44G48WK / <b>88132982</b> | LDB44KO / <b>99967629</b> | 48           | 4 x 4           |
| F66G12WK / <b>88133114</b> | LDB61KO / <b>99967942</b> | 12           | 6 x 6           |
| F66G24WK / <b>88133116</b> | LDB62KO / <b>99967944</b> | 24           | 6 x 6           |
| F66G36WK / <b>88133118</b> | LDB63KO / <b>99967946</b> | 36           | 6 x 6           |
| F66G48WK / <b>88133122</b> | LDB64KO / <b>99967949</b> | 48           | 6 x 6           |

### Type 1 Combination Screw-Hinge Cover Wireway

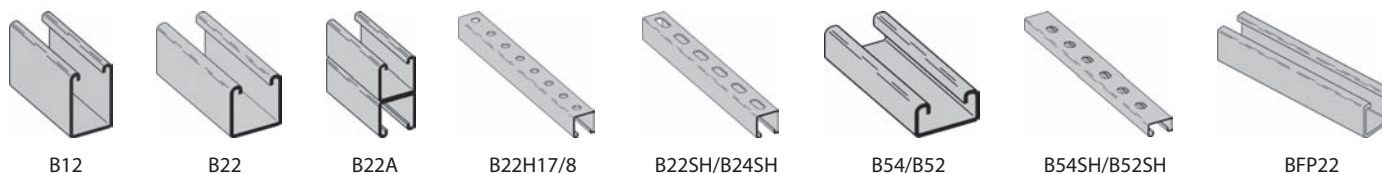
Hoffman® / Square D®



| Hoffman /<br>Advanced ID            | Square D /<br>Advanced ID         | Length (in.) | Duct Size<br>(in.) |
|-------------------------------------|-----------------------------------|--------------|--------------------|
| F44G12 / <a href="#">88132971</a>   | LDB41 / <a href="#">99967912</a>  | 12           | 4 x 4              |
| F44G24 / <a href="#">88132976</a>   | LDB42 / <a href="#">99967915</a>  | 24           | 4 x 4              |
| F44G36 / <a href="#">88132978</a>   | LDB43 / <a href="#">99967917</a>  | 36           | 4 x 4              |
| F44G48 / <a href="#">88132981</a>   | LDB44 / <a href="#">99967919</a>  | 48           | 4 x 4              |
| F44G60 / <a href="#">88132983</a>   | LDB45 / <a href="#">99967921</a>  | 60           | 4 x 4              |
| F44G72 / <a href="#">88301420</a>   | LDB46 / <a href="#">99967923</a>  | 72           | 4 x 4              |
| F44G120 / <a href="#">88132972</a>  | LDB410 / <a href="#">99967913</a> | 120          | 6 x 6              |
| F66G12 / <a href="#">88133111</a>   | LDB61 / <a href="#">99967939</a>  | 12           | 6 x 6              |
| F66G24 / <a href="#">88133115</a>   | LDB62 / <a href="#">99967943</a>  | 24           | 6 x 6              |
| F66G36 / <a href="#">88133117</a>   | LDB63 / <a href="#">99967945</a>  | 36           | 6 x 6              |
| F66G48 / <a href="#">88133121</a>   | LDB64 / <a href="#">99967947</a>  | 48           | 6 x 6              |
| F66G60 / <a href="#">88133123</a>   | LDB65 / <a href="#">99967951</a>  | 60           | 6 x 6              |
| F66G72 / <a href="#">88286158</a>   | LDB66 / <a href="#">99967953</a>  | 72           | 6 x 6              |
| F66G120 / <a href="#">88133112</a>  | LDB610 / <a href="#">99967940</a> | 120          | 6 x 6              |
| F88G24 / <a href="#">88133237</a>   | LDB82 / <a href="#">99892006</a>  | 24           | 8 x 8              |
| F88G36 / <a href="#">88133238</a>   | LDB83 / <a href="#">99961137</a>  | 36           | 8 x 8              |
| F88G48 / <a href="#">88133240</a>   | LDB84 / <a href="#">99918618</a>  | 48           | 8 x 8              |
| F88G60 / <a href="#">88133241</a>   | LDB85 / <a href="#">99961140</a>  | 60           | 8 x 8              |
| F88G72 / <a href="#">88133243</a>   | LDB86 / <a href="#">99967970</a>  | 72           | 8 x 8              |
| F88G120 / <a href="#">88133236</a>  | LDB810 / <a href="#">99967969</a> | 120          | 8 x 8              |
| F1212G24 / <a href="#">88132820</a> | LDB122 / <a href="#">99891613</a> | 24           | 12 x 12            |
| F1212G36 / <a href="#">88132821</a> | LDB123 / <a href="#">99951725</a> | 36           | 12 x 12            |
| F1212G48 / <a href="#">88132823</a> | LDB124 / <a href="#">99891614</a> | 48           | 12 x 12            |
| F1212G60 / <a href="#">88132824</a> | LDB125 / <a href="#">99939438</a> | 60           | 12 x 12            |

### Channel Strut Systems

#### Cooper B-Line



#### Benefits

- Inturned Lips Provides the Ability to Make Attachments at Any Point

| Mfg. No.            | Advanced ID     | Type                 | Thickness         | Material                         | Length | Hole Pattern   | Finish     |
|---------------------|-----------------|----------------------|-------------------|----------------------------------|--------|--|------------|
| B12-10FT GALV       | <b>88035024</b> | Single Channel       | 12 Gauge          | Steel                            | 10 ft. | Solid  | Pre-Galv   |
| B22-10FT ALUM       | <b>88035417</b> | Single Channel       | 0.105 in.         | Aluminum                         | 10 ft. | Solid  | Aluminum   |
| B22-10FT HDG        | <b>89010034</b> | Single Channel       | 12 Gauge          | Steel                            | 10 ft. | Solid  | HDG        |
| B22-10FT-GRN        | <b>88035419</b> | Single Channel       | 12 Gauge          | Steel                            | 10 ft. | Solid  | Dura-Green |
| B22-10FT-SS4        | <b>94057216</b> | Single Channel       | 12 Gauge          | Stainless Steel                  | 10 ft. | Solid  | 304 S.S.   |
| B22-20FT-GALV       | <b>88035422</b> | Single Channel       | 12 Gauge          | Steel                            | 20 ft. | Solid  | Pre-Galv   |
| B22A-10FT HDG       | <b>90084703</b> | Back to Back Channel | 12 Gauge          | Steel                            | 10 ft. | Solid  | HDG        |
| B22A-10FT-GALV      | <b>88035426</b> | Back to Back Channel | 12 Gauge          | Steel                            | 10 ft. | Solid  | Pre-Galv   |
| B22A-10FT-GRN       | <b>88035427</b> | Back to Back Channel | 12 Gauge          | Steel                            | 10 ft. | Solid  | Dura-Green |
| B22A-20FT-GALV      | <b>88035430</b> | Back to Back Channel | 12 Gauge          | Steel                            | 20 ft. | Solid  | Pre-Galv   |
| B22SHA-120-GLV      | <b>99564082</b> | Back to Back Channel | 13 Gauge          | Steel                            | 10 ft. | $\frac{9}{16} \times 1\frac{1}{8}$ in. Slots on 2 in. Cntr | Pre-Galv   |
| B22H17/8-10FT-GALV  | <b>88035530</b> | Single Channel       | 12 Gauge          | Steel                            | 10 ft. | $\frac{9}{16}$ in. Holes on $1\frac{1}{8}$ in. Cntr        | Pre-Galv   |
| B22H17/8-10FT-GRN   | <b>88035531</b> | Single Channel       | 12 Gauge          | Steel                            | 10 ft. | $\frac{9}{16}$ in. Holes on $1\frac{1}{8}$ in. Cntr        | Pre-Galv   |
| B22S-10FT-GALV      | <b>88035478</b> | Single Channel       | 12 Gauge          | Steel                            | 10 ft. | $\frac{13}{32} \times 3$ in. Slots on 3 in. Cntr           | Pre-Galv   |
| B22-SH-10FT SS4     | <b>90073820</b> | Single Channel       | 12 Gauge          | Stainless Steel                  | 10 ft. | $\frac{9}{16} \times 1\frac{1}{8}$ in. Slots on 2 in. Cntr | 304 S.S.   |
| B22SH-10FT-ALUM     | <b>88035485</b> | Single Channel       | 0.105 in.         | Aluminum                         | 10 ft. | $\frac{9}{16} \times 1\frac{1}{8}$ in. Slots on 2 in. Cntr | Aluminum   |
| B22SH-10FT-GALV     | <b>88035486</b> | Single Channel       | 12 Gauge          | Steel                            | 10 ft. | $\frac{9}{16} \times 1\frac{1}{8}$ in. Slots on 2 in. Cntr | Pre-Galv   |
| B22SH-10FT-GRN      | <b>88035487</b> | Single Channel       | 12 Gauge          | Steel                            | 10 ft. | $\frac{9}{16} \times 1\frac{1}{8}$ in. Slots on 2 in. Cntr | Dura-Green |
| B22SH-10FT-HDG      | <b>94005448</b> | Single Channel       | 12 Gauge          | Steel                            | 10 ft. | $\frac{9}{16} \times 1\frac{1}{8}$ in. Slots on 2 in. Cntr | HDG        |
| B22SH-20FT-GALV     | <b>88035490</b> | Single Channel       | 12 Gauge          | Steel                            | 10 ft. | $\frac{9}{16} \times 1\frac{1}{8}$ in. Slots on 2 in. Cntr | Pre-Galv   |
| B22SH-20FT-GRN      | <b>88035491</b> | Single Channel       | 12 Gauge          | Steel                            | 20 ft. | $\frac{9}{16} \times 1\frac{1}{8}$ in. Slots on 2 in. Cntr | Dura-Green |
| B24SH-10FT-GALV     | <b>88035608</b> | Single Channel       | 14 Gauge          | Steel                            | 10 ft. | $\frac{9}{16} \times 1\frac{1}{8}$ in. Slots on 2 in. Cntr | Pre-Galv   |
| B24SH-10FT-GRN      | <b>88035609</b> | Single Channel       | 14 Gauge          | Steel                            | 10 ft. | $\frac{9}{16} \times 1\frac{1}{8}$ in. Slots on 2 in. Cntr | Dura-Green |
| B52-10FT-GALV       | <b>88036446</b> | Single Channel       | 12 Gauge          | Steel                            | 10 ft. | Solid  | Pre-Galv   |
| B52-10FT-GRN        | <b>88036447</b> | Single Channel       | 12 Gauge          | Steel                            | 10 ft. | Solid  | Dura-Green |
| B52SH-10FT-GALV     | <b>88036545</b> | Single Channel       | 12 Gauge          | Steel                            | 10 ft. | $\frac{9}{16} \times 1\frac{1}{8}$ in. Slots on 2 in. Cntr | Pre-Galv   |
| B52SH-10FT-GRN      | <b>88036546</b> | Single Channel       | 12 Gauge          | Steel                            | 10 ft. | $\frac{9}{16} \times 1\frac{1}{8}$ in. Slots on 2 in. Cntr | Dura-Green |
| B54-10FT ALUM       | <b>88036565</b> | Single Channel       | 0.080 in.         | Aluminum                         | 10 ft. | Solid  | Aluminum   |
| B54-10FT GALV       | <b>88036566</b> | Single Channel       | 14 Gauge          | Steel                            | 10 ft. | Solid  | Pre-Galv   |
| B54-10FT GRN        | <b>88036567</b> | Single Channel       | 14 Gauge          | Steel                            | 10 ft. | Solid  | Dura-Green |
| B54H1-7/8-10FT-GALV | <b>88036611</b> | Single Channel       | 14 Gauge          | Steel                            | 10 ft. | $\frac{9}{16}$ in. Holes on $1\frac{1}{8}$ in. Cntr        | Pre-Galv   |
| B54SH-10FT-ALUM     | <b>88036603</b> | Single Channel       | 14 Gauge          | Aluminum                         | 10 ft. | $\frac{9}{16} \times 1\frac{1}{8}$ in. Slots on 2 in. Cntr | Aluminum   |
| B54SH-10FT-GRN      | <b>88036605</b> | Single Channel       | 14 Gauge          | Steel                            | 10 ft. | $\frac{9}{16} \times 1\frac{1}{8}$ in. Slots on 2 in. Cntr | Dura-Green |
| B54SH-10FT-HDG      | <b>97122334</b> | Single Channel       | 14 Gauge          | Steel                            | 10 ft. | $\frac{9}{16} \times 1\frac{1}{8}$ in. Slots on 2 in. Cntr | HDG        |
| B54SH-10FT-SS4      | <b>92040796</b> | Single Channel       | 14 Gauge          | Stainless Steel                  | 10 ft. | $\frac{9}{16} \times 1\frac{1}{8}$ in. Slots on 2 in. Cntr | 304 S.S.   |
| B56SH-10FT-GALV     | <b>88036649</b> | Single Channel       | 16 Gauge          | Steel                            | 10 ft. | $\frac{9}{16} \times 1\frac{1}{8}$ in. Slots on 2 in. Cntr | Pre-Galv   |
| BFP22-120           | <b>92140977</b> | Single Channel       | $\frac{1}{4}$ in. | Glass Reinforced Polyester Resin | 10 ft. | Solid  |            |

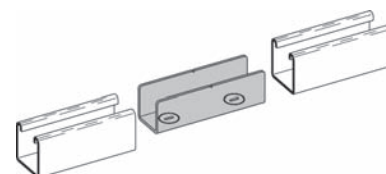
### Strut Joiner

#### Cooper B-Line

UL listed internal strut joiner.

#### Features

- Cast Aluminum

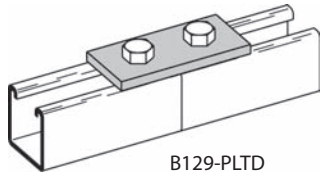


| Mfg. No.     | Advanced ID     | Finish        | Dimensions   |
|--------------|-----------------|---------------|--|
| B766-22-PLTD | <b>88036841</b> | Cast Aluminum | $1\frac{1}{8} \times 1\frac{1}{8} \times 4\frac{1}{2}$ L in. |

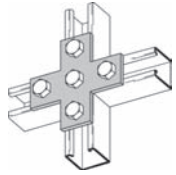


### Flat Strut Fittings

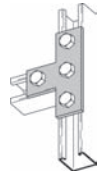
Cooper B-Line



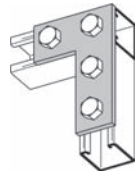
B129-PLTD



B132-PLTD



B133-GRN



B143-PLTD

A range of fittings designed to connect channel in the horizontal plane.

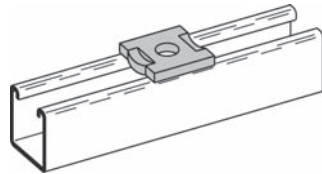
| Mfg. No.  | Advanced ID     | Dimensions  | Finish      | Hole Size |
|-----------|-----------------|---|-------------|-----------|
| B129-PLTD | <b>88035069</b> | 1 <sup>5</sup> / <sub>8</sub> x 3 <sup>1</sup> / <sub>2</sub> in. | Zinc Plated | -         |
| B132-PLTD | <b>88035075</b> | 5 <sup>3</sup> / <sub>8</sub> x 5 <sup>3</sup> / <sub>8</sub> in. | Zinc Plated | -         |
| B133-GRN  | <b>88035076</b> | 5 <sup>3</sup> / <sub>8</sub> x 3 <sup>1</sup> / <sub>2</sub> in. | Dura-Green  | -         |
| B143-PLTD | <b>88035099</b> | 5 <sup>3</sup> / <sub>8</sub> x 3 <sup>1</sup> / <sub>2</sub> in. | Zinc Plated | -         |
| B341-PLTD | <b>88036055</b> | 1 <sup>5</sup> / <sub>8</sub> x 7 <sup>1</sup> / <sub>4</sub> in. | Zinc Plated | -         |

### Square Washers

Cooper B-Line

Features

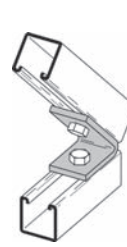
- 1/4 in. Steel, No Twist Design



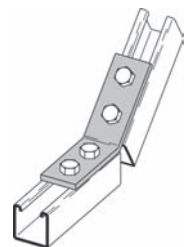
| Mfg. No.   | Advanced ID     | Dimensions  | Finish      | Hole Size             |
|------------|-----------------|---|-------------|-----------------------|
| B200-PLTD  | <b>88035256</b> | 1 <sup>5</sup> / <sub>8</sub> x 1 <sup>5</sup> / <sub>8</sub> in. | Zinc Plated | For 5/16 in. Hardware |
| B201-GRN   | <b>88035272</b> | 1 <sup>5</sup> / <sub>8</sub> x 1 <sup>5</sup> / <sub>8</sub> in. | Dura-Green  | For 3/8 in. Hardware  |
| B201D-PLTD | <b>88035301</b> | 1 <sup>5</sup> / <sub>8</sub> x 1 <sup>5</sup> / <sub>8</sub> in. | Zinc Plated | For 3/8 in. Hardware  |
| B202D-PLTD | <b>88035324</b> | 1 <sup>5</sup> / <sub>8</sub> x 1 <sup>5</sup> / <sub>8</sub> in. | Zinc Plated | For 1/2 in. Hardware  |

### Angle Fittings

Cooper B-Line



B155-PLTD



B248-PLTD

A range of fittings designed to connect channel at right angles.

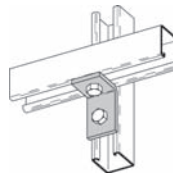
Features

- Steel Material, 1/4 in. Thickness, Two or Four Hole

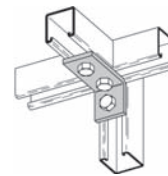
| Mfg. No.  | Advanced ID     | Type                        | Thickness Dimensions |                                     |
|-----------|-----------------|-----------------------------|----------------------|-------------------------------------|
| B154-PLTD | <b>88035113</b> | 2-Hole, 45°, Open Bracket   | 1/4 in.              | 1 <sup>5</sup> / <sub>8</sub> W in. |
| B155-PLTD | <b>88035115</b> | 2-Hole, 45°, Closed Bracket | 1/4 in.              | 1 <sup>5</sup> / <sub>8</sub> W in. |
| B248-PLTD | <b>88035645</b> | 4-Hole, 45° Open Bracket    | 1/4 in.              | 1 <sup>5</sup> / <sub>8</sub> W in. |
| B368-PLTD | <b>92053792</b> | 4-Hole, 45° Closed Bracket  | 1/4 in.              | 1 <sup>5</sup> / <sub>8</sub> W in. |

### Angle Bracket Fittings

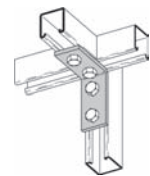
Cooper B-Line



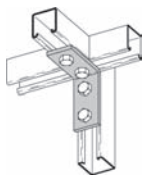
B101-PLTD



B102-PLTD



B104-GRN



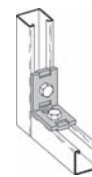
B104-PLTD



B115-PLTD



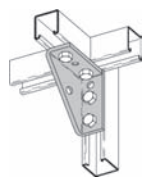
B230-PLTD



B231-PLTD



B232-PLTD



B844-PLTD

A range of fittings designed to connect channel at right angles.

Features

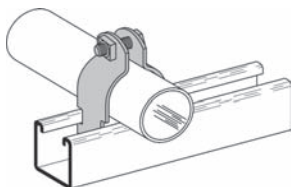
- 90° Angle, Steel, 1/4 in. Thickness
- 9/16 in. Bolt Hole Diameter
- Dimensions 1<sup>5</sup>/<sub>8</sub>W in.

| Mfg. No.  | Advanced ID     | Type                              | Thickness | Dimensions                          |
|-----------|-----------------|-----------------------------------|-----------|-------------------------------------|
| B101-PLTD | <b>88034919</b> | 2-Hole, 90°                       | 1/4 in.   | 1 <sup>5</sup> / <sub>8</sub> W in. |
| B102-PLTD | <b>88034921</b> | 3-Hole, 90°                       | 1/4 in.   | 1 <sup>5</sup> / <sub>8</sub> W in. |
| B104-GRN  | <b>88034924</b> | 4-Hole, 90°                       | 1/4 in.   | 1 <sup>5</sup> / <sub>8</sub> W in. |
| B104-PLTD | <b>88034925</b> | 4-Hole, 90°                       | 1/4 in.   | 1 <sup>5</sup> / <sub>8</sub> W in. |
| B115-PLTD | <b>88034993</b> | 4-Hole, 90°                       | 1/4 in.   | 1 <sup>5</sup> / <sub>8</sub> W in. |
| B230-PLTD | <b>88035535</b> | 2-Hole, 90°                       | 1/4 in.   | 1 <sup>5</sup> / <sub>8</sub> W in. |
| B231-PLTD | <b>88035555</b> | 2-Hole, 90° with No Twist Feature | 1/4 in.   | 1 <sup>5</sup> / <sub>8</sub> W in. |
| B232-PLTD | <b>88035557</b> | 3-Hole, 90°                       | 1/4 in.   | 1 <sup>5</sup> / <sub>8</sub> W in. |
| B844-PLTD | <b>88036848</b> | 7-Hole, 90° with Gusset           | 1/4 in.   | 1 <sup>5</sup> / <sub>8</sub> W in. |

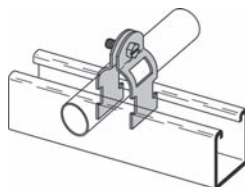


### Pipe Clamps - Channel Accessories

Cooper B-Line



B2000 series pipe clamps



B2200 series pipe clamps



Break-apart pipe clamps



Vibra clamp

Clamps used to secure conduit or pipe to strut.

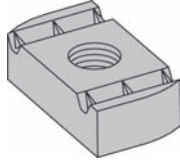
#### Features

- Pre-Assembled, Slotted Hex Head Screw and Nut

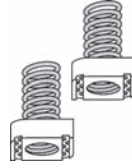
| Mfg. No.           | advanced ID              | Pipe or Conduit Size            | Type                      | Thickness |
|--------------------|--------------------------|---------------------------------|---------------------------|-----------|
| B2001PA-1/2-PLTD   | <a href="#">88303125</a> | 1/2 in. EMT                     | 2-Piece 1-Bolt            | 16 Gauge  |
| B2002PA-3/4-PLTD   | <a href="#">88303124</a> | 3/4 in. EMT                     | 2-Piece 1-Bolt            | 16 Gauge  |
| B2003PA-1-PLTD     | <a href="#">88303123</a> | 1 in. EMT                       | 2-Piece 1-Bolt            | 14 Gauge  |
| B2004PA-1-1/4-PLTD | <a href="#">88303122</a> | 1 1/4 in. EMT                   | 2-Piece 1-Bolt            | 14 Gauge  |
| B2005PA-1-1/2-PLTD | <a href="#">88303121</a> | 1 1/2 in. EMT                   | 2-Piece 1-Bolt            | 12 Gauge  |
| B2006PA-2-PLTD     | <a href="#">88303120</a> | 2 in. EMT                       | 2-Piece 1-Bolt            | 12 Gauge  |
| B2009PA-3/4-PLTD   | <a href="#">88303118</a> | 3/4 in. Rigid Conduit or Pipe   | 2-Piece 1-Bolt            | 14 Gauge  |
| B2010PA-1 HDG      | <a href="#">22081101</a> | 1 in. Rigid Conduit or Pipe     | 2-Piece 1-Bolt            | 14 Gauge  |
| B2010PA-1-PLTD     | <a href="#">88035276</a> | 1 in. Rigid Conduit or Pipe     | 2-Piece 1-Bolt            | 14 Gauge  |
| B2010SS4           | <a href="#">94026533</a> | 1 in. Rigid Conduit or Pipe     | 2-Piece 1-Bolt            | 14 Gauge  |
| B2012PA-1-1/2-PLTD | <a href="#">88035281</a> | 1 1/2 in. Rigid Conduit or Pipe | 2-Piece 1-Bolt            | 12 Gauge  |
| B2013PA-2-PLTD     | <a href="#">88035284</a> | 2 in. Rigid Conduit or Pipe     | 2-Piece 1-Bolt            | 12 Gauge  |
| B2014PA-2-1/2-PLTD | <a href="#">98402786</a> | 2 1/2 in. Rigid Conduit or Pipe | 2-Piece 1-Bolt            | 12 Gauge  |
| B2015PA-3-PLTD     | <a href="#">88035290</a> | 3 in. Rigid Conduit or Pipe     | 2-Piece 1-Bolt            | 12 Gauge  |
| B2017PA-4-PLTD     | <a href="#">88303116</a> | 4 in. Rigid Conduit or Pipe     | 2-Piece 1-Bolt            | 11 Gauge  |
| B2208-1/2-PLTD     | <a href="#">88035504</a> | 1/2 in. EMT, IMC or Rigid       | 2-Piece 1-Bolt Multi-Grip | 16 Gauge  |
| B2209PA-3/4-PLTD   | <a href="#">88035509</a> | 3/4 in. EMT, IMC or Rigid       | 2-Piece 1-Bolt Multi-Grip | 14 Gauge  |
| B2210PA-1-PLTD     | <a href="#">88035515</a> | 1 in. EMT, IMC or Rigid         | 2-Piece 1-Bolt Multi-Grip | 14 Gauge  |
| B2211PA-1-1/4-PLTD | <a href="#">88035518</a> | 1 1/4 in. EMT, IMC or Rigid     | 2-Piece 1-Bolt Multi-Grip | 14 Gauge  |
| B2212PA-1-1/2-PLTD | <a href="#">88035521</a> | 1 1/2 in. EMT, IMC or Rigid     | 2-Piece 1-Bolt Multi-Grip | 12 Gauge  |
| BPC-8              | <a href="#">92140773</a> | 1/2 in. Rigid or EMT            | One Piece Break-Apart     | -         |
| BPC-12             | <a href="#">92140774</a> | 3/4 in. Rigid or EMT            | One Piece Break-Apart     | -         |
| BPC-16             | <a href="#">92140768</a> | 1 in. Rigid or EMT              | One Piece Break-Apart     | -         |
| BPC-20             | <a href="#">92140776</a> | 1 1/4 in. Rigid or EMT          | One Piece Break-Apart     | -         |
| BPC-24             | <a href="#">92140775</a> | 1 1/2 in. Rigid or EMT          | One Piece Break-Apart     | -         |
| BPC-32             | <a href="#">92140769</a> | 2 in. Rigid or EMT              | One Piece Break-Apart     | -         |
| BPC-40             | <a href="#">99431753</a> | 2 1/2 in. Rigid or EMT          | One Piece Break-Apart     | -         |
| BPC-48             | <a href="#">99431754</a> | 3 in. Rigid or EMT              | One Piece Break-Apart     | -         |
| BPC-56             | <a href="#">99431755</a> | 3 1/2 in. Rigid or EMT          | One Piece Break-Apart     | -         |
| BPC-64             | <a href="#">99431756</a> | 4 in. Rigid or EMT              | One Piece Break-Apart     | -         |
| BVT037             | <a href="#">93152174</a> | 3/8 in. OD                      | Vibra Clamp               | -         |
| BVT050             | <a href="#">93152172</a> | 1/2 in. OD                      | Vibra Clamp               | -         |
| BVT062             | <a href="#">93152173</a> | 5/8 in. OD                      | Vibra Clamp               | -         |

### Channel Nuts

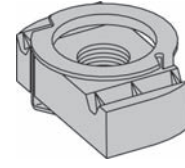
Cooper B-Line



Springless channel nuts



Channel nuts with spring



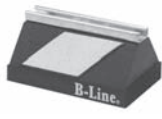
Twirl nuts

Channel nuts

| Mfg. No.          | Advanced ID              | Type           | Thread Size | Thickness | For Use With                 |
|-------------------|--------------------------|----------------|-------------|-----------|------------------------------|
| N224 - 1/4 - PLTD | <a href="#">88036919</a> | Spring Nut     | 1/4 in.-20  | 1/4 in.   | B22, B24, B26, B32           |
| N224WO            | <a href="#">88036921</a> | Springless Nut | 1/4 in.-20  | 1/4 in.   | All Channel Except B62 & B72 |
| N225              | <a href="#">88036922</a> | Spring Nut     | 1/2 in.-13  | 1/2 in.   | B22, B24, B26, B36           |
| N225SS6L          | <a href="#">91016585</a> | Spring Nut     | 1/2 in.-13  | 1/2 in.   | B22, B24, B26, B35           |
| N225WO            | <a href="#">88036924</a> | Springless Nut | 1/2 in.-13  | 1/2 in.   | B11, B12, B22, B24, B26, B32 |
| N228 - 3/8 - PLTD | <a href="#">88036927</a> | Spring Nut     | 3/8 in.-16  | 3/8 in.   | B22, B24, B26, B34           |
| N228SS6L          | <a href="#">91016584</a> | Spring Nut     | 3/8 in.-16  | 3/8 in.   | B22, B24, B26, B34           |
| N228WO            | <a href="#">88036929</a> | Springless Nut | 3/8 in.-16  | 3/8 in.   | All Channel Except B62 & B74 |
| N255              | <a href="#">88036942</a> | Spring Nut     | 5/8 in.-11  | 1/2 in.   | B22, B24, B26, B37           |
| N524              | <a href="#">88036951</a> | Twirl Nut      | 1/4 in.-20  | 1/4 in.   | All Channel Except B62 & B72 |
| TN224             | <a href="#">88037078</a> | Twirl Nut      | 1/4 in.-20  | 1/4 in.   | All Channel Except B62 & B73 |
| TN225             | <a href="#">88037079</a> | Twirl Nut      | 1/2 in.-13  | 1/2 in.   | All Channel Except B62 & B77 |
| TN228             | <a href="#">88037081</a> | Twirl Nut      | 3/8 in.-16  | 3/8 in.   | All Channel Except B62 & B75 |

### Rooftop Supports

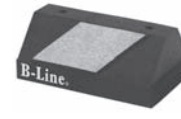
Cooper B-Line



C10



CE10-12



CXP

Pre-assembled conduit clamp, rubber rooftop support blocks.

#### Features

- Made From 100% Recycled Rubber, Environmentally Friendly
- For Use with Piping and Conduit

| Mfg. No. | Advanced ID              | Description                 | Type                               | Features |
|----------|--------------------------|-----------------------------|------------------------------------|----------|
| C10      | <a href="#">88303125</a> | Pre-assembled Conduit Clamp | Rubber Base with Mounted Strut     | -        |
| CE10-12  | <a href="#">88303123</a> | Pre-assembled Conduit Clamp | Rubber Base with Adjustable Height | -        |
| CXP      | <a href="#">88303124</a> | Pre-assembled Conduit Clamp | Rubber Base                        | -        |

### Threaded Rod

Cooper B-Line



| Mfg. No.            | Advanced ID              | Description                            | Design Load |
|---------------------|--------------------------|--|-------------|
| ATR 1/2-13-10FTPLTD | <a href="#">97127734</a> | 1/2-13 in., 10 ft., Steel, Zinc Plated | 1130 lb     |
| ATR 1/2-13-6FTPLTD  | <a href="#">88037044</a> | 1/2-13 in., 6 ft., Steel Zinc Plated   | 1130 lb     |
| ATR 1/4-20-10FTPLTD | <a href="#">97127730</a> | 1/4-20 in., 10 ft., Steel, Zinc Plated | 240 lb      |
| ATR 1/4-20-6FTPLTD  | <a href="#">88037048</a> | 1/4-20 in., 6 ft., Steel, Zinc Plated  | 240 lb      |
| ATR 3/8-16-10FTPLTD | <a href="#">97201841</a> | 3/8-16 in., 10 ft., Steel, Zinc Plated | 610 lb      |
| ATR 5/8-11-10FTPLTD | <a href="#">88037060</a> | 5/8-11 in., 10 ft., Steel, Zinc Plated | 1810 lb     |

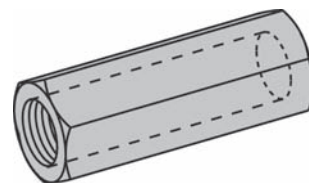
### Threaded Rod Coupler

Cooper B-Line

Couples two pieces of threaded rod.

Features

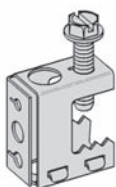
- Zinc Plated Steel



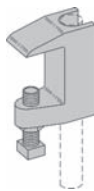
| Mfg. No.      | Advanced ID     | Dimensions       | Design Load | Thread Size |
|---------------|-----------------|------------------|-------------|-------------|
| B655-1/4-PLTD | <b>88036775</b> | 7/8 in. Length   | 240 lb      | 1/4 in.-20  |
| B655-1/2-PLTD | <b>88036776</b> | 1 3/4 in. Length | 1130 lb     | 1/2 in.-13  |
| B655-3/8-PLTD | <b>88036778</b> | 1 1/8 in. Length | 610 lb      | 3/8 in.-16  |

### Beam Clamps

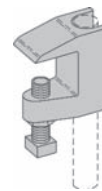
Cooper B-Line



BC1



B3033



B3034

Features

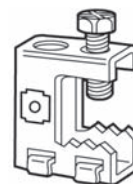
- Wedge C-Clamp Style, Safety Factor of 5
- Zinc Plated or Zinc Phosphate

| Mfg. No.       | Advanced ID     | Rod Size               | Load Rating | Jaw Opening                        |
|----------------|-----------------|------------------------|-------------|------------------------------------|
| BC1            | <b>90041398</b> | Up to 3/8 in. Diameter | 100 lb      | Up to 1/2 in. Flange Thickness     |
| B3033-3/8-PLTD | <b>88035831</b> | 3/8-16 in.             | 500 lb      | Up to 1 15/16 in. Flange Thickness |
| B3034-3/8-PLTD | <b>88035834</b> | 3/8-16 in.             | 400 lb      | Up to 3/4 in. Flange Thickness     |

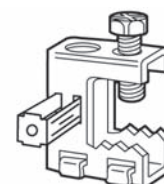
### Beam Clamps

ERICO®

Easy installation to beam flanges up to 1/2 in.



BC



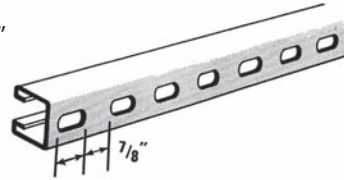
BCISN375

| Mfg. No. | Advanced ID     | Rod Size | Load Rating | Jaw Opening |
|----------|-----------------|----------|-------------|-------------|
| BC       | <b>88091870</b> | 3/8 in.  | 100 lb.     | 1/2 in.     |
| BCISN375 | <b>22073018</b> | 3/8 in.  | 100 lb.     | 1 in.       |

### Channels

Superstrut®

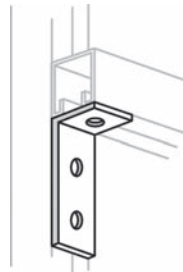
Sizes are as follows: A-1200 Series:  $1\frac{5}{8} \times 1\frac{1}{8}$ , B-1200 Series:  $1\frac{5}{8} \times \frac{3}{16}$ ,  
A-1400 Series:  $1\frac{5}{8} \times 1\frac{1}{8}$ , B-1400 Series:  $1\frac{5}{8} \times \frac{3}{16}$ .



| Mfg. No.       | Advanced ID              | Type              | Thickness | Material            | Length | Hole Pattern  | Finish              |
|----------------|--------------------------|-------------------|-----------|---------------------|--------|---|---------------------|
| A1200-10       | <a href="#">88252327</a> | 1-Channel Solid   | 12 Ga.    | Hot Rolled Steel    | 10 ft. | Solid   | Gold Galv.          |
| A1200-10-GR    | <a href="#">90042052</a> | 1-Channel Solid   | 12 Ga.    | Hot Rolled Steel    | 10 ft. | Solid   | Green Powder Coated |
| A1200-10-HDG   | <a href="#">88313889</a> | 1-Channel Solid   | 12 Ga.    | Hot Rolled Steel    | 10 ft. | Solid   | Hot-Dipped Galv.    |
| A1200HS-10     | <a href="#">88252331</a> | 1-Channel Slotted | 12 Ga.    | Hot Rolled Steel    | 10 ft. | $\frac{9}{16} \times 1\frac{1}{8}$ in. on 2 in. Ctr | Gold Galv.          |
| A1200HS-10-GR  | <a href="#">90042054</a> | 1-Channel Slotted | 12 Ga.    | Hot Rolled Steel    | 10 ft. | $\frac{9}{16} \times 1\frac{1}{8}$ in. on 2 in. Ctr | Green Powder Coated |
| A1200HS-10-HDG | <a href="#">90060081</a> | 1-Channel Slotted | 12 Ga.    | Hot Rolled Steel    | 10 ft. | $\frac{9}{16} \times 1\frac{1}{8}$ in. on 2 in. Ctr | Hot-Dipped Galv.    |
| A1200HS-10-PG  | <a href="#">88252332</a> | 1-Channel Slotted | 12 Ga.    | Hot Rolled Steel    | 10 ft. | $\frac{9}{16} \times 1\frac{1}{8}$ in. on 2 in. Ctr | Zinc Pre-Galv.      |
| A1200HS-10SS   | <a href="#">91012003</a> | 1-Channel Slotted | 12 Ga.    | 304 Stainless Steel | 10 ft. | $\frac{9}{16} \times 1\frac{1}{8}$ in. on 2 in. Ctr | 304 Stainless Steel |
| A1200HS-20     | <a href="#">88252333</a> | 1-Channel Slotted | 12 Ga.    | Hot Rolled Steel    | 20 ft. | $\frac{9}{16} \times 1\frac{1}{8}$ in. on 2 in. Ctr | Gold Galv.          |
| A1200S-10      | <a href="#">88252343</a> | 1-Channel Slotted | 12 Ga.    | Hot Rolled Steel    | 10 ft. | $\frac{7}{16} \times 3$ in. on 4 in. Ctr            | Gold Galv.          |
| A1200S-10-PG   | <a href="#">88252344</a> | 1-Channel Slotted | 12 Ga.    | Hot Rolled Steel    | 10 ft. | $\frac{7}{16} \times 3$ in. on 4 in. Ctr            | Zinc Pre-Galv.      |
| A1400HS-10     | <a href="#">88252354</a> | 1-Channel Slotted | 14 Ga.    | Hot Rolled Steel    | 10 ft. | $\frac{9}{16} \times 1\frac{1}{8}$ in. on 2 in. Ctr | Gold Galv.          |
| A1400HS-10-PG  | <a href="#">90075044</a> | 1-Channel Slotted | 14 Ga.    | Hot Rolled Steel    | 10 ft. | $\frac{9}{16} \times 1\frac{1}{8}$ in. on 2 in. Ctr | Zinc Pre-Galv.      |
| B1200HS-10     | <a href="#">88252550</a> | 1-Channel Slotted | 12 Ga.    | Hot Rolled Steel    | 10 ft. | $\frac{9}{16} \times 1\frac{1}{8}$ in. on 2 in. Ctr | Gold Galv.          |
| B1200HS-10-PG  | <a href="#">88252551</a> | 1-Channel Slotted | 12 Ga.    | Hot Rolled Steel    | 10 ft. | $\frac{9}{16} \times 1\frac{1}{8}$ in. on 2 in. Ctr | Zinc Pre-Galv.      |
| B1400HS-10     | <a href="#">88252570</a> | 1-Channel Slotted | 14 Ga.    | Hot Rolled Steel    | 10 ft. | $\frac{9}{16} \times 1\frac{1}{8}$ in. on 2 in. Ctr | Gold Galv.          |
| B1400HS-10-GR  | <a href="#">90042042</a> | 1-Channel Slotted | 14 Ga.    | Hot Rolled Steel    | 10 ft. | $\frac{9}{16} \times 1\frac{1}{8}$ in. on 2 in. Ctr | Green Powder Coated |
| B1400S-10-PG   | <a href="#">88313887</a> | 1-Channel Slotted | 14 Ga.    | Hot Rolled Steel    | 10 ft. | $\frac{7}{16} \times 3$ in. on 4 in. Ctr            | Zinc Pre-Galv.      |
| B1400HS-10-PG  | <a href="#">88252571</a> | 1-Channel Slotted | 14 Ga.    | Hot Rolled Steel    | 10 ft. | $\frac{9}{16} \times 1\frac{1}{8}$ in. on 2 in. Ctr | Zinc Pre-Galv.      |

### 90° Channel Fittings

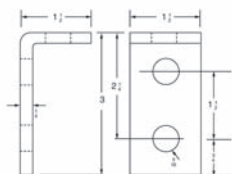
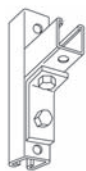
Superstrut®



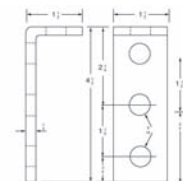
| Mfg. No. | Advanced ID              | Type             | Thickness         | Dimensions   |
|----------|--------------------------|------------------|-------------------|--|
| AB201    | <a href="#">88252443</a> | Connector 2-Hole | $\frac{1}{4}$ in. | $2\frac{1}{4} \times 1\frac{5}{8} \times 1\frac{5}{8}$ in. |
| AB202    | <a href="#">88252444</a> | Connector 2-Hole | $\frac{1}{4}$ in. | $2 \times 1\frac{7}{8} \times 1\frac{5}{8}$ in.            |
| AB203    | <a href="#">88252445</a> | Connector 3-Hole | $\frac{1}{4}$ in. | $4\frac{1}{8} \times 1\frac{5}{8} \times 1\frac{5}{8}$ in. |
| AB204    | <a href="#">88252446</a> | Connector 3-Hole | $\frac{1}{4}$ in. | $3\frac{1}{2} \times 2\frac{1}{4} \times 1\frac{5}{8}$ in. |
| AB205-EG | <a href="#">93175675</a> | Connector 4-Hole | $\frac{1}{4}$ in. | $4\frac{1}{8} \times 3\frac{1}{2} \times 1\frac{5}{8}$ in. |

### 90° Angle Connector

Steel City®



B915



B916

#### Benefits

- Can Also be Used as Side Beam Connector to Suspend 1 1/2 in. Hanger Rod

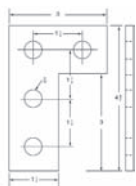
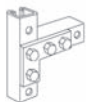
#### Features

- \* 9/16 in. Bolt Hole Diameter, Can be Used as Side Beam Connector to Suspend 1/2 in. Hanger Rod

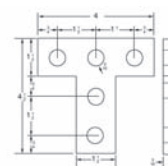
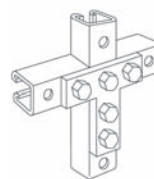
| Mfg. No. | Advanced ID     | Type                   | Thickness | Dimensions        |
|----------|-----------------|------------------------|-----------|-------------------|
| B915     | <b>88255511</b> | Connector Angle 2-Hole | 1/4 in.   | 1 1/2 x 3 in.     |
| B916     | <b>88255512</b> | Connector Angle 3-Hole | 1/4 in.   | 1 1/2 x 4 1/2 in. |
| B917     | <b>88255513</b> | Connector Angle 5-Hole | 1/4 in.   | 3 x 4 1/2 in.     |

### Flat Fittings

Steel City®



B936

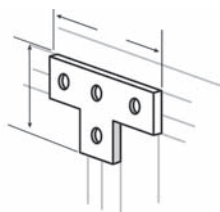


B937

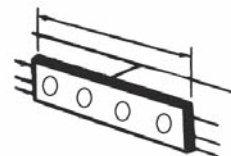
| Mfg. No. | Advanced ID     | Dimensions    | Finish                   | Hole Size |
|----------|-----------------|---------------|--------------------------|-----------|
| B936     | <b>88255530</b> | 4 1/2 x 3 in. | Galv-Krom, Bronze Luster | 9/16 in.  |
| B937     | <b>88255531</b> | 4 x 4 1/2 in. | Galv-Krom, Bronze Luster | 9/16 in.  |

### Flat Fittings

Superstrut®



AB220

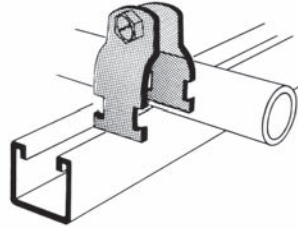


X207

| Mfg. No.  | Advanced ID     | Dimensions                           | Finish          | Hole Size |
|-----------|-----------------|--------------------------------------|-----------------|-----------|
| AB219     | <b>88252455</b> | 3 1/2 x 3 1/2 in.                    | Gold Galvanized | -         |
| AB220     | <b>88252456</b> | 5 3/8 x 3 1/2 in.                    | Gold Galvanized | -         |
| AB241-3/8 | <b>88252484</b> | 1 5/8 x 1 5/8 in., 3/8 in. Bolt Size | Gold Galvanized | -         |
| X207      | <b>88253045</b> | 7 1/4 x 1 5/8 in.                    | Gold Galvanized | -         |

### Pipe and Conduit - Clamps

Superstrut®



#### Benefits

- Bolt Head is Combination Slot and Hex Head for Flexibility of Attachment
- Square Nut is Captivated on the Shoulder for Easy One-Handed Tightening
- Straps Are Interchangeable with 1½ in. Strut, for Broader Application
- Straps Are Shipped Assembled so Counting and Sorting Are Easier
- Pipe or Conduit Sizes Are Shown on the Strap for Easy Identification

| Mfg. No.      | Advanced ID              | Pipe or Conduit Size                    | Type                           | Thickness |
|---------------|--------------------------|---|--------------------------------|-----------|
| 700-1/2-EG    | <a href="#">95012725</a> | 0.706 in. Pipe O.D.                     | 2-Piece 1-Bolt                 | 16 Gauge  |
| 700-1-EG      | <a href="#">95012727</a> | 1.163 in. Pipe O.D.                     | 2-Piece 1-Bolt                 | 14 Gauge  |
| 700-1-1/4-EG  | <a href="#">95012729</a> | 1.508 in. Pipe O.D.                     | 2-Piece 1-Bolt                 | 14 Gauge  |
| 700-1/2-STR   | <a href="#">88252237</a> | 0.706 in. Pipe O.D.                     | 2-Piece 1-Bolt                 | 16 Gauge  |
| 700-3/4-STR   | <a href="#">88252240</a> | 0.922 in. Pipe O.D.                     | 2-Piece 1-Bolt                 | 16 Gauge  |
| 700-1-1/2-STR | <a href="#">88252235</a> | 1.738 in. Pipe O.D.                     | 2-Piece 1-Bolt                 | 14 Gauge  |
| 700-2-EG      | <a href="#">95012730</a> | 2.195 in. Pipe O.D.                     | 2-Piece 1-Bolt                 | 14 Gauge  |
| 702-3/4-EG    | <a href="#">91032082</a> | 1.050 in. Pipe and Rigid or IMC Conduit | 2-Piece 1-Bolt                 | 14 Gauge  |
| 702-1-EG      | <a href="#">92090122</a> | 1.315 in. Pipe and Rigid or IMC Conduit | 2-Piece 1-Bolt                 | 14 Gauge  |
| 702-1-1/4-EG  | <a href="#">91032084</a> | 1.660 in. Pipe and Rigid or IMC Conduit | 2-Piece 1-Bolt                 | 14 Gauge  |
| 702-1-1/2-EG  | <a href="#">91032085</a> | 1.900 in. Pipe and Rigid or IMC Conduit | 2-Piece 1-Bolt                 | 14 Gauge  |
| 702-2-EG      | <a href="#">92090118</a> | 2.375 in. Pipe and Rigid or IMC Conduit | 2-Piece 1-Bolt                 | 14 Gauge  |
| 702-2-1/2-EG  | <a href="#">91032087</a> | 2.875 in. Pipe and Rigid or IMC Conduit | 2-Piece 1-Bolt                 | 12 Gauge  |
| 702-3         | <a href="#">88252301</a> | 3.500 in. Pipe and Rigid or IMC Conduit | 2-Piece 1-Bolt                 | 12 Gauge  |
| 702-3-EG      | <a href="#">92090117</a> | 3.500 in. Pipe and Rigid or IMC Conduit | 2-Piece 1-Bolt                 | 12 Gauge  |
| 702-3-1/2-EG  | <a href="#">91032089</a> | 4.000 in. Pipe and Rigid or IMC Conduit | 2-Piece 1-Bolt                 | 11 Gauge  |
| 702-4-EG      | <a href="#">92090116</a> | 4.500 in. Pipe and Rigid or IMC Conduit | 2-Piece 1-Bolt                 | 11 Gauge  |
| 703-1/2-EG    | <a href="#">91032091</a> | 0.706-0.840 in. Pipe O.D.               | 2-Piece 1-Bolt Universal Strap | 16 Gauge  |
| 703-3/4-EG    | <a href="#">91032092</a> | 0.932-1.050 in. Pipe O.D.               | 2-Piece 1-Bolt Universal Strap | 14 Gauge  |
| 703-1-EG      | <a href="#">91032093</a> | 1.163-1.315 in. Pipe O.D.               | 2-Piece 1-Bolt Universal Strap | 14 Gauge  |
| 703-1-1/4-EG  | <a href="#">91032094</a> | 1.508-1.660 in. Pipe O.D.               | 2-Piece 1-Bolt Universal Strap | 14 Gauge  |
| 703-1-1/2-EG  | <a href="#">91032095</a> | 1.738 - 1.900 in. Pipe O.D.             | 2-Piece 1-Bolt Universal Strap | 14 Gauge  |
| 703-2-EG      | <a href="#">94047074</a> | 2.195 - 2.375 in. Pipe O.D.             | 2-Piece 1-Bolt Universal Strap | 14 Gauge  |

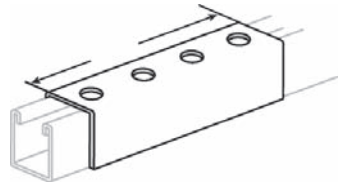
Other Finishes Available / Electro Galvanized Shown.

### Clevis Fittings

Superstrut®

#### Benefits

- Does Not Include Strut, Nut or Bolts
- For "A" Series Channel

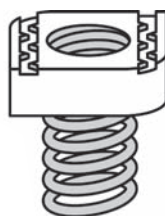


| Mfg. No. | Advanced ID              | Features                                     | Type                 | Thickness | Material                | For Use With     |
|----------|--------------------------|--|----------------------|-----------|-------------------------|------------------|
| A208     | <a href="#">88252401</a> | 9/16 in. Bolt Hole Dia. on 1-7/8 in. Centers | 4-Hole Clevis Splice | 1/4 in.   | Hot Rolled Carbon Steel | A Series Channel |



### Channel Nuts

Superstrut®



Spring Nut

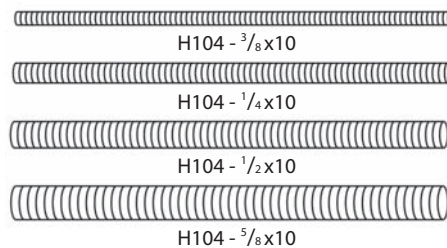
| Mfg. No.  | Advanced ID     | Type             | Thread Size | Thickness | For Use With                                 |
|-----------|-----------------|------------------|-------------|-----------|--|
| A100-1/2  | <b>88252320</b> | Spring Nut       | 1/2-13 in.  | 1/2 in.   | All A and C Series Channel and Inserts       |
| A100-5/8  | <b>88252325</b> | Spring Nut       | 5/8-11 in.  | 13/32 in. | All A and C Series Channel and Inserts       |
| B100-1/4  | <b>88252541</b> | Short Spring Nut | 1/4-20 in.  | 1/4 in.   | All B Series Channel and Inserts             |
| B100-3/8  | <b>88252543</b> | Short Spring Nut | 3/8-16 in.  | 3/8 in.   | All B Series Channel and Inserts             |
| CM100-1/4 | <b>88252686</b> | Nylon Cone Nut   | 1/4-20 in.  | .350 in.  | For 1 5/8 in. Channel, Will Not Fit B Series |
| CM100-3/8 | <b>88252687</b> | Nylon Cone Nut   | 3/8-16 in.  | 3/8 in.   | For 1 5/8 in. Channel, Will Not Fit B Series |

### H-104 - Hanger Rod: Continuous Threaded

Superstrut®

Benefits

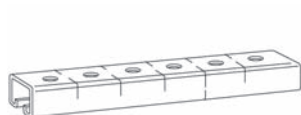
- Black Available Upon Request
- Standard Lengths 6, 10 and 12 ft.



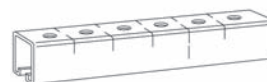
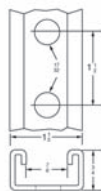
| Mfg. No.    | Advanced ID     | Description                         | Design Load |
|-------------|-----------------|-------------------------------------|-------------|
| H104-1/4X10 | <b>88252816</b> | 1/4-20 in., 10 ft., Steel, GoldGalv | 150 lb      |
| H104-3/8X10 | <b>88252834</b> | 3/8-16 in., 10 ft., Steel, GoldGalv | 610 lb      |
| H104-1/2X10 | <b>88252808</b> | 1/2-13 in., 10 ft., Steel, GoldGalv | 1130 lb     |
| H104-5/8X10 | <b>88252842</b> | 5/8-11 in., 10 ft., Steel, GoldGalv | 1810 lb     |

### Steel Channel - Strut

Steel City®



B907-10



B995-10



Features

- Connection by Continuous Open Slot or 9/16 in. Holes on 1 1/2 in. Center
- Sizes are as follows: B903-10: 1 1/2 x 3, B905-10SS: 1 1/2 x 1 1/2, B907-10: 1 1/2 x 3/4, B995-10: 1 1/2 x 1 1/2

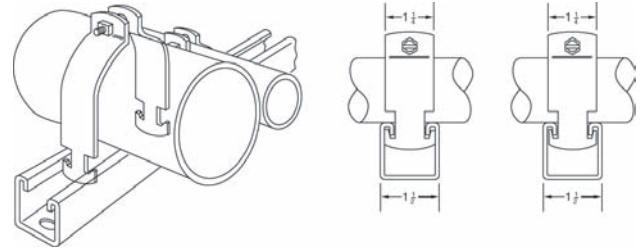
| Mfg. No.  | Advanced ID     | Type    | Thickness | Material        | Length | Hole Pattern                 | Finish          |
|-----------|-----------------|---------|-----------|-----------------|--------|------------------------------|-----------------|
| B903-10   | <b>88255449</b> | Slotted | 12 Gauge  | Steel           | 10 ft. | 9/16 in. on 1 1/2 in. Center | Galv-Krom       |
| B905-10SS | <b>93177352</b> | Slotted | 12 Gauge  | Stainless Steel | 10 ft. | 9/16 in. on 1 1/2 in. Center | Stainless Steel |
| B907-10   | <b>88255477</b> | Slotted | 14 Gauge  | Steel           | 10 ft. | 9/16 in. on 1 1/2 in. Center | Galv-Krom       |
| B995-10   | <b>88255545</b> | Slotted | 12 Gauge  | Steel           | 10 ft. | 9/16 in. on 1 1/2 in. Center | Galv-Krom       |

### Pipe and Conduit Clamps

Steel City®

Benefits

- All Kindorf Straps Are Pre-Assembled for Easy Handling and Sorting



| Mfg. No.   | Advanced ID     | Pipe or Conduit Size  | Type           | Thickness |
|------------|-----------------|---|----------------|-----------|
| C105-1/2   | <b>88255550</b> | 1/2 in. Rigid or Pipe, 7/8 in. O.D.                                 | 2-Piece 1-Bolt | 14 Gauge  |
| C105-3/4   | <b>88255555</b> | 3/4 in. Rigid or Pipe, 1 in. O.D.                                   | 2-Piece 1-Bolt | 14 Gauge  |
| C105-1     | <b>88255547</b> | 1 in. Rigid or Pipe, 1 1/4 and 1 3/8 in. O.D.                       | 2-Piece 1-Bolt | 14 Gauge  |
| C105-1-1/4 | <b>88255549</b> | 1 1/4 in. Rigid or Pipe, 1 5/8 in. O.D.                             | 2-Piece 1-Bolt | 14 Gauge  |
| C105-1-1/2 | <b>88255548</b> | 1 1/2 in. Rigid or Pipe, 1 7/8 and 2 in. O.D.                       | 2-Piece 1-Bolt | 14 Gauge  |
| C105-2     | <b>88255551</b> | 2 in. Rigid or Pipe, 2 3/8 and 2 1/2 in. O.D.                       | 2-Piece 1-Bolt | 14 Gauge  |
| C105-2-1/2 | <b>88255552</b> | 2 1/2 in. Rigid or Pipe, 2 1/2 in. EMT, 2 3/4 and 2 7/8 in. O.D.    | 2-Piece 1-Bolt | 12 Gauge  |
| C105-3     | <b>88255553</b> | 3 in. Rigid or Pipe, 3 in. EMT, 3 7/8, 4 and 4 1/8 in. O.D.         | 2-Piece 1-Bolt | 12 Gauge  |
| C105-3-1/2 | <b>88255554</b> | 3 1/2 in. Rigid or Pipe, 3 1/2 in. EMT, 3 7/8, 4 and 4 1/8 in. O.D. | 2-Piece 1-Bolt | 11 Gauge  |
| C105-4     | <b>88255557</b> | 4 in. Rigid or Pipe, 4 in. EMT, 4 3/8, 4 1/2 and 4 5/8 in. O.D.     | 2-Piece 1-Bolt | 11 Gauge  |
| C200-3/4   | <b>93145682</b> | 3/4 in. EMT, Rigid, or IMC, 0.922-1.060 in. O.D.                    | 2-Piece 1-Bolt | 14 Gauge  |

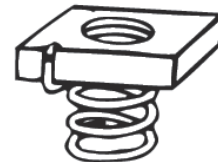
Other Finishes Available

### Channel Nuts

Steel City®



Springless Nut



Self-Holding Clamping Nut with Spring

Benefits

- For Use with All Kindorf Channels

| Mfg. No. | Advanced ID     | Type                                  | Thread Size | Thickness | For Use With         |
|----------|-----------------|---------------------------------------|-------------|-----------|----------------------|
| B910-3/8 | <b>88255484</b> | Springless Nut                        | 3/8-16 in.  | 5/16 in.  | All Kindorf Channel  |
| B911-1/2 | <b>88255486</b> | Self-Holding Clamping Nut with Spring | 1/2-13 in.  | 3/8 in.   | 1/2 in. Deep Channel |
| B911-1/4 | <b>88255490</b> | Self-Holding Clamping Nut with Spring | 1/4-20 in.  | 3/16 in.  | 1/2 in. Deep Channel |
| B912-1/4 | <b>88255500</b> | Self-Holding Clamping Nut with Spring | 1/2-20 in.  | 3/16 in.  | 3/4 in. Deep Channel |
| B912-3/8 | <b>88255501</b> | Self-Holding Clamping Nut with Spring | 3/8-16 in.  | 5/16 in.  | 3/4 in. Deep Channel |

### Continuous Threaded Rod

Steel City®

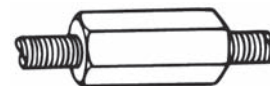


### Steel Rod Couplings

Steel City®

Benefits

- For Coupling Lengths of H and R Series Hanger Rod
- Right-Hand Threaded
- Threads Tapered to Lock Rods in



| Mfg. No. | Advanced ID | Description                       | Design Load                   |
|----------|-------------|-----------------------------------|-------------------------------|
| R628     | 88254253    | 1/4-20, 6 ft., Steel, Galvanized  | 150 lb. Ultimate Load Rating  |
| R638     | 88254254    | 3/8-16, 6 ft., Steel, Galvanized  | 150 lb. Ultimate Load Rating  |
| R648     | 88254255    | 1/2-13, 6 ft., Steel, Galvanized  | 610 lb. Ultimate Load Rating  |
| R1028    | 88254250    | 1/4-20, 10 ft., Steel, Galvanized | 1130 lb. Ultimate Load Rating |
| R1038    | 88254251    | 3/8-16, 10 ft., Steel, Galvanized | 610 lb. Ultimate Load Rating  |
| R1048    | 88254252    | 1/2-13, 10 ft., Steel, Galvanized | 1130 lb. Ultimate Load Rating |

| Place    | Mfg. No. | Advanced ID     | Design Load | Thread Size |
|----------|----------|-----------------|-------------|-------------|
| H195-1/4 | 88255945 | 3/8 x 3/8 in.   | 240 lb.     | 1/4-20 in.  |
| H195-3/8 | 88255946 | 1 1/8 x 1/2 in. | 610 lb.     | 3/8-16 in.  |

### Beam Clamps - Malleable

Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / RACO® / Steel City®



| Tap     | Size<br>Base (in.) | Design Load               |                     |                    |                      |
|---------|--------------------|---------------------------|---------------------|--------------------|----------------------|
|         |                    | Bridgeport Fittings, Inc. | Cooper Crouse-Hinds | RACO               | Steel City           |
| 1/4-20  | 1                  | 951<br>(88032309)         | 531<br>(88073711)   | 2524<br>(88217954) | 500-SC<br>(88253739) |
| 10-24   | 1                  | 951-A<br>(88032310)       | 530<br>(88073710)   | -                  | 509<br>(88253747)    |
| 5/16-18 | 1 1/2              | 952<br>(88032311)         | 532<br>(88073712)   | 2536<br>(88217959) | 501<br>(88253740)    |
| 3/8-16  | 2                  | 953<br>(88032312)         | 533<br>(88073713)   | 2538<br>(88217960) | 502<br>(88253741)    |
| 1/2-13  | 2 1/2              | 954<br>(88032313)         | 534<br>(94073143)   | 2510<br>(88217947) | 503SC<br>(88253742)  |

Note:  
Advanced ID in  
blue.

### Insulator Support Beam Clamps

Bridgeport Fittings, Inc.



Malleable



Steel

Benefits

- Single Screw Beam Clamp Insulator Support with Two Threaded Holes

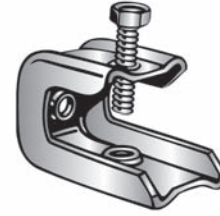
| Mfg. No. | Advanced ID | Type      | Size      | Rod Size | Material       | Jaw Spread | Capacity | Beam Width |
|----------|-------------|-----------|-----------|----------|----------------|------------|----------|------------|
| 951      | 88032309    | Malleable | 1 in.     | 1/4-20   | Malleable Iron | 3/4 in.    | 125 lb.  | 3/4        |
| 951-A    | 88032310    | Malleable | 1 in.     | 10-24    | Malleable Iron | 3/4 in.    | 100 lb.  | 3/4        |
| 951-S    | 92126048    | Steel     | 1 in.     | 1/4-20   | Steel          | 3/4 in.    | 100 lb.  | 3/4        |
| 952      | 88032311    | Malleable | 1 1/2 in. | 5/16-18  | Malleable Iron | 11/16 in.  | 300 lb.  | 1/2        |
| 953      | 88032312    | Malleable | 2 in.     | 3/8-16   | Malleable Iron | 7/8 in.    | 300 lb.  | 3/4        |
| 953-S    | 92126049    | Steel     | 2 in.     | 3/8-16   | Steel          | 7/8 in.    | 200 lb.  | 3/4        |
| 954      | 88032313    | Malleable | 2 1/2 in. | 1/2-13   | Malleable Iron | 1 in.      | 600 lb.  | 1          |

### Beam Clamps

Minerallac Fastening Systems



Malleable Steel Beam Clamp



Universal Beam Clamp

Zinc plated steel beam clamps.

#### Features

- Malleable and Universal
- Case Hardened Set Screw with Cup Point

| Mfg. No. | Advanced ID              | Type      | Size                        | Rod Size | Material       | Jaw Spread    | Capacity | Beam Width |
|----------|--------------------------|-----------|-----------------------------|----------|----------------|---------------|----------|------------|
| 600      | <a href="#">88173521</a> | Universal | 1/4-20 tap                  | 1/4 in.  | Steel          | 1/2 in.       | 100 lb   | 1/2 in.    |
| 602      | <a href="#">88173523</a> | Universal | 3/8-16 tap-bottom hole only | 3/8 in.  | Steel          | 3/4 in.       | 200 lb   | 3/4 in.    |
| 602B     | <a href="#">88173524</a> | Universal | 3/8-16 tap                  | 3/8 in.  | Steel          | 3/4 in.       | 200 lb   | 3/4 in.    |
| 700      | <a href="#">88173538</a> | Malleable | 1/4-20 tap                  | 1/4 in.  | Malleable Iron | Up to 7/8 in. | 125 lb   | 3/4 in.    |
| 702      | <a href="#">88173541</a> | Malleable | 3/8-16 tap                  | 3/8 in.  | Malleable Iron | Up to 1 in.   | 300 lb   | 3/4 in.    |

### MC/AC Cable Support Bracket MCS Series

ERICO®

Neatly isolates, supports and secures MC/AC cables.



MCS100

| Mfg. No. | Advanced ID              | Description                                 |
|----------|--------------------------|---|
| MCS50    | <a href="#">22057263</a> | MC/AC Cable Support Spacer for up to 4 Runs |
| MCS100   | <a href="#">22057264</a> | MC/AC Cable Support Spacer for up to 9 Runs |

### Metal and Non-Metallic Perimeter System Raceway

#### Wiremold



5500BD3



5500C



5400TB



5400TC



V500/V700



V2400BC



V3000B



G4000B-10



G4000D

#### Benefits

- UL Listed
- 600V AC

#### Features

- Single and Dual Channel Designs Meet All Capacity Needs
- Durable Construction; Tamper Resistant
- Great for School, Office or Residential Applications
- Accommodates Communication and Power Wiring

| Mfg. No.                                     | Advanced ID              | Description                 | Length | Color | Size (in.)  |
|--|--------------------------|-----------------------------|--------|-------|---|
| <b>Non Metallic Raceway</b>                  |                          |                             |        |       |   |
| <b>5500 Series- Three Equal Compartments</b> |                          |                             |        |       |   |
| 5500BD3                                      | <a href="#">22114268</a> | Divided Raceway Base        | 10 ft. | Ivory | 1 <sup>11</sup> / <sub>16</sub> X 6 <sup>11</sup> / <sub>16</sub> |
| 5500C  | <a href="#">94007774</a> | Raceway Cover               | 10 ft. | Ivory | 6 <sup>3</sup> / <sub>8</sub>                                     |
| <b>5400 Series - Two Equal Compartments</b>  |                          |                             |        |       |   |
| 5400TB                                       | <a href="#">97252555</a> | Divided Raceway Base        | 8 ft.  | Ivory | 1 <sup>11</sup> / <sub>16</sub> X 5 <sup>1</sup> / <sub>4</sub>   |
| 5400TC                                       | <a href="#">97279209</a> | Twin Raceway Cover          | 8 ft.  | Ivory | 2 <sup>9</sup> / <sub>16</sub>                                    |
| <b>Metal Raceway</b>                         |                          |                             |        |       |   |
| <b>One Piece</b>                             |                          |                             |        |       |   |
| V500   | <a href="#">88299213</a> | Raceway 500                 | 10 ft. | Ivory | 1 <sup>7</sup> / <sub>32</sub> X 3 <sup>3</sup> / <sub>4</sub>    |
| V700   | <a href="#">88299220</a> | Raceway 700                 | 10 ft. | Ivory | 2 <sup>1</sup> / <sub>32</sub> X 3 <sup>3</sup> / <sub>4</sub>    |
| <b>Two Piece</b>                             |                          |                             |        |       |   |
| V2400B                                       | <a href="#">90057429</a> | Raceway Base 2400           | 5 ft.  | Ivory | 1 <sup>29</sup> / <sub>32</sub> X 7 <sup>7</sup> / <sub>8</sub>   |
| V2400B-10                                    | <a href="#">22109005</a> | Raceway Base 2400           | 10 ft. | Ivory | 1 <sup>29</sup> / <sub>32</sub> X 7 <sup>7</sup> / <sub>8</sub>   |
| V2400C                                       | <a href="#">90057431</a> | Raceway Cover 2400          | 5 ft.  | Ivory | 1 <sup>29</sup> / <sub>32</sub>                                   |
| V2400BC                                      | <a href="#">90094446</a> | Raceway Base And Cover 2400 | 5 ft.  | Ivory | 1 <sup>29</sup> / <sub>32</sub> X 7 <sup>7</sup> / <sub>8</sub>   |
| V2400BD*                                     | <a href="#">99472172</a> | Raceway Divided Base 2400   | 10 ft. | Ivory | 1 <sup>29</sup> / <sub>32</sub> X 7 <sup>7</sup> / <sub>8</sub>   |
| V3000B                                       | <a href="#">95021556</a> | Raceway Base 3000           | 10 ft. | Ivory | 1 <sup>15</sup> / <sub>32</sub> X 2 <sup>3</sup> / <sub>4</sub>   |
| V3000CE                                      | <a href="#">96009037</a> | Raceway Cover 3000          | 5 ft.  | Ivory | 2 <sup>3</sup> / <sub>4</sub>                                     |
| V4000B-10                                    | <a href="#">93152491</a> | Raceway Base V4000          | 10 ft. | Ivory | 1 <sup>3</sup> / <sub>4</sub> X 4 <sup>3</sup> / <sub>4</sub>     |
| V4000C                                       | <a href="#">93152492</a> | Raceway Cover 4000          | 5 ft.  | Ivory | 4 <sup>3</sup> / <sub>4</sub>                                     |
| G4000D                                       | <a href="#">88279696</a> | Divider 4000                | 5 ft.  | Buff  | 1 <sup>17</sup> / <sub>32</sub>                                   |

\*Divided into 1/2 and 2/3 compartments

### Non-Metallic Perimeter Systems - Fittings

Wiremold



Fittings for use with Wiremold NM Perimeter Systems.

#### Benefits

- UL Listed
- 600V AC
- Fully Compatible with Ortronics® TracJack and Series II Devices
- FiberReady® Fittings

#### Features

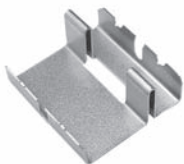
- Single and Dual Channel Designs Meet All Capacity Needs
- Durable Construction; Tamper Resistant
- Great for School, Office or Residential Applications

| Mfg. No. | Advanced ID              | Type                                   | Color | For Use With    |
|----------|--------------------------|--|-------|-----------------|
| 5514A    | <a href="#">94058054</a> | Back End Connector with KOs 3-1/2-1    | Ivory | 5500 NM Raceway |
| 5506B    | <a href="#">97123522</a> | Base Seam Clip                         | Ivory | 5500 NM Raceway |
| 5406A    | <a href="#">97253402</a> | Cover Clip                             | Ivory | 5400 NM Raceway |
| 5506     | <a href="#">94033056</a> | Cover Clip                             | Ivory | 5500 NM Raceway |
| 5406T    | <a href="#">97279200</a> | Cover Clip TC                          | Ivory | 5400 NM Raceway |
| 5510     | <a href="#">94007800</a> | End Cap                                | Ivory | 5500 NM Raceway |
| 5410     | <a href="#">95006740</a> | End Cap 4-1/2 in KO 1/2                | Ivory | 5400 NM Raceway |
| 5510D    | <a href="#">94058048</a> | Entrance End Ftg with KOs 1/2, 3/4 - 2 | Ivory | 5500 NM Raceway |
| 5418     | <a href="#">95006744</a> | Ext. Elbow                             | Ivory | 5400 NM Raceway |
| 5518     | <a href="#">94007777</a> | Ext. Elbow                             | Ivory | 5500 NM Raceway |
| 5518FO   | <a href="#">99437772</a> | FiberReady Ext. Elbow                  | Ivory | 5500 NM Raceway |
| 5511FO   | <a href="#">98333691</a> | FiberReady Flat Elbow                  | Ivory | 5500 NM Raceway |
| 5411FO   | <a href="#">98333689</a> | FiberReady Flat Elbow                  | Ivory | 5400 NM Raceway |
| 5417FO   | <a href="#">98333690</a> | FiberReady Int. Elbow                  | Ivory | 5400 NM Raceway |
| 5517FO   | <a href="#">98333692</a> | FiberReady Int. Elbow                  | Ivory | 5500 NM Raceway |
| 5415     | <a href="#">95006742</a> | Tee                                    | Ivory | 5400 NM Raceway |
| 5515     | <a href="#">94007775</a> | Tee/Take-Off Connector                 | Ivory | 5500 NM Raceway |
| 5474     | <a href="#">95006745</a> | Transition Tap Ftg                     | Ivory | 5400 NM Raceway |
| 5574A    | <a href="#">95006746</a> | Transition Ftg 5500 to 5400            | Ivory | 5500 NM Raceway |
| 5574     | <a href="#">94058055</a> | Transition Ftg 5500 for 400, 800, 2300 | Ivory | 5500 NM Raceway |
| 5400TWC  | <a href="#">97256285</a> | Twin Snap Cover Wire Clip              | Ivory | 5400 NM Raceway |

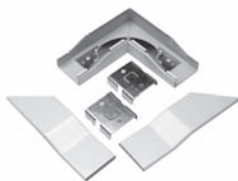


### Perimeter Systems - Fittings

#### Wiremold



2401D



V2411FO



V2489



V3010AE



V3017TCE



5781



V5715



V5786

Fittings for use with Wiremold Metal Perimeter Systems.

#### Benefits

- UL Listed
- 600V AC
- Fully Compatible with Ortronics® TracJack and Series II Devices
- FiberReady® Fittings

#### Features

- Single and Dual Channel Designs Meet All Capacity Needs
- Durable Construction; Tamper Resistant
- Great for School, Office or Residential Applications

| Mfg. No. | Advanced ID              | Description                             | Color | For Use With             |
|----------|--------------------------|---|-------|--------------------------|
| 2401D    | <a href="#">99472162</a> | Divided Coupling 2400                   | Ivory | V2400BD Raceway          |
| V2410A   | <a href="#">90057438</a> | Steel Entrance End Fitting 2400         | Ivory | 2400 Metal Raceway       |
| V2410BD  | <a href="#">99472163</a> | Steel Divided End Blank 2400            | Ivory | 2400 Metal Raceway       |
| V2410DFO | <a href="#">99533503</a> | Divided Entrance End FiberReady Fitting | Ivory | 2400/2400D Metal Raceway |
| V2411DFO | <a href="#">99709605</a> | Divided Flat FiberReady Elbow           | Ivory | 2400 Metal Raceway       |
| V2411FO  | <a href="#">99969661</a> | Flat FiberReady Elbow                   | Ivory | 2400 Metal Raceway       |
| 2401     | <a href="#">90057436</a> | Steel Coupling 2400                     | Ivory | 2400 Metal Raceway       |
| V2417DFO | <a href="#">99533505</a> | Divided Int. FiberReady Elbow           | Ivory | 2400 Metal Raceway       |
| V2489    | <a href="#">91009347</a> | Steel Side Reducer To 500 2400          | Ivory | 2400 Metal Raceway       |
| G3001    | <a href="#">88279650</a> | Galvanized Steel Coupling 3000          | Gray  | 3000 Metal Raceway       |
| G3001A   | <a href="#">88279651</a> | Galvanized Inside Rigid Coupling 3000   | Gray  | 3000 Metal Raceway       |
| G3006E   | <a href="#">88279654</a> | Steel Cover Clip 3000                   | Gray  | 3000 Metal Raceway       |
| G3007C   | <a href="#">88279655</a> | Steel Device Bracket 3000               | Gray  | 3000 Metal Raceway       |
| G3010AE  | <a href="#">88279659</a> | Steel Entrance End Fitting 3000         | Gray  | 3000 Metal Raceway       |
| G3010B   | <a href="#">88279660</a> | Steel Blank End Fitting 3000            | Gray  | 3000 Metal Raceway       |
| G3010C   | <a href="#">88279661</a> | Steel Entrance End Fitting 3000         | Gray  | 3000 Metal Raceway       |

Continued ➤

### Perimeter Systems - Fittings

#### Wiremold

| Mfg. No. | Advanced ID     | Description                     | Color | For Use With              |
|----------|-----------------|---------------------------------|-------|---------------------------|
| G3011E   | <b>88279662</b> | Steel Flat 90° Elbow 3000       | Gray  | 3000 Metal Raceway        |
| G3015E   | <b>88279664</b> | Steel Tee 3000                  | Gray  | 3000 Metal Raceway        |
| G3017TCE | <b>88279666</b> | Steel Int. Corner Coupling 3000 | Gray  | 3000 Metal Raceway        |
| G3018AE  | <b>88279667</b> | Steel Ext. Corner Coupling 3000 | Gray  | 3000 Metal Raceway        |
| V3006E   | <b>96009039</b> | Steel Cover Clip 3000           | Ivory | 3000 Metal Raceway        |
| V3010AE  | <b>95021561</b> | Steel Entrance End Fitting 3000 | Ivory | 3000 Metal Raceway        |
| V3010B   | <b>95021560</b> | Steel Blank End Fitting 3000    | Ivory | 3000 Metal Raceway        |
| V3010C   | <b>96009040</b> | Steel Entrance End Fitting 3000 | Ivory | 3000 Metal Raceway        |
| V3011E   | <b>96009041</b> | Steel 90° Flat Elbow 3000       | Ivory | 3000 Metal Raceway        |
| V3015E   | <b>96009043</b> | Steel Tee 3000                  | Ivory | 3000 Metal Raceway        |
| V3017TCE | <b>96009035</b> | Steel Int. Corner Coupling 3000 | Ivory | 3000 Metal Raceway        |
| V3018AE  | <b>95021559</b> | Steel Ext. Corner Coupling 3000 | Ivory | 3000 Metal Raceway        |
| 4001A    | <b>99547880</b> | Steel Coupling 4000             | -     | 4000 Metal Raceway        |
| 4001DA   | <b>99554578</b> | Divider Clip                    | -     | 4000 Metal Raceway        |
| G4010B   | <b>88279703</b> | Steel Blank End Fitting 4000    | Gray  | 4000 Metal Raceway        |
| G4010DFO | <b>99804506</b> | FiberReady Entrance End Fitting | Gray  | 4000 Metal Raceway        |
| G4011    | <b>88279705</b> | Steel Flat 90° Elbow 4000       | Gray  | 4000 Metal Raceway        |
| G4017    | <b>88279710</b> | Steel Int. Elbow 4000           | Gray  | 4000 Metal Raceway        |
| G4018    | <b>88279713</b> | Steel Ext. Elbow 4000           | Gray  | 4000 Metal Raceway        |
| V4010B   | <b>93152495</b> | Steel Blank End Fitting 4000    | Ivory | 4000 Metal Raceway        |
| V4010DFO | <b>99726933</b> | FiberReady Entrance End Fitting | Ivory | 4000 Metal Raceway        |
| V4011    | <b>93152501</b> | Steel Flat 90° Elbow 4000       | Ivory | 4000 Metal Raceway        |
| V4011FO  | <b>97217192</b> | 2 in. Radius Flat Elbow V4000   | Ivory | 4000 Metal Raceway        |
| V4017    | <b>95009251</b> | Steel Int. Elbow 4000           | Ivory | 4000 Metal Raceway        |
| V4017FO  | <b>97217193</b> | 2 in. Radius Int. Elbow         | Ivory | 4000 Metal Raceway        |
| V4018    | <b>93152504</b> | Steel Ext. Elbow 4000           | Ivory | 4000 Metal Raceway        |
| 5781     | <b>88279446</b> | Steel Box Connector 1/2 in.     | -     | 500 and 700 Metal Raceway |
| 5782     | <b>88279448</b> | Steel Conduit Connector 1/2 in. | -     | 500 and 700 Metal Raceway |
| 5790B    | <b>88279455</b> | Steel Armored Cable Connector   | -     | 500 and 700 Metal Raceway |
| V5700F   | <b>88299207</b> | Steel Flex Section              | Ivory | 500 and 700 Metal Raceway |
| V5715    | <b>88299191</b> | Steel Tee                       | Ivory | 500 and 700 Metal Raceway |
| V5785    | <b>88299169</b> | Steel Combo Connector           | Ivory | 500 and 700 Metal Raceway |
| V5786    | <b>88299170</b> | Steel Adjust Offset Connector   | Ivory | 500 and 700 Metal Raceway |
| V506     | <b>88299215</b> | Steel Connection Cover 500      | Ivory | 500 Metal Raceway         |
| V511     | <b>88299216</b> | Steel Flat 90° Elbow 500        | Ivory | 500 Metal Raceway         |
| V517     | <b>88299218</b> | Steel Int. Elbow 500            | Ivory | 500 Metal Raceway         |
| V518     | <b>88299219</b> | Steel Ext. Elbow 500            | Ivory | 500 Metal Raceway         |
| V706     | <b>88299202</b> | Cover Clip                      | Ivory | 700 Metal Raceway         |
| V711     | <b>88299203</b> | Steel Flat 90° Elbow 700        | Ivory | 700 Metal Raceway         |
| V717     | <b>88299205</b> | Steel Int. Elbow 700            | Ivory | 700 Metal Raceway         |
| V718     | <b>88299206</b> | Steel Ext. Elbow 700            | Ivory | 700 Metal Raceway         |
| V5703    | <b>88299208</b> | Steel Support Clip              | Ivory | 500 and 700 Metal Raceway |
| V504     | <b>88299214</b> | Steel Strap 500                 | Ivory | 500 Metal Raceway         |
| V704     | <b>88299201</b> | Steel Strap 700                 | Ivory | 700 Metal Raceway         |

### Steel Device Boxes for Perimeter Systems

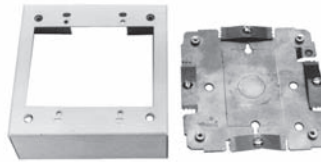
Wiremold



V2435D



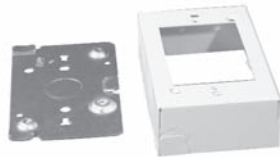
V2444



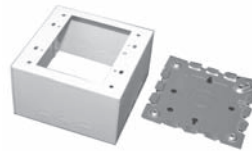
V2448-2



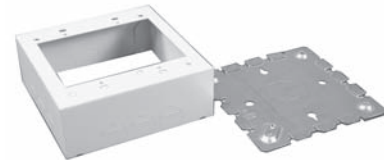
V5737



V5741



V5744-2



V5744S



V5751-2

#### Features

- Material: Steel
- Device Boxes for Use with Wiremold Perimeter Systems

| Mfg. No.  | Advanced ID              | Description   | For Use With                           | Color |
|-----------|--------------------------|---|--|-------|
| V2435D    | <a href="#">99472167</a> | Divided Steel Horizontal Feed Box 2400 w $\frac{3}{4}$ x 1 in. KO $\frac{1}{2}$ | V2400 Metal Raceway                    | Ivory |
| V2444     | <a href="#">99472171</a> | Steel Extra Deep Box  | V2400 Metal Raceway with V500 and V700 | Ivory |
| V2444D    | <a href="#">99476079</a> | Over The Raceway Box Deep   | V2400 Metal Raceway and V2400 BD & D   | Ivory |
| V2444D-2A | <a href="#">22002143</a> | Raceway Device Box Deep   | V2400 Metal Raceway and V2400 D        | Ivory |
| V2448-2   | <a href="#">94011058</a> | Steel Switch And Recept Box   | V2400 Metal Raceway                    | Ivory |
| V5737     | <a href="#">88299181</a> | Steel Ext. Box Open Base  | V500 and V700 Metal Raceway            | Ivory |
| V5737A    | <a href="#">88299182</a> | Steel Ext. Box Open Base  | V500 and V700 Metal Raceway            | Ivory |
| V5738     | <a href="#">88299183</a> | Steel Fix Box Solid Base  | V500 and V700 Metal Raceway            | Ivory |
| V5738A    | <a href="#">88299184</a> | Steel Fix Box Solid Base  | V500 and V700 Metal Raceway            | Ivory |
| V5739     | <a href="#">88299185</a> | Steel Fix Box Solid Base  | V500 and V700 Metal Raceway            | Ivory |
| V5741     | <a href="#">88299187</a> | Steel Device Box Shallow  | V500 and V700 Metal Raceway            | Ivory |
| V5744     | <a href="#">88299188</a> | Steel Extra Deep Dev Box  | V500 and V700 Metal Raceway            | Ivory |
| V5744-2   | <a href="#">88299171</a> | Steel Extra Deep Dev Box  | V500 and V700 Metal Raceway            | Ivory |
| V5744S    | <a href="#">88299189</a> | Steel Deep Dev Box  | V500 and V700 Metal Raceway            | Ivory |
| V5744S-2A | <a href="#">88299190</a> | Steel Deep Dev Box  | V500 and V700 Metal Raceway            | Ivory |
| V5745     | <a href="#">88299172</a> | Steel Comb Dev Box  | V500 and V700 Metal Raceway            | Ivory |
| V5747     | <a href="#">88299173</a> | Steel Shallow Device Box  | V500 and V700 Metal Raceway            | Ivory |
| V5747-2   | <a href="#">88299174</a> | Steel Shallow Device Box 2G   | V500 and V700 Metal Raceway            | Ivory |
| V5748     | <a href="#">88299176</a> | Steel Device Box Deep   | V500 and V700 Metal Raceway            | Ivory |
| V5748-2   | <a href="#">88299178</a> | Steel Device Box 2G Deep  | V500 and V700 Metal Raceway            | Ivory |
| V5748-3   | <a href="#">88299179</a> | Steel Device Box 3G Deep  | V500 and V700 Metal Raceway            | Ivory |
| V5748S    | <a href="#">88299177</a> | Steel Shallow Dev Box   | V500 and V700 Metal Raceway            | Ivory |
| V5751     | <a href="#">88299180</a> | Steel Flush Ext.  | V500 and V700 Metal Raceway            | Ivory |
| V5751-2   | <a href="#">88299166</a> | Steel Flush Ext. 2G   | V500 and V700 Metal Raceway            | Ivory |

### Perimeter Systems - Covers and Faceplates

Wiremold



Covers and faceplates for use with Wiremold Perimeter Systems.

| Mfg. No. | Advanced ID              | Description                            | Color | Gang   |
|----------|--------------------------|--|-------|--------|
| 5507B    | <a href="#">94025570</a> | NM Blank Faceplate 5500                | Ivory | Single |
| 5507D    | <a href="#">94007798</a> | NM Duplex Faceplate 5500               | Ivory | Single |
| 5507FRJ  | <a href="#">96029845</a> | RJ11/RJ45 NM Flush Faceplate 5500      | Ivory | Single |
| 5507R    | <a href="#">94035870</a> | NM Rect Faceplate 5500                 | Ivory | Single |
| 5507RJ   | <a href="#">94034772</a> | RJ11/RJ45 NM Dual RJ Device Plate 5500 | Ivory | Single |
| G4047C-1 | <a href="#">22120323</a> | Steel Device Plate 4000/6000 Series    | Gray  | Single |
| G4047BB  | <a href="#">22123406</a> | Steel Duplex Plate 2G 4000             | Gray  | Double |
| G4047BX  | <a href="#">22123404</a> | Steel Duplex Receptacle 4000           | Gray  | Single |
| V4047C-1 | <a href="#">22120321</a> | Steel Device Plate 4000                | Ivory | Single |
| V4047BB  | <a href="#">22123405</a> | Steel Duplex Plate 2G 4000             | Ivory | Double |
| V4047BX  | <a href="#">22123403</a> | Steel Duplex Receptacle 4000           | Ivory | Single |
| G3033JE  | <a href="#">88279671</a> | Steel Recept Plate 3000                | Gray  | Single |
| G3043BE  | <a href="#">88279674</a> | Steel Duplex Recept Plate 3000         | Gray  | Single |
| G3046BE  | <a href="#">88279678</a> | Steel Duplex Recept Plate 3000         | Gray  | Single |
| G3048R   | <a href="#">95023271</a> | Steel Rect Device Plate 3000           | Gray  | Single |
| V3033JE  | <a href="#">96009022</a> | Steel Recept Plate 3000                | Ivory | Single |
| V3043BE  | <a href="#">95021562</a> | Steel Duplex Recept Plate 3000         | Ivory | Single |
| V3046BE  | <a href="#">96009027</a> | Steel Duplex Recept Cover 3000         | Ivory | Single |
| V3048R   | <a href="#">96009033</a> | Steel Rect Device Plate 3000           | Ivory | Single |

### Perimeter Systems - Tools

Wiremold



640 Series Cutter

Tools for use with Wiremold Perimeter Systems.

| Mfg. No. | Advanced ID              | Description           | For Use With       |
|----------|--------------------------|-----------------------|--------------------|
| 624      | <a href="#">99533453</a> | Raceway Cutter 2400   | 2400 Metal Raceway |
| 640B     | <a href="#">93171259</a> | Portable Base Cutter  | 4000 Metal Raceway |
| 640C     | <a href="#">93171261</a> | Portable Cover Cutter | 4000 Metal Raceway |

## Perimeter Systems - Replacement Blades

### Wiremold

Replacement blades for use with Wiremold Perimeter Systems Cutters.

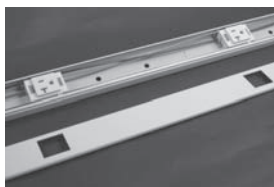
| Mfg. No. | Advanced ID              | Description                     | For Use With          |
|----------|--------------------------|---------------------------------|-----------------------|
| 630BDK   | <a href="#">96029784</a> | 3000 Base Cutter Replace Blade  | 3000 Metal Raceway    |
| 630CDK   | <a href="#">96029785</a> | 3000 Cover Cutter Replace Blade | 3000 Metal Raceway    |
| 640BDK   | <a href="#">96029786</a> | 4000 Base Cutter Replace Blade  | 4000 Metal Raceway    |
| 640CDK   | <a href="#">96029787</a> | 4/6000 Cover Cutter Replace     | 4000 and 6000 Raceway |

## Plugmold® Units

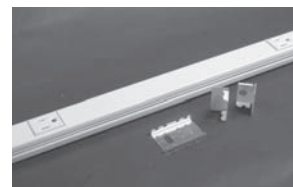
### Wiremold



V24GB606



V24GBA512



V20GB512

Hardwired and cord ended Plugmold® units.

### Features

- Color: Ivory

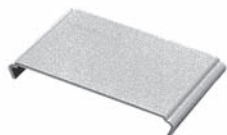
| Mfg. No.  | Advanced ID              | Description               | Type                 |
|-----------|--------------------------|---------------------------|----------------------|
| V24GB606  | <a href="#">90057420</a> | 6 ft. L, 12-20A, 6 in. OC | 2400 Series Plugmold |
| V24GB506  | <a href="#">90057415</a> | 5 ft. L, 10-20A, 6 in. OC | 2400 Series Plugmold |
| V24GB306  | <a href="#">90057412</a> | 3 ft. L, 6-20A, 6 in. OC  | 2400 Series Plugmold |
| V24GB612  | <a href="#">90057422</a> | 6 ft. L, 6-20A, 12 in. OC | 2400 Series Plugmold |
| V24GB512  | <a href="#">90057417</a> | 5 ft. L, 5-20A, 12 in. OC | 2400 Series Plugmold |
| V24GBA612 | <a href="#">95009328</a> | 6 ft. L, 6-20A, 12 in. OC | 2400 Series Plugmold |
| V24GB618  | <a href="#">90057425</a> | 6 ft. L, 6-20A, 18 in. OC | 2400 Series Plugmold |
| V24GBA512 | <a href="#">95009327</a> | 5 ft. L, 5-20A, 12 in. OC | 2400 Series Plugmold |
| V24GBA618 | <a href="#">95009329</a> | 6 ft. L, 4-20A, 18 in. OC | 2400 Series Plugmold |
| V20GB612  | <a href="#">88279855</a> | 6 ft. L, 6-15A, 12 in. OC | 2000 Series Plugmold |
| V20GB618  | <a href="#">88279856</a> | 6 ft. L, 4-15A, 18 in. OC | 2000 Series Plugmold |
| V20GB306  | <a href="#">88279850</a> | 3 ft. L, 6-15A, 6 in. OC  | 2000 Series Plugmold |
| V20GB512  | <a href="#">88279852</a> | 5 ft. L, 5-15A, 12 in. OC | 2000 Series Plugmold |

GB Series: 3-Wire, #12 THHN

GBA Series: 4-Wire, #12 THHN

## Perimeter Systems - Wire Clips

### Wiremold



2400WC



G3000WC



G4000WC

Wire clips for use with Wiremold Perimeter Systems.

| Mfg. No. | Advanced ID              | Description           |
|----------|--------------------------|-----------------------|
| 2400WC   | <a href="#">90057433</a> | Steel Wire Clip 2400  |
| G3000WC  | <a href="#">88279649</a> | Plated Wire Clip 3000 |
| G4000WC  | <a href="#">88279698</a> | Plated Wire Clip 4000 |

### Pan-Way® Low Voltage Surface Mount Outlet Boxes

Panduit

Features

- JBX3510 Assembles without the Use of Screws for Faster Installation
- JBX3510, JB1, and JB1D are Supplied with Adhesive Backing to Speed Installation
- JB1 and JB1D are a One-Piece Design Requiring No Assembly



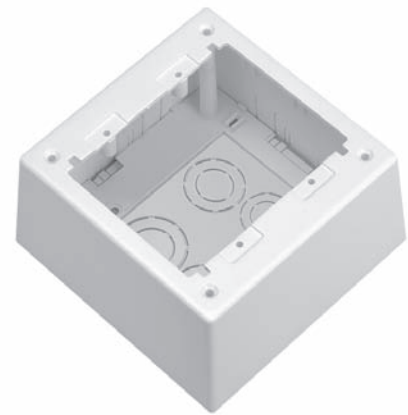
| Mfg. No.    | Advanced ID              | Description  | For Use With              | Color          |
|-------------|--------------------------|--|---------------------------|----------------|
| JB1DEI-A    | <a href="#">96096773</a> | Deep Single Gang, 1-Piece Box with Adhesive Backing  | LD Profile Raceway        | Electric Ivory |
| JB1DIW-A    | <a href="#">97120011</a> | Deep Single Gang, 1-Piece Box with Adhesive Backing  | LD Profile Raceway        | Off White      |
| JB1EI-A     | <a href="#">96096772</a> | Deep Single Gang, 1-Piece Box with Adhesive Backing  | LD Profile Raceway        | Electric Ivory |
| JB1IW-A     | <a href="#">97120008</a> | Deep Single Gang, 1-Piece Box with Adhesive Backing  | LD Profile Raceway        | Off White      |
| JB1WH-A     | <a href="#">97127759</a> | Deep Single Gang, 1-Piece Box with Adhesive Backing  | LD Profile Raceway        | White          |
| JBX3510EI-A | <a href="#">92138807</a> | Deep Single Gang 2-Piece Snap-Together with Adhesive Backing   | T45 or LD Profile Raceway | Electric Ivory |
| JBX3510IW-A | <a href="#">94008156</a> | Deep Single Gang 2-Piece Snap-Together with Adhesive Backing   | T45 or LD Profile Raceway | Off White      |
| JBX3510WH-A | <a href="#">92138808</a> | 3-Sided Hanging Box, Used to Mount Standard Single Gang NEMA Electrical Devices with Standard Faceplates, for Type T-70 and Twin -70 Raceway | T45 or LD Profile Raceway | White          |

### Pan-Way® Power Rated Surface Mount Outlet Boxes

Panduit

Features

- UL & CSA Rated 600V; Meets UL5A and CSA C22.2 No. 62.1-03 Standards



| Mfg. No. | Advanced ID              | Description                                   | For Use With               | Color          |
|----------|--------------------------|---|----------------------------|----------------|
| JBP1DEI  | <a href="#">97126115</a> | Single Gang, 2-Piece Deep Box                 | LDP, LDS, and T-45         | Electric Ivory |
| JBP1DIW  | <a href="#">97274145</a> | Single Gang, 2-Piece Deep Box                 | LDP, LDS, and T-45         | Off White      |
| JBP1EI   | <a href="#">97126114</a> | Single Gang, 2-Piece Extension Box            | LDP, LDS, and T-45         | Electric Ivory |
| JBP1EIW  | <a href="#">99562504</a> | Single Gang, 2-Piece Extension Box            | LDP, LDS, and T-45         | Off White      |
| JBP1IW   | <a href="#">97214867</a> | Single Gang, 2-Piece Extension Box            | LDP, LDS, and T-45         | Off White      |
| JBP1WH   | <a href="#">97120396</a> | Single Gang, 2-Piece Extension Box            | LDP, LDS, and T-45         | White          |
| JBP2DEI  | <a href="#">98290618</a> | Double Gang, Base and Cover, 2-Piece Deep Box | T-45 or LD Profile Raceway | Electric Ivory |
| JBP2DIW  | <a href="#">97267766</a> | Double Gang, Base and Cover, 2-Piece Deep Box | T-45 or LD Profile Raceway | Off White      |
| JBP2DWH  | <a href="#">99423761</a> | Double Gang, Base and Cover, 2-Piece Deep Box | T-45 or LD Profile Raceway | White          |
| JBP2EI   | <a href="#">97211840</a> | Double Gang, Base and Cover                   | LD Profile Raceway         | Electric Ivory |
| JBP2IW   | <a href="#">97227144</a> | Double Gang, Base and Cover, 2-Piece Box      | LD Profile Raceway         | Off White      |



## Pan-Way® T-70 Raceway System

Panduit

### Features

- UL & CSA Rated 600V; Meets UL5A and CSA C22.2 No. 62.1-03 Standards
- Large Cable Capacity with Aesthetically Pleasing Design
- Tamper Resistant
- Compatible with NEMA Standard 70mm Faceplates or Pan-Way Classic Series Snap-on Faceplates
- Transitions to Panduit T-45 and LD Profile Raceways
- Supplied with Pre-punched Mounting Holes



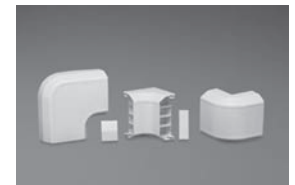
| Mfg. No. | Advanced ID              | Description  | Length | Color     | Size (in.)  |
|----------|--------------------------|--|--------|-----------|-------------|
| T70BIW10 | <a href="#">98348437</a> | Raceway Base for T-70, Twin-70, TG-70 and Pan-Pole™  | 10 ft  | Off White | 4.07 x 1.77 |
| T70BIW8  | <a href="#">98306495</a> | Raceway Base for T-70, Twin-70, TG-70 and Pan-Pole™  | 8 ft.  | Off White | 4.07 x 1.77 |
| T70CIW10 | <a href="#">98316677</a> | Raceway Covers for T-70, Twin-70, TG-70 and Pan-Pole™  | 10 ft. | Off White | -           |
| T70CIW8  | <a href="#">98306497</a> | Raceway Covers for T-70, Twin-70, TG-70 and Pan-Pole™  | 8 ft.  | Off White | -           |
| T70DW10* | <a href="#">98348438</a> | T-70/Twin70 Raceway Divider Wall. Snaps onto Rails in T-70/Twin-70 Raceway Base to Create Separate Channels. | 10 ft. | Gray      | -           |
| T70DW8*  | <a href="#">98306499</a> | T-70/Twin70 Raceway Divider Wall. Snaps onto Rails in T-70/Twin-70 Raceway Base to Create Separate Channels. | 8 ft.  | Gray      | -           |

\*Must use Wire Retainers to Ensure Channel Separation per UL/CSA.

## Pan-Way® T-70 Raceway Fittings

Panduit

T-70 fittings are designed to maintain the TIA/EIA-568-B and 569-B required minimum bend radius for high performance copper and fiber optic cabling systems.



| Mfg. No.  | Advanced ID              | Type                      | Color     | For Use With                             |
|-----------|--------------------------|---------------------------|-----------|--|
| T70BCIW-X | <a href="#">97216802</a> | Base Coupler              | Off White | T-70                                     |
| T70BFIW   | <a href="#">22118330</a> | Backfeed                  | Off White | T-70                                     |
| T70CCIW-X | <a href="#">97216803</a> | Cover Coupler             | Off White | T-70                                     |
| T70ECIW   | <a href="#">97126107</a> | End Cap                   | Off White | T-70                                     |
| T70EEIW   | <a href="#">97279891</a> | Entrance End Fitting      | Off White | T-70                                     |
| T70ICIW   | <a href="#">97126110</a> | Inside Corner             | Off White | T-70                                     |
| T70OCIW   | <a href="#">97218374</a> | Outside Corner            | Off White | T-70                                     |
| T70RAIW   | <a href="#">97126108</a> | Right Angle               | Off White | T-70                                     |
| T70TIW    | <a href="#">97275220</a> | Tee                       | Off White | T-70                                     |
| T70TRIW   | <a href="#">97126109</a> | Transition Fitting        | Off White | T-70 or T-45                             |
| T70WC2IW  | <a href="#">98319153</a> | Workstation Outlet Center | Off White | T-70 Snap on Faceplates                  |
| T70WC1IW  | <a href="#">98307750</a> | Workstation Outlet Center | Off White | T-70 Screw on Faceplates                 |
| T70DB-X   | <a href="#">96097338</a> | Device Mounting Bracket   | Gray      | T-70, Twin-70, TE-70, and TG-70 Raceways |
| T70SDB-X  | <a href="#">22015114</a> | Data Faceplate Bracket    | Gray      | T-70, Twin-70, TE-70, and TG-70 Raceways |
| T70WR-X   | <a href="#">96097337</a> | Wire Retainer             | Gray      | T-70, Twin-70, TE-70, and TG-70 Raceways |

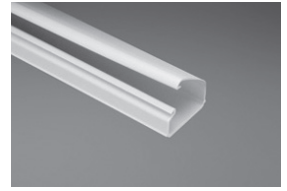
### PAN-WAY® LD One-piece Hinged Surface Raceway System

Panduit

For routing data and low voltage cabling.

Benefits

- One-Piece Hinged Design Allows Cables to be Laid in
- Terminates Using Surface Mount Outlet Box Solutions
- UL Rated



| Mfg. No.  | Advanced ID              | Description                        | Length | Color     | Size (in.) |
|-----------|--------------------------|------------------------------------|--------|-----------|------------|
| LD3IW8-A  | <a href="#">97112742</a> | One-Piece Latching Surface Raceway | 8 ft.  | Off White | .77 x .46  |
| LD5IW8-A  | <a href="#">97112748</a> | One-Piece Latching Surface Raceway | 8 ft.  | Off White | 1.00 x .60 |
| LD10IW8-A | <a href="#">97112737</a> | One-Piece Latching Surface Raceway | 8 ft.  | Off White | 1.51 x .94 |

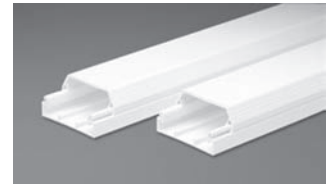
For other colors replace IW (Off White) with EI (Electric Ivory), IG (International Gray) or WH (White) and order using Mfg. No.

### Pan-Way® T-45 Raceway System

Panduit

Features

- UL & CSA Rated 600V; Meets UL5A and CSA C22.2 No. 62.1-03 Standards
- Large Cable Capacity with Aesthetically Pleasing Design
- Tamper Resistant
- Compatible with NEMA Standard 70mm Faceplates or Pan-Way® Classic Series Snap-on Faceplates
- Transitions to Panduit T-45 and LD Profile Raceways
- Supplied with Pre-Punched Mounting Holes



| Mfg. No.   | Advanced ID              | Description           | Length | Color     | Size (in.)  |
|------------|--------------------------|-----------------------|--------|-----------|-------------|
| T45BIW10-A | <a href="#">99891991</a> | Base                  | 10 ft. | Off White | 2.38 x 1.25 |
| T45BIW8-A  | <a href="#">99536024</a> | Base                  | 8 ft.  | Off White | 2.38 x 1.25 |
| T45BIW10   | <a href="#">99564165</a> | Base without Adhesive | 10 ft. | Off White | 2.38 x 1.25 |
| T45BIW8    | <a href="#">99525671</a> | Base without Adhesive | 8 ft.  | Off White | 2.38 x 1.25 |
| T45CIW10   | <a href="#">99564164</a> | Cover                 | 10 ft. | Off White | -           |
| T45CIW8    | <a href="#">99525672</a> | Cover                 | 8 ft.  | Off White | -           |
| T45DW10    | <a href="#">99564166</a> | Divider Wall          | 10 ft. | Gray      | -           |
| T45DW8     | <a href="#">99525673</a> | Divider Wall          | 8 ft.  | Gray      | -           |

### PAN-WAY® Classic Series Power and Communication Faceplates

Panduit



Screw On



Snap On

Features

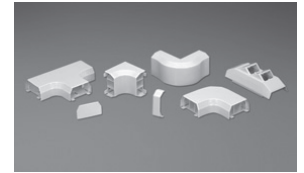
- Color: Off White

| Mfg. No.   | Advanced ID              | Description                                | For Use With |
|------------|--------------------------|--|--------------|
| CP106IW    | <a href="#">99424715</a> | Screw-On Single Gang 106 Duplex Faceplate  | Pan-Way      |
| CP106IW-2G | <a href="#">99477467</a> | Screw-On Double Gang 106 Duplex Faceplate  | Pan-Way      |
| CPGIW      | <a href="#">99424714</a> | Screw-On Single Gang Rectangular Faceplate | Pan-Way      |
| T70PGIW    | <a href="#">99427339</a> | Snap-On Single Gang 106 Duplex Faceplate   | Pan-Way      |
| T70PIW     | <a href="#">98348440</a> | Snap-On Single Gang Rectangular Faceplate  | Pan-Way      |

### Pan-Way® Type T-45 Raceway Fittings

#### Panduit

T-45 fittings are designed to maintain the TIA/EIA 568-B and 569-B required minimum bend radius for high performance copper and fiber optic cabling systems.

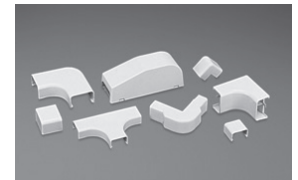


| Mfg. No.  | Advanced ID | Type                        | Color     | For Use With                            |
|-----------|-------------|-----------------------------|-----------|---|
| T45CCIW-X | 99525679    | Cover Coupler               | Off White | T-45                                    |
| T45ECIW   | 99525681    | End Cap                     | Off White | T-45                                    |
| T45EEIW   | 99525680    | Entrance End                | Off White | T-45                                    |
| T45HDBIW  | 99525683    | Snap-On Hinged Data Bracket | Off White | T-45                                    |
| T45ICIW   | 99525674    | Inside Corner               | Off White | T-45                                    |
| T45OCIW   | 99525675    | Outside Corner              | Off White | T-45                                    |
| T45RAIW   | 99525676    | Right Angle                 | Off White | T-45                                    |
| T45TIW    | 99525677    | Tee                         | Off White | T-45                                    |
| T45RLDIW  | 99525685    | Reducer                     | Off White | T-45                                    |
| T45TRI    | 99547110    | Bend Radius Control*        | Gray      | T-45                                    |
| T45TD     | 99525678    | Divider Insert              | Gray      | T-45                                    |
| T45WR-X   | 99525684    | Wire Retainer               | Gray      | T-45                                    |
| T45WC2IW  | 99548888    | Workstation Outlet Center   | Off White | T-45 Snap on<br>Communication Faceplate |
| T45WC1IW  | 99525682    | Raceway Fittings            | Off White | T-45 Screw<br>on Faceplate              |

\*Provides Bend Radius Control at Transition from T-70 to T-45 When Used with T70TR.

### Standard Fittings for Low Voltage Applications

#### Panduit



| Mfg. No.   | Advanced ID | Type                      | Color     | For Use With                   |
|------------|-------------|---------------------------|-----------|--------------------------------|
| CF3IW-E    | 90074370    | Coupler                   | Off White | LD3, LDP3 and LDS3 Raceways    |
| CF5IW-E    | 90074371    | Coupler                   | Off White | LD5, LDP5 and LDS5 Raceways    |
| CF10IW-X   | 90074372    | Coupler                   | Off White | LD10, LDP10 and LDS10 Raceways |
| RAF3IW-E   | 90074338    | Right Angle               | Off White | LD3, LDP3 and LDS3 Raceways    |
| RAF5IW-E   | 90074339    | Right Angle               | Off White | LD5, LDP5 and LDS5 Raceways    |
| RAF10IW-X  | 90074340    | Right Angle               | Off White | LD10, LDP10 and LDS10 Raceways |
| ICF3IW-E   | 90074359    | Inside Corner             | Off White | LD3, LDP3 and LDS3 Raceways    |
| ICF5IW-E   | 90074360    | Inside Corner             | Off White | LD5, LDP5 and LDS5 Raceways    |
| ICF10IW-X  | 90074361    | Inside Corner             | Off White | LD10, LDP10 and LDS10 Raceways |
| OCF3IW-E   | 90074347    | Outside Corner            | Off White | LD3, LDP3 and LDS3 Raceways    |
| OCF5IW-E   | 90078417    | Outside Corner            | Off White | LD5, LDP5 and LDS5 Raceways    |
| OCF10IW-X  | 90078420    | Outside Corner            | Off White | LD10, LDP10 and LDS10 Raceways |
| TF3IW-E    | 90074344    | Tee                       | Off White | LD3, LDP3 and LDS3 Raceways    |
| TF5IW-E    | 90074345    | Tee                       | Off White | LD5, LDP5 and LDS5 Raceways    |
| TF10IW-X   | 90074334    | Tee                       | Off White | LD10, LDP10 and LDS10 Raceways |
| ECF3IW-E   | 90074356    | End Cap                   | Off White | LD3, LDP3 and LDS3 Raceways    |
| ECF5IW-E   | 90074357    | End Cap                   | Off White | LD5, LDP5 and LDS5 Raceways    |
| ECF10IW-X  | 90074358    | End Cap                   | Off White | LD10, LDP10 and LDS10 Raceways |
| DCF3IW-X   | 90074373    | Drop Ceiling/Entrance End | Off White | LD3, LDP3 and LDS3 Raceways    |
| DCF5IW-X   | 90074374    | Drop Ceiling/Entrance End | Off White | LD5, LDP5 and LDS5 Raceways    |
| DCF10IW-X  | 90074375    | Drop Ceiling/Entrance End | Off White | LD10, LDP10 and LDS10 Raceway  |
| RF5X3IW-E  | 90074341    | Reducer Size 5 to 3       | Off White | LD, LDP and LDS Raceways       |
| RF10X3IW-X | 90074343    | Reducer Size 10 to 3      | Off White | LD, LDP and LDS Raceways       |
| RF10X5IW-X | 90074342    | Reducer Size 10 to 5      | Off White | LD, LDP and LDS Raceways       |

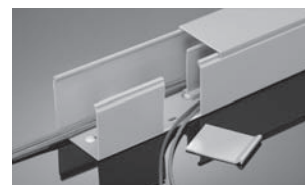
For other colors replace IW (Off White) with EI (Electric Ivory), IG (International Gray) or WH (White) and order using Mfg. No.

### Panduct® Type FS - Solid Wall Raceway

Panduit

#### Features

- Made of Rigid Lead-Free PVC
- UL Recognized for Continuous Use Temperatures Up to 50°C (122°F)
- UL94 Flammability Rating V-0
- Supplied without Mounting Holes
- Application: General Purpose



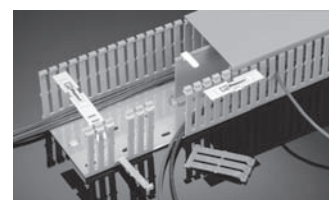
| Mfg. No.   | Advanced ID              | Description             | Color      | Dimensions         | Length |
|------------|--------------------------|-------------------------|------------|--------------------|--------|
| FS2X2LG6NM | <a href="#">94066156</a> | Type FS Solid Wall Duct | Light Gray | 2.25W x 2.12H in.  | 6 ft.  |
| FS2X2WH6NM | <a href="#">94066157</a> | Type FS Solid Wall Duct | White      | 2.25W x 2.10H in.  | 6 ft.  |
| FS4X2LG6   | <a href="#">22016634</a> | Type FS Solid Wall Duct | Light Gray | 4.25W x 2.12H in.  | 6 ft.  |
| FS4X4LG6NM | <a href="#">94001015</a> | Type FS Solid Wall Duct | Light Gray | 4.25 W x 4.10H in. | 6 ft.  |
| FS4X4WH6NM | <a href="#">94066121</a> | Type FS Solid Wall Duct | White      | 4.25W x 4.10H in.  | 6 ft.  |

### Panduct® Type F - Narrow Slot Wiring Duct

Panduit

#### Features

- Made of Rigid Lead-Free PVC
- UL Recognized Continuous Use Temperature: 50°C (122°F)
- UL94 Flammability Rating of V-0
- Provided with Mounting Holes
- Conforms with NFPA 79-2002 Section 14.3.1 Requirement for Flame Retardant Material
- Used for General Purpose Control Panel Wiring in Communication Closets



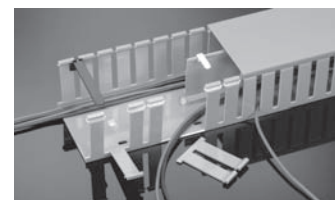
| Mfg. No.  | Advanced ID              | Color      | Dimensions        | Length |
|-----------|--------------------------|------------|-------------------|--------|
| F1.5X2LG6 | <a href="#">92139214</a> | Light Gray | 1.75W x 2.12H in. | 6 ft.  |
| F1.5X2WH6 | <a href="#">93171018</a> | White      | 1.75W x 2.12H in. | 6 ft.  |
| F1.5X3LG6 | <a href="#">92139215</a> | Light Gray | 1.75W x 3.12H in. | 6 ft.  |
| F1.5X3WH6 | <a href="#">93171019</a> | White      | 1.75W x 3.12H in. | 6 ft.  |
| F1.5X4LG6 | <a href="#">92139211</a> | Light Gray | 1.75W x 4.10H in. | 6 ft.  |
| F1.5X4WH6 | <a href="#">93171017</a> | White      | 1.75W x 4.12H in. | 6 ft.  |
| F1X2LG6   | <a href="#">92139218</a> | Light Gray | 1.26W x 2.12H in. | 6 ft.  |
| F1X2WH6   | <a href="#">93171021</a> | White      | 1.25W x 2.13H in. | 6 ft.  |
| F1X3LG6   | <a href="#">92139219</a> | Light Gray | 1.26W x 3.12H in. | 6 ft.  |
| F1X3WH6   | <a href="#">93152653</a> | White      | 1.25W x 3.12H in. | 6 ft.  |
| F1X4LG6   | <a href="#">92139220</a> | Light Gray | 1.26W x 4.10H in. | 6 ft.  |
| F1X4WH6   | <a href="#">94048498</a> | White      | 1.25W x 4.08H in. | 6 ft.  |
| F2X2LG6   | <a href="#">92139209</a> | Light Gray | 2.25W x 2.12H in. | 6 ft.  |
| F2X2WH6   | <a href="#">93150077</a> | White      | 2.25W x 2.10H in. | 6 ft.  |
| F2X3LG6   | <a href="#">92139210</a> | Light Gray | 2.25W x 3.12H in. | 6 ft.  |
| F2X3WH6   | <a href="#">93150076</a> | White      | 2.25W x 3.12H in. | 6 ft.  |
| F2X4WH6   | <a href="#">94048500</a> | White      | 2.25W x 4.09H in. | 6 ft.  |
| F3X3LG6   | <a href="#">92139205</a> | Light Gray | 3.25W x 3.12H in. | 6 ft.  |
| F3X4LG6   | <a href="#">92139201</a> | Light Gray | 3.25W x 4.10H in. | 6 ft.  |
| F3X4WH6   | <a href="#">94048501</a> | White      | 3.25W x 4.11H in. | 6 ft.  |
| F4X4LG6   | <a href="#">92138811</a> | Light Gray | 4.25W x 4.10H in. | 6 ft.  |
| F4X4WH6   | <a href="#">94048502</a> | White      | 4.25W x 4.10H in. | 6 ft.  |

## Panduct® Type G - Wide Slot Wiring Duct

Panduit

### Features

- Made of Rigid Lead-Free PVC
- UL Recognized Continuous Use Temperature: 50°C (122°F)
- UL94 Flammability Rating of V-0
- Provided with Mounting Holes
- Conforms with NFPA 79-2002 Section 14.3.1 Requirement for Flame Retardant Material
- Application: General Purpose Control Panel Wiring and to Route and Protect Wiring in Communication Closets



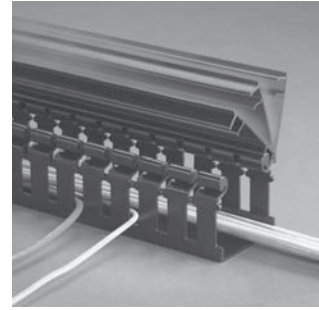
| Mfg. No.    | Advanced ID              | Color      | Dimensions        | Length |
|-------------|--------------------------|------------|-------------------|--------|
| G.5X2WH6    | <a href="#">22108164</a> | White      | 0.69W x 2.03H in. | 6 ft.  |
| G1.5X1.5LG6 | <a href="#">97107571</a> | Light Gray | 1.75W x 1.62H in. | 6 ft.  |
| G1.5X1.5WH6 | <a href="#">96085488</a> | White      | 1.75W x 1.62H in. | 6 ft.  |
| G1.5X2LG6   | <a href="#">96001164</a> | Light Gray | 1.75W x 2.12H in. | 6 ft.  |
| G1.5X2WH6   | <a href="#">96006096</a> | White      | 1.75W x 2.12H in. | 6 ft.  |
| G1.5X3LG6   | <a href="#">96001149</a> | Light Gray | 1.75W x 3.12H in. | 6 ft.  |
| G1.5X3WH6   | <a href="#">96006103</a> | White      | 1.75W x 3.12H in. | 6 ft.  |
| G1X1.5LG6   | <a href="#">96046936</a> | Light Gray | 1.26W x 1.62H in. | 6 ft.  |
| G1X1.5WH6   | <a href="#">95076692</a> | White      | 1.25W x 1.64H in. | 6 ft.  |
| G1X1LG6     | <a href="#">96003208</a> | Light Gray | 1.26W x 1.12H in. | 6 ft.  |
| G1X1WH6     | <a href="#">96092557</a> | White      | 1.25W x 1.11H in. | 6 ft.  |
| G1X2LG6     | <a href="#">95032474</a> | Light Gray | 1.26W x 2.12H in. | 6 ft.  |
| G1X2WH6     | <a href="#">95076691</a> | White      | 1.25W x 2.13H in. | 6 ft.  |
| G1X3LG6     | <a href="#">95044795</a> | Light Gray | 1.26W x 3.12H in. | 6 ft.  |
| G1X3WH6     | <a href="#">95071791</a> | White      | 1.25W x 3.13H in. | 6 ft.  |
| G2X2BL6     | <a href="#">97099011</a> | Black      | 2.25W x 2.12H in. | 6 ft.  |
| G2X2LG6     | <a href="#">95032475</a> | Light Gray | 2.25W x 2.12H in. | 6 ft.  |
| G2X2WH6     | <a href="#">95075731</a> | White      | 2.25W x 2.10H in. | 6 ft.  |
| G2X3LG6     | <a href="#">95032476</a> | Light Gray | 2.25W x 3.12H in. | 6 ft.  |
| G2X3WH6     | <a href="#">95071792</a> | White      | 2.25W x 3.12H in. | 6 ft.  |
| G2X4LG6     | <a href="#">96001151</a> | Light Gray | 2.25W x 4.10H in. | 6 ft.  |
| G2X4WH6     | <a href="#">95075735</a> | White      | 2.25W x 4.09H in. | 6 ft.  |
| G3X2LG6     | <a href="#">96001161</a> | Light Gray | 3.25W x 2.12H in. | 6 ft.  |
| G3X2WH6     | <a href="#">96076921</a> | White      | 3.25W x 2.09H in. | 6 ft.  |
| G3X3BL6     | <a href="#">97099012</a> | Black      | 3.25W x 3.12H in. | 6 ft.  |
| G3X3LG6     | <a href="#">95032477</a> | Light Gray | 3.25W x 3.12H in. | 6 ft.  |
| G3X3WH6     | <a href="#">95071793</a> | White      | 3.25W x 3.11H in. | 6 ft.  |
| G3X4LG6     | <a href="#">95032478</a> | Light Gray | 3.25W x 4.10H in. | 6 ft.  |
| G3X4WH6     | <a href="#">96045045</a> | White      | 3.25W x 4.11H in. | 6 ft.  |
| G4X2LG6     | <a href="#">97103793</a> | Light Gray | 4.25W x 2.12H in. | 6 ft.  |
| G4X2WH6     | <a href="#">96085492</a> | White      | 4.25W x 2.11H in. | 6 ft.  |
| G4X3LG6     | <a href="#">95044802</a> | Light Gray | 4.25W x 3.12H in. | 6 ft.  |
| G4X3WH6     | <a href="#">96006104</a> | White      | 4.25W x 3.10H in. | 6 ft.  |
| G4X4BL6     | <a href="#">98334727</a> | Blue       | 4.25W x 4.10H in. | 6 ft.  |
| G4X4LG6     | <a href="#">95035236</a> | Light Gray | 4.25W x 4.10H in. | 6 ft.  |
| G4X4WH6     | <a href="#">96045046</a> | White      | 4.25W x 4.10H in. | 6 ft.  |
| G4X5LG6     | <a href="#">96046332</a> | Light Gray | 4.25W x 5.10H in. | 6 ft.  |
| G6X4LG6     | <a href="#">98293740</a> | Light Gray | 6.25W x 4.15H in. | 6 ft.  |

### Panduct® Type H - Hinged Cover Wiring Duct

Panduit

#### Features

- Made of Rigid PVC
- Rated for Continuous Use Temperatures Up to 50°C (122°F)
- UL94 Flammability Rating V-0
- Available in Black, Light Gray and White
- Provided with Standard Mounting Holes
- General Purpose



| Mfg. No. | Advanced ID              | Color      | Dimensions         | Length |
|----------|--------------------------|------------|--------------------|--------|
| H2X2BL6  | <a href="#">22049832</a> | Black      | 2.17 W x 1.98H in. | 6 ft.  |
| H2X2LG6  | <a href="#">22049833</a> | Light Gray | 2.17 W x 1.98H in. | 6 ft.  |
| H2X2WH6  | <a href="#">22121600</a> | White      | 2.17 W x 1.98H in. | 6 ft.  |

### Panduct® Wiring Duct Covers

Panduit

#### Features

- Non-Slip Cover Design Incorporates Integral High Friction Lining to Inhibit Cover Movement
- Cover Flush with Base Provides Greater Wire Capacity and Improves Aesthetics
- Easy Cover Removal Makes Changes to Wiring Quick and Easy
- Available in Various Colors
- Material: Lead-Free PVC/UL Recognized



| Mfg. No.                       | Advanced ID              | Color      | Length |
|--------------------------------|--------------------------|------------|--------|
| <b>Covers for F, G or FS</b>   |                          |            |        |
| C.5LG6                         | <a href="#">88197211</a> | Light Gray | 6 ft.  |
| C.5WH6                         | <a href="#">88197212</a> | White      | 6 ft.  |
| C.75LG6                        | <a href="#">88197215</a> | Light Gray | 6 ft.  |
| C1.5LG6                        | <a href="#">88197220</a> | Light Gray | 6 ft.  |
| C1.5WH6                        | <a href="#">88197221</a> | White      | 6 ft.  |
| C1LG6                          | <a href="#">88197228</a> | Light Gray | 6 ft.  |
| C1WH6                          | <a href="#">88197229</a> | White      | 6 ft.  |
| C2BL6                          | <a href="#">88197239</a> | Black      | 6 ft.  |
| C2LG6                          | <a href="#">88197241</a> | Light Gray | 6 ft.  |
| C2WH6                          | <a href="#">88197242</a> | White      | 6 ft.  |
| C3BL6                          | <a href="#">88197245</a> | Black      | 6 ft.  |
| C3LG6                          | <a href="#">88197247</a> | Light Gray | 6 ft.  |
| C3WH6                          | <a href="#">88197248</a> | White      | 6 ft.  |
| C4BL6                          | <a href="#">88197249</a> | Black      | 6 ft.  |
| C4LG6                          | <a href="#">88197251</a> | Light Gray | 6 ft.  |
| C4WH6                          | <a href="#">88197252</a> | White      | 6 ft.  |
| C6LG6                          | <a href="#">95044456</a> | Light Gray | 6 ft.  |
| <b>Hinged Cover for Type H</b> |                          |            |        |
| HC2BL6                         | <a href="#">22049834</a> | Black      | 6 ft.  |
| HC2LG6                         | <a href="#">22049835</a> | Light Gray | 6 ft.  |
| HC2WH6                         | <a href="#">22121601</a> | White      | 6 ft.  |

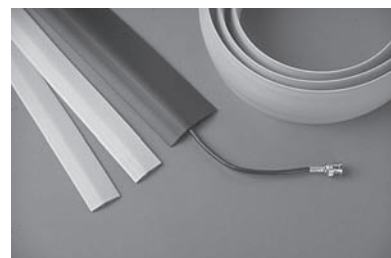


### Floor Guard

Panduit

#### Features

- Accessory to Route Cables Over Carpet, Concrete or Tile to Prevent Tripping
- Flexible Vinyl Material Can Be Easily Cut to Specific Lengths
- Cables Route Through Underside of Product

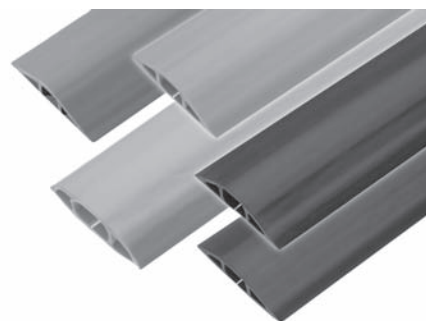


| Mfg. No.  | Advanced ID | Description                               | Length | Inner Diameter    | Height   |
|-----------|-------------|---|--------|-------------------|----------|
| FG3BL6S-A | 92126293    | Floor Guard for Multiple or Larger Cables | 6 ft.  | 0.68W x 0.28H in. | 0.47 in. |

### Wire, Cable and Hose Protection Systems

Hubbell Wiring Device-Kellems

The TREDTRAK System is a 5-Channel modular cable protection system that will protect cable with a diameter of up to 1.28 in. (32.5). It is designed to support pedestrian and light vehicle traffic in public, institutional and commercial applications. FLOORTRAK is a flexible non-metallic cover for cables that run over the floor.



| Mfg. No.         | Advanced ID | Center Hole (W x H) | Outside Diameter | Color         | Length   |
|------------------|-------------|---------------------|------------------|---------------|----------|
| <b>FLOORTRAK</b> |             |                     |                  |               |          |
| FT2BG10          | 90096175    | .50 x .31 in.       | .53 in.          | Beige         | 10 ft.   |
| FT2BK10          | 90096174    | .50 x .31 in.       | .53 in.          | Black         | 10 ft.   |
| FT2BR10          | 91000084    | .50 x .31 in.       | .53 in.          | Brown         | 10 ft.   |
| FT2GY10          | 93171126    | .50 x .31 in.       | .53 in.          | Gray          | 10 ft.   |
| FT2Y10           | 91002826    | .50 x .31 in.       | .53 in.          | Yellow        | 10 ft.   |
| FT3BK25          | 93171141    | .75 x .50 in.       | .75 in.          | Black         | 25 ft.   |
| FT3BR25          | 93171139    | .75 x .50 in.       | .75 in.          | Brown         | 25 ft.   |
| FT3GY25          | 93171135    | .75 x .50 in.       | .75 in.          | Gray          | 25 ft.   |
| FT3Y25           | 90095499    | .75 x .50 in.       | .75 in.          | Yellow        | 25 ft.   |
| FT4BK25          | 90096180    | 1.12 x .75 in.      | 1.10 in.         | Black         | 25 ft.   |
| FT4GY25          | 91002820    | 1.12 x .75 in.      | 1.10 in.         | Gray          | 25 ft.   |
| FT4Y25           | 90095500    | 1.12 x .75 in.      | 1.10 in.         | Yellow        | 25 ft.   |
| <b>TREDTRAK</b>  |             |                     |                  |               |          |
| HBLTRED5B        | 22060301    | 1.30 x 1.30 in.     | 1.95 in.         | Blue & Yellow | 36 in.   |
| HBLTRED5ECB      | 22105869    | 1.30 x 1.30 in.     | 1.95 in.         | Blue & Yellow | 5.5 in.  |
| HBLTRED5YB       | 22105870    | 1.30 x 1.30 in.     | 1.95 in.         | Blue & Yellow | 17.5 in. |

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### Ring Tongue, Non-Insulated

Panduit / Thomas & Betts



### Ring Tongue, Insulated, Vinyl

Panduit / Thomas & Betts



| Wire Size | Stud Size | Panduit<br>Mfg / GBID       | T&B<br>Mfg / GBID         |
|-----------|-----------|-----------------------------|---------------------------|
| 22-18     | 4         | P18-4R-C / <b>88198506</b>  | A18-4 / <b>88265494</b>   |
| 22-18     | 6         | P18-6R-C / <b>88198514</b>  | A18-6 / <b>88265496</b>   |
| 22-18     | 8         | P18-8R-C / <b>88198524</b>  | A18-8 / <b>88265499</b>   |
| 22-18     | 10        | P18-10R-C / <b>88198497</b> | A18-10 / <b>88265479</b>  |
| 22-18     | 1/4       | P18-14R-C / <b>88198502</b> | A18-14 / <b>88265486</b>  |
| 22-18     | 5/16      | P18-56R-C / <b>88198508</b> | A18-516 / <b>88265495</b> |
| 22-18     | 3/8       | P18-38R-C / <b>88198504</b> | A18-38 / <b>88265493</b>  |
| 16-14     | 4         | P14-4R-C / <b>88198469</b>  | B14-4 / <b>88265563</b>   |
| 16-14     | 6         | P14-6R-C / <b>88198479</b>  | B14-6 / <b>88265565</b>   |
| 16-14     | 8         | P14-8R-C / <b>88198489</b>  | B14-8 / <b>88265570</b>   |
| 16-14     | 10        | P14-10R-C / <b>88198460</b> | B14-10 / <b>88265546</b>  |
| 16-14     | 1/4       | P14-14R-C / <b>88198465</b> | B14-14 / <b>88265554</b>  |
| 16-14     | 5/16      | P14-56R-C / <b>88198471</b> | B14-516 / <b>88265564</b> |
| 16-14     | 3/8       | P14-38R-C / <b>88198467</b> | B14-38 / <b>88265562</b>  |
| 12-10     | 6         | P10-6R-L / <b>88198443</b>  | C10-6 / <b>99501383</b>   |
| 12-10     | 8         | P10-8R-L / <b>88198450</b>  | -                         |
| 12-10     | 10        | P10-10R-L / <b>88198425</b> | C10-10 / <b>88265611</b>  |
| 12-10     | 1/4       | P10-14R-L / <b>88198432</b> | C10-14 / <b>88265617</b>  |
| 12-10     | 5/16      | P10-56R-L / <b>88198437</b> | C10-516 / <b>88265624</b> |
| 12-10     | 3/8       | P10-38R-L / <b>88198435</b> | C10-38 / <b>88265623</b>  |
| 8         | 8         | P8-8R-Q / <b>88198594</b>   | -                         |
| 8         | 10        | P8-10R-Q / <b>88198586</b>  | D8-10 / <b>88265684</b>   |
| 8         | 1/4       | P8-14R-Q / <b>88198589</b>  | D8-14 / <b>9950263</b>    |
| 8         | 5/16      | P8-56R-Q / <b>88198593</b>  | D8-516 / <b>88265688</b>  |
| 8         | 3/8       | P8-38R-Q / <b>88198591</b>  | D8-38 / <b>88265687</b>   |
| 8         | 1/2       | P8-12R-Q / <b>88198588</b>  | D8-12 / <b>88265685</b>   |
| 6         | 8         | P6-8R-E / <b>88198578</b>   | -                         |
| 6         | 10        | P6-10R-E / <b>88198570</b>  | E6-10 / <b>88265690</b>   |
| 6         | 1/4       | P6-14R-E / <b>88198573</b>  | E6-14 / <b>88265692</b>   |
| 6         | 5/16      | P6-56R-E / <b>88198577</b>  | E6-516 / <b>88265694</b>  |
| 6         | 3/8       | P6-38R-E / <b>88198575</b>  | E6-38 / <b>88265693</b>   |
| 6         | 1/2       | P6-12R-E / <b>88198572</b>  | E6-12 / <b>88265691</b>   |
| 4         | 10        | P4-10R-E / <b>88198562</b>  | F4-10 / <b>88265702</b>   |
| 4         | 1/4       | P4-14R-E / <b>88198565</b>  | F4-14 / <b>88265704</b>   |
| 4         | 5/16      | P4-56R-E / <b>88198569</b>  | F4-516 / <b>88265706</b>  |
| 4         | 3/8       | P4-38R-E / <b>88198567</b>  | F4-38 / <b>88265705</b>   |
| 4         | 1/2       | P4-12R-E / <b>88198563</b>  | F4-12 / <b>88265703</b>   |
| 2         | 10        | P2-10R-X / <b>88198529</b>  | -                         |
| 2         | 1/4       | P2-14R-X / <b>88198533</b>  | G2-14 / <b>88265730</b>   |
| 2         | 5/16      | P2-56R-X / <b>88198537</b>  | G2-516 / <b>88265732</b>  |
| 2         | 3/8       | P2-38R-X / <b>88198535</b>  | G2-38 / <b>88265731</b>   |
| 2         | 1/2       | P2-12R-X / <b>88198531</b>  | G2-12 / <b>88265729</b>   |

| Wire Size | Stud Size | Panduit<br>Mfg / GBID         | T&B<br>Mfg / GBID           |
|-----------|-----------|-------------------------------|-----------------------------|
| 22-18     | 4         | PV18-4R-C / <b>88200725</b>   | 18RA-4 / <b>88263571</b>    |
| 22-18     | 6         | PV18-6R-C / <b>88200743</b>   | 18RA-6 / <b>88263575</b>    |
| 22-18     | 8         | PV18-8R-C / <b>88200757</b>   | 18RA-8 / <b>88263583</b>    |
| 22-18     | 10        | PV18-10R-C / <b>88200713</b>  | 18RA-10 / <b>88263555</b>   |
| 22-18     | 1/4       | PV18-14R-C / <b>88200717</b>  | 18RA-14 / <b>88263563</b>   |
| 22-18     | 5/16      | PV18-56R-C / <b>88200729</b>  | 18RA-516 / <b>88263573</b>  |
| 22-18     | 3/8       | PV18-38R-C / <b>88200721</b>  | 18RA-38 / <b>88263569</b>   |
| 22-18     | 4         | PV18-4RX-C / <b>88200727</b>  | 18RA-4X / <b>96097451</b>   |
| 22-18     | 6         | PV18-6RX-C / <b>88200747</b>  | 18RA-6X / <b>88263582</b>   |
| 22-18     | 8         | PV18-8RX-C / <b>88200759</b>  | 18RA-8X / <b>88263590</b>   |
| 22-18     | 10        | PV18-10RX-C / <b>88200715</b> | 18RA-10X / <b>88263562</b>  |
| 22-18     | 1/4       | PV18-14RX-C / <b>88200719</b> | 18RA-14X / <b>88263564</b>  |
| 22-18     | 5/16      | PV18-56RX-C / <b>88200731</b> | -                           |
| 22-18     | 3/8       | PV18-38RX-C / <b>88200723</b> | 18RA38X / <b>99555124</b>   |
| 16-14     | 4         | PV14-4R-C / <b>88200666</b>   | 14RB-4 / <b>88263421</b>    |
| 16-14     | 6         | PV14-6R-C / <b>88200684</b>   | 14RB-6 / <b>88263425</b>    |
| 16-14     | 8         | PV14-8R-C / <b>88200699</b>   | 14RB-8 / <b>88263434</b>    |
| 16-14     | 10        | PV14-10R-C / <b>88200654</b>  | 14RB-10 / <b>88263403</b>   |
| 16-14     | 1/4       | PV14-14R-C / <b>88200658</b>  | 14RB-14 / <b>88263411</b>   |
| 16-14     | 5/16      | PV14-56R-C / <b>88200670</b>  | 14RB-516 / <b>88263423</b>  |
| 16-14     | 3/8       | PV14-38R-L / <b>88200662</b>  | 14RB-38 / <b>88263419</b>   |
| 16-14     | 4         | PV14-4RX-C / <b>88200668</b>  | 14RB-4X / <b>88263422</b>   |
| 16-14     | 6         | PV14-6RX-C / <b>88200688</b>  | 14RB-6X / <b>88263433</b>   |
| 16-14     | 8         | PV14-8RX-C / <b>88200701</b>  | 14RB-8X / <b>88263441</b>   |
| 16-14     | 10        | PV14-10RX-C / <b>88200656</b> | 14RB-10X / <b>88263410</b>  |
| 16-14     | 1/4       | PV14-14RX-C / <b>88200660</b> | 14RB-14X / <b>88263413</b>  |
| 16-14     | 5/16      | PV14-56RX-C / <b>88200672</b> | 14RB-516X / <b>88263424</b> |
| 16-14     | 3/8       | PV14-38RX-L / <b>88200664</b> | 14RB-38X / <b>88263420</b>  |
| 12-10     | 6         | PV10-6R-L / <b>88200624</b>   | 10RC-6 / <b>88263126</b>    |
| 12-10     | 8         | PV10-8R-L / <b>88200636</b>   | 10RC-8 / <b>88263131</b>    |
| 12-10     | 10        | PV10-10R-L / <b>88200593</b>  | 10RC-10 / <b>88263104</b>   |
| 12-10     | 1/4       | PV10-14R-L / <b>88200606</b>  | 10RC-14 / <b>88263112</b>   |
| 12-10     | 5/16      | PV10-56R-L / <b>88200614</b>  | 10RC-516 / <b>88263124</b>  |
| 12-10     | 3/8       | PV10-38R-L / <b>88200610</b>  | 10RC-38 / <b>88263122</b>   |
| 12-10     | 6         | PV10-6RX-L / <b>88200626</b>  | 10RC-6X / <b>88263130</b>   |
| 12-10     | 8         | PV10-8RX-L / <b>88200638</b>  | 10RC-8X / <b>88263138</b>   |
| 12-10     | 10        | PV10-10RX-L / <b>88200595</b> | 10RC-10X / <b>88263111</b>  |
| 12-10     | 1/4       | PV10-14RX-L / <b>88200608</b> | 10RC-14X / <b>88263117</b>  |
| 12-10     | 5/16      | PV10-56RX-L / <b>88200616</b> | 10RC-516X / <b>88263125</b> |
| 12-10     | 3/8       | PV10-38RX-L / <b>88200612</b> | 10RC-38X / <b>88263123</b>  |

# Terminating, Splicing & Grounding

## Terminals, Ring Tongue - Insulated - Nylon • Terminals, Flanged Fork Tongue - Non-Insulated

### Ring Tongue, Insulated, Nylon

Panduit / Thomas & Betts



| Wire Size | Stud Size | Panduit<br>Mfg / GBID         | T&B<br>Mfg / GBID           |
|-----------|-----------|-------------------------------|-----------------------------|
| 22-18     | 4         | PN18-4R-C / <b>88200105</b>   | RA18-4 / <b>88265931</b>    |
| 22-18     | 6         | PN18-6R-C / <b>88200117</b>   | RA18-6 / <b>88265933</b>    |
| 22-18     | 8         | PN18-8R-C / <b>88200127</b>   | RA18-8 / <b>88265937</b>    |
| 22-18     | 10        | PN18-10R-C / <b>88200095</b>  | RA18-10 / <b>88265919</b>   |
| 22-18     | 1/4       | PN18-14R-C / <b>88200101</b>  | RA18-14 / <b>88265926</b>   |
| 22-18     | 5/16      | PN18-56R-C / <b>88200109</b>  | RA18-516 / <b>88265932</b>  |
| 22-18     | 3/8       | PN18-38R-C / <b>88200103</b>  | RA18-38 / <b>88265930</b>   |
| 16-14     | 4         | PN14-4R-C / <b>88200049</b>   | RB14-4 / <b>88265961</b>    |
| 16-14     | 6         | PN14-6R-C / <b>88200066</b>   | RB14-6 / <b>88265965</b>    |
| 16-14     | 8         | PN14-8R-C / <b>88200082</b>   | RB14-8 / <b>88265970</b>    |
| 16-14     | 10        | PN14-10R-C / <b>88200026</b>  | RB14-10 / <b>88265945</b>   |
| 16-14     | 1/4       | PN14-14R-C / <b>88200036</b>  | RB14-14 / <b>88265953</b>   |
| 16-14     | 5/16      | PN14-56R-C / <b>88200055</b>  | RB14-516 / <b>88265963</b>  |
| 16-14     | 3/8       | PN14-38R-C / <b>88200043</b>  | RB14-38 / <b>88265959</b>   |
| 16-14     | 4         | PN14-4RX-C / <b>88200051</b>  | RB14-4X / <b>88265962</b>   |
| 16-14     | 6         | PN14-6RX-C / <b>88200070</b>  | RB14-6X / <b>88265969</b>   |
| 16-14     | 8         | PN14-8RX-C / <b>88200084</b>  | RB14-8X / <b>88265974</b>   |
| 16-14     | 10        | PN14-10RX-C / <b>88200028</b> | RB14-10X / <b>88265949</b>  |
| 16-14     | 1/4       | PN14-14RX-C / <b>88200038</b> | RB14-14X / <b>88265955</b>  |
| 16-14     | 5/16      | PN14-56RX-C / <b>88200057</b> | RB14-516X / <b>88265964</b> |
| 12-10     | 6         | PN10-6R-L / <b>88200005</b>   | RC10-6 / <b>88265998</b>    |
| 12-10     | 8         | PN10-8R-L / <b>88200016</b>   | RC10-8 / <b>88266002</b>    |
| 12-10     | 10        | PN10-10R-L / <b>88199980</b>  | RC10-10 / <b>88265981</b>   |
| 12-10     | 1/4       | PN10-14R-L / <b>88199989</b>  | RC10-14 / <b>88265988</b>   |
| 12-10     | 5/16      | PN10-56R-L / <b>88199998</b>  | RC10-516 / <b>88265996</b>  |
| 12-10     | 3/8       | PN10-38R-L / <b>88199994</b>  | RC10-38 / <b>88265994</b>   |
| 12-10     | 6         | PN10-6RX-L / <b>88200007</b>  | RC10-6X / <b>88266001</b>   |
| 12-10     | 8         | PN10-8RX-L / <b>88200018</b>  | RC10-8X / <b>88266006</b>   |
| 12-10     | 10        | PN10-10RX-L / <b>88199982</b> | RC10-10X / <b>88265985</b>  |
| 12-10     | 1/4       | PN10-14RX-L / <b>88199991</b> | RC10-14X / <b>88265991</b>  |
| 12-10     | 5/16      | PN10-56RX-L / <b>88200000</b> | RC10-516X / <b>88265997</b> |
| 12-10     | 3/8       | PN10-38RX-L / <b>88199996</b> | RC10-38X / <b>88265995</b>  |

### Fork Tongue, Non-Insulated

Panduit / Thomas & Betts



| Wire Size | Stud Size | Panduit<br>Mfg / GBID       | T&B<br>Mfg / GBID         |
|-----------|-----------|-----------------------------|---------------------------|
| 22-18     | 6         | P18-6F-C / <b>88198510</b>  | A18-6F / <b>88265497</b>  |
| 22-18     | 8         | P18-8F-C / <b>88198518</b>  | A18-8F / <b>88265500</b>  |
| 22-18     | 10        | P18-10F-C / <b>88198493</b> | A18-10F / <b>88265480</b> |
| 22-18     | 1/4       | P18-14F-C / <b>88198500</b> | A18-14F / <b>88265487</b> |
| 16-14     | 6         | P14-6F-C / <b>88198473</b>  | B14-6F / <b>88265566</b>  |
| 16-14     | 8         | P14-8F-C / <b>88198483</b>  | B14-8F / <b>88265571</b>  |
| 16-14     | 10        | P14-10F-C / <b>88198456</b> | B14-10F / <b>88265547</b> |
| 16-14     | 1/4       | P14-14F-C / <b>88198463</b> | B14-14F / <b>88265555</b> |
| 12-10     | 6         | P10-6F-L / <b>88198439</b>  | C10-6F / <b>88265627</b>  |
| 12-10     | 8         | P10-8F-L / <b>88198446</b>  | C10-8F / <b>88265631</b>  |
| 12-10     | 10        | P10-10F-L / <b>88198419</b> | C10-10F / <b>88265613</b> |
| 12-10     | 1/4       | P10-14F-L / <b>88198428</b> | C10-14F / <b>88265618</b> |

### Locking Fork Tongue, Non-Insulated

Panduit / Thomas & Betts



| Wire Size | Stud Size | Panduit<br>Mfg / GBID        | T&B<br>Mfg / GBID          |
|-----------|-----------|------------------------------|----------------------------|
| 22-18     | 6         | P18-6LF-C / <b>88198512</b>  | A18-6FL / <b>88265498</b>  |
| 22-18     | 8         | P18-8LF-C / <b>88198522</b>  | A18-8FL / <b>88265501</b>  |
| 22-18     | 10        | P18-10LF-C / <b>88198495</b> | A18-10FL / <b>88265481</b> |
| 16-14     | 6         | P14-6LF-C / <b>88198477</b>  | B14-6FL / <b>88265567</b>  |
| 16-14     | 8         | P14-8LF-C / <b>88198487</b>  | B14-8FL / <b>88265572</b>  |
| 16-14     | 10        | P14-10LF-C / <b>88198458</b> | B14-10FL / <b>88265548</b> |
| 12-10     | 6         | P10-6LF-L / <b>88198441</b>  | C10-6FL / <b>88265628</b>  |
| 12-10     | 8         | P10-8LF-L / <b>88198448</b>  | C10-8FL / <b>88265632</b>  |
| 12-10     | 10        | P10-10LF-L / <b>88198423</b> | C10-10FL / <b>88265614</b> |
| 12-10     | 1/4       | P10-14LF-L / <b>88198430</b> | C10-14FL / <b>88265619</b> |

### Flanged Fork Tongue, Non-Insulated

Panduit / Thomas & Betts



| Wire Size | Stud Size | Panduit<br>Mfg / GBID        | T&B<br>Mfg / GBID |
|-----------|-----------|------------------------------|-------------------|
| 22-18     | 8         | P18-8FF-C / <b>88198520</b>  | -                 |
| 16-14     | 6         | P14-6FF-C / <b>88198475</b>  | -                 |
| 16-14     | 8         | P14-8FF-C / <b>88198485</b>  | -                 |
| 12-10     | 10        | P10-10FF-L / <b>88198421</b> | -                 |

### Fork Tongue, Insulation Support

Panduit / Thomas & Betts



| Wire Size | Stud Size | Panduit<br>Mfg / GBID         | T&B<br>Mfg / GBID           |
|-----------|-----------|-------------------------------|-----------------------------|
| 22-18     | 6         | PV18-6F-C / <b>88200733</b>   | 18RA-6F / <b>88263576</b>   |
| 22-18     | 8         | PV18-8F-C / <b>88200749</b>   | 18RA-8F / <b>88263584</b>   |
| 22-18     | 10        | PV18-10F-C / <b>88200705</b>  | 18RA-10F / <b>88263556</b>  |
| 22-18     | 6         | PV18-6FX-C / <b>88200735</b>  | 18RA-6FX / <b>88263580</b>  |
| 22-18     | 8         | PV18-8FX-C / <b>88200751</b>  | 18RA-8FX / <b>88263588</b>  |
| 22-18     | 10        | PV18-10FX-C / <b>88200707</b> | 18RA-10FX / <b>88263560</b> |
| 16-14     | 6         | PV14-6F-C / <b>88200674</b>   | 14RB-6F / <b>88263426</b>   |
| 16-14     | 8         | PV14-8F-C / <b>88200691</b>   | 14RB-8F / <b>88263435</b>   |
| 16-14     | 10        | PV14-10F-C / <b>88200646</b>  | 14RB-10F / <b>88263404</b>  |
| 16-14     | 1/4       | PV14-14F-C / <b>95032732</b>  | 14RB-14F / <b>88263412</b>  |
| 16-14     | 6         | PV14-6FX-C / <b>88200676</b>  | 14RB-6FX / <b>88263431</b>  |
| 16-14     | 8         | PV14-8FX-C / <b>88200693</b>  | 14RB-8FX / <b>88263439</b>  |
| 16-14     | 10        | PV14-10FX-C / <b>88200648</b> | 14RB-10FX / <b>88263408</b> |
| 12-10     | 6         | PV10-6F-L / <b>88200618</b>   | 10RC-6F / <b>88263127</b>   |
| 12-10     | 8         | PV10-8F-L / <b>88200628</b>   | 10RC-8F / <b>88263132</b>   |
| 12-10     | 10        | PV10-10F-L / <b>88200585</b>  | 10RC-10F / <b>88263105</b>  |
| 12-10     | 1/4       | PV10-14F-L / <b>88200598</b>  | 10RC-14F / <b>88263113</b>  |
| 12-10     | 8         | PV10-8FX-L / <b>88200630</b>  | 10RC-8FX / <b>88263136</b>  |
| 12-10     | 10        | PV10-10FX-L / <b>88200587</b> | 10RC-10FX / <b>88263109</b> |
| 12-10     | 1/4       | PV10-14FX-L / <b>88200600</b> | 10RC-14FX / <b>88263116</b> |

### Locking Fork Tongue, Insulation Support

Panduit / Thomas & Betts



| Wire Size | Stud Size | Panduit<br>Mfg / GBID          | T&B<br>Mfg / GBID            |
|-----------|-----------|--------------------------------|------------------------------|
| 22-18     | 6         | PV18-6LF-C / <b>88200737</b>   | 18RA-6FL / <b>88263577</b>   |
| 22-18     | 8         | PV18-8LF-C / <b>88200753</b>   | 18RA-8FL / <b>88263585</b>   |
| 22-18     | 10        | PV18-10LF-C / <b>88200709</b>  | 18RA-10FL / <b>88263557</b>  |
| 22-18     | 6         | PV18-6LFX-C / <b>88200741</b>  | 18RA-6FLX / <b>88263578</b>  |
| 22-18     | 8         | PV18-8LFX-C / <b>88200755</b>  | 18RA-8FLX / <b>88263586</b>  |
| 22-18     | 10        | PV18-10LFX-C / <b>88200711</b> | 18RA-10FLX / <b>88263558</b> |
| 16-14     | 6         | PV14-6LF-C / <b>88200678</b>   | 14RB-6FL / <b>88263427</b>   |
| 16-14     | 8         | PV14-8LF-C / <b>88200695</b>   | 14RB-8FL / <b>88263436</b>   |
| 16-14     | 10        | PV14-10LF-C / <b>88200650</b>  | 14RB-10FL / <b>88263405</b>  |
| 16-14     | 6         | PV14-6LFX-C / <b>88200682</b>  | 14RB-6FLX / <b>88263428</b>  |
| 16-14     | 8         | PV14-8LFX-C / <b>88200697</b>  | 14RB-8FLX / <b>88263437</b>  |
| 16-14     | 10        | PV14-10LFX-C / <b>88200652</b> | 14RB-10FLX / <b>88263406</b> |
| 12-10     | 6         | PV10-6LF-L / <b>88200620</b>   | 10RC-6FL / <b>88263128</b>   |
| 12-10     | 8         | PV10-8LF-L / <b>88200632</b>   | 10RC-8FL / <b>88263133</b>   |
| 12-10     | 10        | PV10-10LF-L / <b>88200589</b>  | 10RC-10FL / <b>88263106</b>  |
| 12-10     | 1/4       | PV10-14LF-L / <b>88200602</b>  | 10RC-14FL / <b>88263114</b>  |
| 12-10     | 6         | PV10-6LFX-L / <b>88200622</b>  | 10RC-6FLX / <b>88263129</b>  |
| 12-10     | 8         | PV10-8LFX-L / <b>88200634</b>  | 10RC-8FLX / <b>88263134</b>  |
| 12-10     | 10        | PV10-10LFX-L / <b>88200591</b> | 10RC-10FLX / <b>88263107</b> |
| 12-10     | 1/4       | PV10-14LFX-L / <b>88200604</b> | 10RC-14FLX / <b>88263115</b> |

### Fork Tongue, Insulation Grip

Panduit / Thomas & Betts



| Wire Size | Stud Size | Panduit<br>Mfg / GBID        | T&B<br>Mfg / GBID          |
|-----------|-----------|------------------------------|----------------------------|
| 22-18     | 6         | PN18-6F-C / <b>88200112</b>  | RA18-6F / <b>88265934</b>  |
| 22-18     | 8         | PN18-8F-C / <b>88200122</b>  | RA18-8F / <b>88265938</b>  |
| 22-18     | 10        | PN18-10F-C / <b>88200090</b> | RA18-10F / <b>88265920</b> |
| 22-18     | 1/4       | PN18-14F-C / <b>88200099</b> | RA18-14F / <b>88265927</b> |
| 16-14     | 6         | PN14-6F-C / <b>88200061</b>  | RB14-6F / <b>88265966</b>  |
| 16-14     | 8         | PN14-8F-C / <b>88200076</b>  | RB14-8F / <b>88265971</b>  |
| 16-14     | 10        | PN14-10F-C / <b>88200021</b> | RB14-10F / <b>88265946</b> |
| 16-14     | 1/4       | PN14-14F-C / <b>88200034</b> | RB14-14F / <b>88265954</b> |
| 12-10     | 6         | PN10-6F-L / <b>88200002</b>  | RC10-6F / <b>88265999</b>  |
| 12-10     | 8         | PN10-8F-L / <b>88200011</b>  | RC10-8F / <b>88266003</b>  |
| 12-10     | 10        | PN10-10F-L / <b>88199975</b> | RC10-10F / <b>88265982</b> |
| 12-10     | 1/4       | PN10-14F-L / <b>88199986</b> | RC10-14F / <b>88265989</b> |

### Locking Fork Tongue, Insulation Grip

Panduit / Thomas & Betts



| Wire Size | Stud Size | Panduit<br>Mfg / GBID         | T&B<br>Mfg / GBID           |
|-----------|-----------|-------------------------------|-----------------------------|
| 22-18     | 6         | PN18-6LF-C / <b>88200116</b>  | RA18-6FL / <b>88265935</b>  |
| 22-18     | 8         | PN18-8LF-C / <b>88200126</b>  | RA18-8FL / <b>88265939</b>  |
| 22-18     | 10        | PN18-10LF-C / <b>88200094</b> | RA18-10FL / <b>88265921</b> |
| 16-14     | 6         | PN14-6LF-C / <b>88200065</b>  | RB14-6FL / <b>88265967</b>  |
| 16-14     | 8         | PN14-8LF-C / <b>88200080</b>  | RB14-8FL / <b>88265972</b>  |
| 16-14     | 10        | PN14-10LF-C / <b>88200025</b> | RB14-10FL / <b>88265947</b> |
| 12-10     | 6         | PN10-6LF-L / <b>88200003</b>  | RC10-6FL / <b>88266000</b>  |
| 12-10     | 8         | PN10-8LF-L / <b>88200014</b>  | RC10-8FL / <b>88266004</b>  |
| 12-10     | 10        | PN10-10LF-L / <b>88199978</b> | RC10-10FL / <b>88265983</b> |
| 12-10     | 1/4       | PN10-14LF-L / <b>88199987</b> | RC10-14FL / <b>88265990</b> |

# Terminating, Splicing & Grounding

## Terminals, Flanged Fork Tongue - Insulated - Nylon • Connectors, Splices - Butt

### Flanged Fork Tongue, Insulation Grip

Panduit / Thomas & Betts



| Wire Size | Stud Size | Panduit<br>Mfg / GBID                  | T&B<br>Mfg / GBID                    |
|-----------|-----------|--|--------------------------------------|
| 22-18     | 6         | PN18-6FF-C / <a href="#">88200114</a>  | RA18-6FS / <a href="#">88265936</a>  |
| 22-18     | 8         | PN18-8FF-C / <a href="#">88200124</a>  | RA18-8FS / <a href="#">88265940</a>  |
| 22-18     | 10        | PN18-10FF-C / <a href="#">88200092</a> | RA18-10FS / <a href="#">88265922</a> |
| 16-14     | 6         | PN14-6FF-C / <a href="#">88200063</a>  | RB14-6FS / <a href="#">88265968</a>  |
| 16-14     | 8         | PN14-8FF-C / <a href="#">88200078</a>  | RB14-8FS / <a href="#">88265973</a>  |
| 16-14     | 10        | PN14-10FF-C / <a href="#">88200023</a> | RB14-10FS / <a href="#">88265948</a> |
| 12-10     | 8         | PN10-8FF-L / <a href="#">88200013</a>  | RC10-8FS / <a href="#">88266005</a>  |
| 12-10     | 10        | PN10-10FF-L / <a href="#">88199977</a> | RC10-10FS / <a href="#">88265984</a> |

### Non-Insulated and Insulated Butt Splices

Thomas & Betts



2RAS18X



2A-18

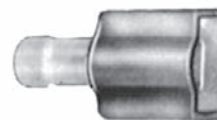
| Mfg. No. | Advanced ID              | Type  | Maximum Temperature<br>Rating | Maximum Insulation<br>Diameter | Insulation<br>Material | Conductor<br>Range | Color<br>Code |
|----------|--------------------------|---|-------------------------------|--------------------------------|------------------------|--------------------|---------------|
| 2A-18    | <a href="#">88263961</a> | Non-Insulated Butt Splice                   | 150°C                         | -                              | Non-Insulated          | 22-18 AWG          | -             |
| 2B-14    | <a href="#">88263965</a> | Non-Insulated Butt Splice                   | 150°C                         | -                              | Non-Insulated          | 16-14 AWG          | -             |
| 2C-10    | <a href="#">88263970</a> | Non-Insulated Butt Splice                   | 150°C                         | -                              | Non-Insulated          | 12-10 AWG          | -             |
| 2RA18    | <a href="#">88263983</a> | Insulated Nylon Butt Splice                 | 105°C                         | 0.115 in.                      | Nylon                  | 22-18 AWG          | Red           |
| 2RA18X   | <a href="#">88263985</a> | Insulated Vinyl Butt Splice                 | 105°C                         | 0.170 in.                      | Vinyl                  | 22-18 AWG          | Red           |
| 2RAS18X  | <a href="#">92051854</a> | Insulated Nylon Heat Shrinkable Butt Splice | 105°C                         | 0.170 in.                      | Nylon                  | 22-18 AWG          | Red           |
| 2RB14    | <a href="#">88263987</a> | Insulated Nylon Butt Splice                 | 105°C                         | 0.148 in.                      | Nylon                  | 16-14 AWG          | Blue          |
| 2RB14X   | <a href="#">88263989</a> | Insulated Vinyl Butt Splice                 | 105°C                         | 0.200 in.                      | Vinyl                  | 16-14 AWG          | Blue          |
| 2RC10    | <a href="#">88263991</a> | Insulated Nylon Butt Splice                 | 105°C                         | 0.210 in.                      | Nylon                  | 12-10 AWG          | Yellow        |
| 2RC10X   | <a href="#">88263993</a> | Insulated Vinyl Butt Splice                 | 105°C                         | 0.250 in.                      | Vinyl                  | 12-10 AWG          | Yellow        |

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### Sta-Kon 250 Series Disconnect Insulated

Thomas & Betts



#### Benefits

- Disconnect Terminals Provide a Quick, Reliable Method of Connection to Auxiliary Equipment with Contacts
- They Are Supplied in a Variety of Styles to Meet Virtually All Quick-Disconnect Requirements
- Female Disconnect Terminals and Matching Male Tabs Accommodate a Range of 22-10 AWG, and Are Available in Non-Insulated, Partially Insulated, and Fully Insulated Styles, in Both Nylon and Vinyl
- They Are Available in Various Tab Widths Including .250, .187 and .110 in.
- A Unique Construction of the Female Disconnect Offers Long-Term Dependability

| Mfg. No.    | Advanced ID              | Type              | Tab Size          | Maximum Temperature Rating | Insulation Material | Conductor Range | Color Code |
|-------------|--------------------------|-------------------|-------------------|----------------------------|---------------------|-----------------|------------|
| 10RC-250F   | <a href="#">88263118</a> | Female Disconnect | 0.250 x 0.032 in. | 105°C                      | Vinyl               | 12-10 AWG       | Yellow     |
| 10RC-250T   | <a href="#">88263119</a> | Male Disconnect   | 0.250 x 0.032 in. | 105°C                      | Vinyl               | 12-10 AWG       | Yellow     |
| 10RC-2577   | <a href="#">88263121</a> | Female Disconnect | 0.250 x 0.032 in. | 105°C                      | Nylon               | 12-10 AWG       | Yellow     |
| 14RB-250F   | <a href="#">88263414</a> | Female Disconnect | 0.250 x 0.032 in. | 105°C                      | Vinyl               | 16-14 AWG       | Blue       |
| 14RB-250FCP | <a href="#">93147411</a> | Female Disconnect | 0.250 x 0.032 in. | 105°C                      | Vinyl               | 16-14 AWG       | Blue       |
| 14RB-250T   | <a href="#">88263416</a> | Male Disconnect   | 0.250 x 0.032 in. | 105°C                      | Vinyl               | 16-14 AWG       | Blue       |
| 14RB-251T   | <a href="#">88263417</a> | Male Disconnect   | 0.250 x 0.032 in. | 105°C                      | Nylon               | 16-14 AWG       | Blue       |
| 14RB-2577   | <a href="#">88263418</a> | Female Disconnect | 0.250 x 0.032 in. | 105°C                      | Nylon               | 16-14 AWG       | Blue       |
| 18RA-250F   | <a href="#">88263565</a> | Female Disconnect | 0.250 x 0.032 in. | 105°C                      | Vinyl               | 22-18 AWG       | Red        |
| 18RA-250FCP | <a href="#">93147410</a> | Female Disconnect | 0.250 x 0.032 in. | 105°C                      | Vinyl               | 22-18 AWG       | Red        |
| 18RA-250T   | <a href="#">88263566</a> | Male Disconnect   | 0.250 x 0.032 in. | 105°C                      | Vinyl               | 22-18 AWG       | Red        |
| 18RA-251T   | <a href="#">88263567</a> | Male Disconnect   | 0.250 x 0.032 in. | 105°C                      | Nylon               | 22-18 AWG       | Red        |
| 18RA-2577   | <a href="#">88263568</a> | Female Disconnect | 0.250 x 0.032 in. | 105°C                      | Nylon               | 22-18 AWG       | Red        |
| RA18-250F   | <a href="#">88265929</a> | Female Disconnect | 0.250 x 0.032 in. | 105°C                      | Nylon               | 22-18 AWG       | Red        |
| RB14-250A   | <a href="#">88265957</a> | Female Disconnect | 0.250 x 0.032 in. | 105°C                      | Nylon               | 16-14 AWG       | Blue       |
| RB14-250F   | <a href="#">88265958</a> | Female Disconnect | 0.250 x 0.032 in. | 105°C                      | Nylon               | 16-14 AWG       | Blue       |
| RC10-250A   | <a href="#">88265992</a> | Female Disconnect | 0.250 x 0.032 in. | 105°C                      | Nylon               | 12-10 AWG       | Yellow     |
| RC10-250F   | <a href="#">88265993</a> | Female Disconnect | 0.250 x 0.032 in. | 105°C                      | Nylon               | 12-10 AWG       | Yellow     |

### Non-Insulated and Insulated 1-Piece Crimp-On Wire Joint

Thomas & Betts



PT70



RB44

#### Benefits

- Sta-Kon Wire Joints Come in One-Piece Nylon, Self-Insulated and Non-Insulated, and a Two-Piece Nylon Insulated Assembly
- Use WT2000 Hand Tool for Installation

| Mfg. No.               | Advanced ID              | Conductor Range                   |
|------------------------|--------------------------|-----------------------------------|
| <b>Non-Insulated</b>   |                          |                                   |
| PT70                   | <a href="#">88265916</a> | (2) #14 Minimum - (3) #12 Maximum |
| <b>Nylon Insulated</b> |                          |                                   |
| RB44                   | <a href="#">88265976</a> | (2) #18 Minimum - (2) #16 Maximum |
| RC55                   | <a href="#">88266007</a> | (4) #18 Minimum - (2) #12 Maximum |

### Steel Crimp Connector

IDEAL INDUSTRIES, INC.

#### Features

- Min 1 #14 w/ 1 #18, Max 2 #10 w/ 2 #14
- Rated for 600V Maximum
- Designed for Fast, Permanent, Pressure-Type Connections
- UL Listed and CSA Certified
- Zinc-Plated or Copper Sleeves Resist Corrosion



| Mfg. No. | Advanced ID              | Conductor Range           |
|----------|--------------------------|---------------------------|
| 30-410   | <a href="#">88134953</a> | #18 Minimum - #10 Maximum |
| 30-411   | <a href="#">88134954</a> | #18 Minimum - #8 Maximum  |
| 30-412   | <a href="#">88134955</a> | #18 Minimum - #4 Maximum  |

### 3M™ Scotchlok™ Insulation Displacement Connectors (IDCs) for Electrical Applications

3M



Scotchlok 314



Scotchlok 558



Scotchlok 560



Scotchlok 562



Scotchlok 567

Each Scotchlok IDC for Electrical Applications incorporates a full wire range capability.

| Mfg. No.   | Advanced ID              | Type              | Conductor Range                           | Color      | Package Quantity |
|------------|--------------------------|-------------------|---|------------|------------------|
| 314-BOXED  | <a href="#">88314740</a> | Pigtail           | 22-14 AWG                                 | Blue       | 50/Box           |
| 314U-BOXED | <a href="#">88314741</a> | Pigtail           | 22-14 AWG                                 | White      | 50/Box           |
| 558-BOX    | <a href="#">88176067</a> | Run and Tap       | 22-16 AWG                                 | Red        | 100/Box          |
| 560-BOX    | <a href="#">88176069</a> | Double Run or Tap | 18-16 AWG Solid/Stranded, 14 AWG Stranded | Light Blue | 100/Box          |
| 562-BOX    | <a href="#">88176087</a> | Double Run or Tap | 12 AWG Solid/Stranded, 10 AWG Stranded    | Yellow     | 50/Box           |
| 567-BOX    | <a href="#">88176109</a> | Run and Tap       | 18-14 AWG Tap, 12-10 AWG Run              | Brown      | 50/Box           |

## 3M™ Scotchlok™ and 3M™ Highland™ Spring Connectors

3M

Scotchlok Y, R, G and B Electrical Spring Connectors are the original color-coded wire connectors with a unique soft shell that is easy on the fingers. They're flexible, yet durable and provide a compact, fully-insulated connection that won't cut or abrade wires. Their torque fins are engineered to provide a comfortable and secure grip, which makes installation fast and back-off easy. They are rated to 600V (1000V for signs, lighting fixtures and luminaries) with a maximum temperature rating of 221°F.

Highland Wire Connectors make it quick and easy to match the right connector to the size of the wire. The shells are designed to withstand temperatures up to 221°F. Highland color-coded wire connectors are UL Listed, CSA Certified and work equally well with either solid or stranded wire. H-29 and H-30 connectors are rated to 300V. H-31, H-33 and H-35 connectors are rated to 600V. They have a round wire spring.



| Mfg. No.          | Advanced ID     | Conductor Range  | Color  | Package Quantity |
|-------------------|-----------------|--|--------|------------------|
| <b>Scotchlok™</b> |                 |  |        |                  |
| B-BOX             | <b>88176233</b> | 3-6#12, 2-6#10, 2-3#8 or 1-2#6 AWG Stranded                | Blue   | 50/Box           |
| G-BOX             | <b>88176290</b> | 3-7#14, 2-6#12, 2-4#10 or 2#8 AWG                          | Gray   | 100/Box          |
| G-BULK            | <b>88176291</b> | 3-7#14, 2-6#12, 2-4#10 or 2#8 AWG                          | Gray   | 500/Bag          |
| R-BOX             | <b>88176830</b> | 9#18, 4-6#16, 2-5#14, 2-5#12 or 1-3#10 AWG                 | Red    | 100/Box          |
| R-BULK            | <b>88176831</b> | 9#18, 4-6#16, 2-5#14, 2-5#12 or 1-3#10 AWG                 | Red    | 500/Bag          |
| Y-BOX             | <b>88176972</b> | 5-8#22, 4-6#20, 2-5#18, 2-3#16, 1-3#14, 1-2#12 or 1#10 AWG | Yellow | 100/Box          |
| Y-BULK            | <b>88176973</b> | 5-8#22, 4-6#20, 2-5#18, 2-3#16, 1-3#14, 1-2#12 or 1#10 AWG | Yellow | 500/Bag          |
| <b>Highland™</b>  |                 |  |        |                  |
| H-29-BOXED        | <b>94012829</b> | 22-16 AWG  | Gray   | 100/Box          |
| H-30-BOXED        | <b>94012830</b> | 22-16 AWG  | Blue   | 100/Box          |
| H-31-BOXED        | <b>94012831</b> | 18-14 AWG  | Orange | 100/Box          |
| H-33-BOXED        | <b>94012826</b> | 18-12 AWG  | Yellow | 100/Box          |
| H-35-BOXED        | <b>94012996</b> | 18-10 AWG  | Red    | 100/Box          |

## Wire Connector Drivers

3M

These application tools for 3M "Performance+" O/B+ and R/Y+; 3M 212, 312 and 512; and Scotchlok Y, R and G connectors quickly spin on the connector and position the wire bundle in the box. The WCD-P Power Driver fits a standard chuck.



| Mfg. No. | Advanced ID     | Description  | For Use With  | Type  |
|----------|-----------------|--|---|-------|
| WCD-P    | <b>92089568</b> | Wire Connector Driver, Power Driver, Fits Standard Chuck | O/B+, R/Y+, 212, 312, 512 and Scotchlok Y, R and G Connectors | Power |
| WCD-H    | <b>92089569</b> | Wire Connector Driver, Hand Driver                       | O/B+, R/Y+, 212, 312, 512 and Scotchlok Y, R and G Connectors | Hand  |

### B-CAP® Screw On Wire Connectors

IDEAL INDUSTRIES, INC.

#### Features

- Classic Fin™ Design and Deep Skirt Protection
- Rated for 600V Maximum
- Live-Action, Square-Wire Spring
- No Pre-Twisting Required
- UL Listed and CSA Certified
- Easily Removable for Repeat Use
- Flame-Retardant Shell Rated for 105°C



| Mfg. No. | Advanced ID              | Conductor Range         | Color     | Package Quantity |
|----------|--------------------------|-------------------------|-----------|------------------|
| B1-1     | <a href="#">88008682</a> | 2 #18 to 3 #12 AWG wire | Yellow    | Box of 100       |
| B1-250JR | <a href="#">97279916</a> | 2 #18 to 3 #12 AWG wire | Yellow    | Jar of 250       |
| B1-B     | <a href="#">22106321</a> | 2 #18 to 3 #12 AWG wire | Yellow    | Keg of 10,000    |
| B2-B     | <a href="#">22106322</a> | 2 #18 to 5 #12 AWG wire | Red       | Keg of 10,000    |
| B4-1     | <a href="#">88008780</a> | 2 #12 to 2 #6 AWG wire  | Blue/Gray | Box of 50        |

### Twister® Al/Cu Wire Connectors

IDEAL INDUSTRIES, INC.

#### Features

- Aluminum-to-Copper Connector Provides a Secure Connection While Preventing Aluminum Corrosion
- Specially Formulated Corrosion-Resistant Compound Provides Cooler Connections and Increased Conductivity
- Accepts 1 #12 Al Sol. w/ 1 #18 Cu AWG Min. and 1 #10



| Mfg. No. | Advanced ID              | Conductor Range | Color  | Package Quantity |
|----------|--------------------------|-----------------|--------|------------------|
| 30-165   | <a href="#">95011313</a> | 10-18 AWG       | Purple | Box of 25        |
| 30-265   | <a href="#">95011312</a> | 10-18 AWG       | Purple | Box of 100       |

### Twister® DB Plus™ Wire Connectors

IDEAL INDUSTRIES, INC.

#### Features

- Smallest Wet Location/Direct Burial Connector with Widest Wire Range



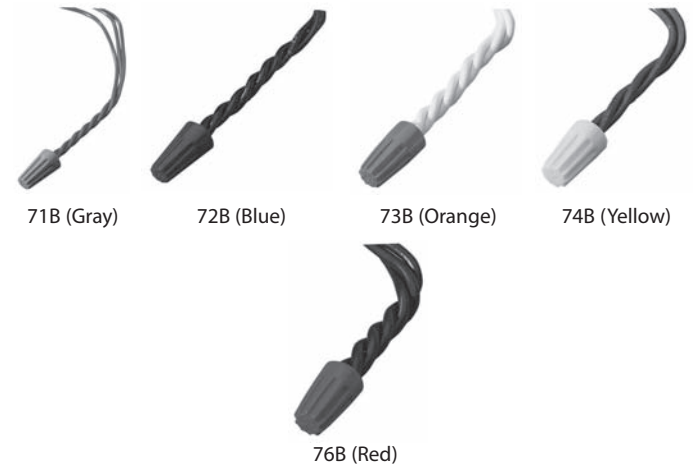
| Mfg. No. | Advanced ID              | Conductor Range | Color | Package Quantity |
|----------|--------------------------|-----------------|-------|------------------|
| 30-060   | <a href="#">94058108</a> | 8-20 AWG        | Blue  | Card of 2        |
| 30-160   | <a href="#">94057884</a> | 8-20 AWG        | Blue  | Box of 25        |
| 30-260   | <a href="#">94058109</a> | 8-20 AWG        | Blue  | Box of 100       |

### Wire-Nut® Wire Connectors

IDEAL INDUSTRIES, INC.

#### Features

- Covers Wire Sizes from 22-8 AWG
- Rated for 300V Maximum
- Fixed, Square-Wire Spring
- No Pre-Twisting Required
- UL Listed and CSA Certified
- Reusable
- Shell Rated for 105°C
- Flame-Retardant Shell



| Mfg. No. | Advanced ID              | Conductor Range | Color  | Package Quantity |
|----------|--------------------------|-----------------|--------|------------------|
| 30-071   | <a href="#">88134891</a> | 16-22 AWG       | Gray   | 100              |
| 30-072   | <a href="#">88134892</a> | 14-22 AWG       | Blue   | 100              |
| 30-073   | <a href="#">88134893</a> | 14-22 AWG       | Orange | 100              |
| 30-073J  | <a href="#">97259058</a> | 14-22 AWG       | Orange | 300              |
| 30-074   | <a href="#">88134895</a> | 12-18 AWG       | Yellow | 100              |
| 30-074J  | <a href="#">97272435</a> | 12-18 AWG       | Yellow | 175              |
| 30-076   | <a href="#">88134897</a> | 10-18 AWG       | Red    | 100              |
| 30-171   | <a href="#">88134907</a> | 16-22 AWG       | Gray   | 1,000            |
| 30-172   | <a href="#">88134908</a> | 14-22 AWG       | Blue   | 1,000            |
| 30-173   | <a href="#">88134909</a> | 14-22 AWG       | Orange | 1,000            |
| 30-273   | <a href="#">88134927</a> | 14-22 AWG       | Orange | 10,000           |
| 30-274   | <a href="#">88134929</a> | 12-18 AWG       | Yellow | 10,000           |
| 30-276   | <a href="#">88134931</a> | 10-18 AWG       | Red    | 5,000            |

### 3M™ Performance+ and Electrical Spring Connectors

3M

Because of their increased wire range, just three “Performance +” Wire Connectors handle the work of seven standard connectors. O/B+ replaces the orange, blue and gray wire nut style connectors as well as 70% of the yellow wire nut and wing style connectors. R/Y+ replaces both red and yellow wing style connectors. B/G+ covers both the large blue and gray connectors. This simplifies selection of the right connector for a wide range of wiring jobs. There’s also less inventory to manage and a better chance you’ll have the connector you need to do every job. They are rated to 600V (1000V for signs, lighting fixtures and luminaries) with a maximum temperature rating of 221°F.

The quick-spin, wing-torque design of 312 and 512 Electrical Spring Connectors is easy on your fingers. The day’s last connection will feel almost as good as the first. Generous expansion room accommodates a wide range of solid or stranded wire. Use the 312 (yellow) connector for wire combinations from 3 #20 to 3 #12 AWG and the 512 (red) connector for 2 #18 to 5 #12 AWG. The 512G (green) is used for grounding connections. These connectors are also rated to 600V (1000V for signs, lighting fixtures and luminaries) with a maximum temperature rating of 221°F.



| Mfg. No.       | Advanced ID              | Conductor Range   | Color       | Package Quantity |
|----------------|--------------------------|---|-------------|------------------|
| O/B-BOXED-PLUS | <a href="#">97231805</a> | 2#22-2#12 or 3#14 AWG   | Orange/Blue | 100/Box          |
| O/B-BULK-PLUS  | <a href="#">97231806</a> | 2#22-2#12 or 3#14 AWG   | Orange/Blue | 500/Jug          |
| R/Y-BOXED-PLUS | <a href="#">97231807</a> | 2#18-2#8 or 5#12 AWG  | Red/Yellow  | 100/Box          |
| R/Y-BULK-PLUS  | <a href="#">97231808</a> | 2#18-2#8 or 5#12 AWG  | Red/Yellow  | 500/Jug          |
| B/G-BOXED-PLUS | <a href="#">97231809</a> | 4#14-2#6-3#8 AWG  | Blue/Gray   | 50/Box           |
| B/G-BULK-PLUS  | <a href="#">97231810</a> | 4#14-2#6-3#8 AWG  | Blue/Gray   | 250/Jug          |
| 312-BOX        | <a href="#">88175936</a> | 5-7#22, 3-6#20, 2-6#18, 2-6#16, 1-4#14 or 1-3#12 AWG  | Yellow      | 100/Box          |
| 312-BULK       | <a href="#">88175937</a> | 5-7#22, 3-6#20, 2-6#18, 2-6#16, 1-4#14 or 1-3#12 AWG  | Yellow      | 500/Bag          |
| 512-BOX        | <a href="#">88176005</a> | 2-10#18, 2-7#16, 1-6#14, 1-5#12, 1-3#10, 1-2#8  | Red         | 100/Box          |
| 512-BULK       | <a href="#">88176006</a> | 2-10#18, 2-7#16, 1-6#14, 1-5#12, 1-3#10, 1-2#8  | Red         | 500/Bag          |
| 512G           | <a href="#">92119226</a> | 2-5#14, 2-5#12, 2-3#10, 1#14 w/1-4#12, 2#14 w/1-3#12, 3#14 w/2-3#12, 4#14 w/1#12, 1#14 w/1-3#10, 2#14 w/1-2#10, 3#14 w/1#10, 1#12 w/1-2#10, 2#12 w/1#10 AWG | Green       | 50/Box           |
| 512G-BULK      | <a href="#">95020631</a> | 2-5#14, 2-5#12, 2-3#10, 1#14 w/1-4#12, 2#14 w/1-3#12, 3#14 w/2-3#12, 4#14 w/1#12, 1#14 w/1-3#10, 2#14 w/1-2#10, 3#14 w/1#10, 1#12 w/1-2#10, 2#12 w/1#10 AWG | Green       | 500/Bag          |

### Twister® PRO Wire Connectors

IDEAL INDUSTRIES, INC.

#### Features

- Suregrip™ Overmolding for Comfort and Better Grip and Less Effort
- Exceptional Wire Range and Capacity
- Molded Vertical Grooves
- Expanding Square-Wire Spring



| Mfg. No. | Advanced ID              | Conductor Range      | Color    | Package Quantity |
|----------|--------------------------|----------------------|----------|------------------|
| 30-144J  | <a href="#">22108489</a> | 4#10 Max., 2#18 Min. | Red/Gray | Tube of 25       |
| 30-244J  | <a href="#">22108492</a> | 4#10 Max., 2#18 Min. | Red/Gray | Jar of 250       |
| 30-644J  | <a href="#">22114352</a> | 4#10 Max., 2#18 Min. | Red/Gray | Jar of 500       |

### Wing-Nut® Wire Connectors

IDEAL INDUSTRIES, INC.



451 (Yellow)



452 (Red)



454 (Blue)

#### Features

- Covers Wire Sizes from 18-6 AWG
- Rated for 600V Maximum
- Contoured Wing Design for Secure Grip
- Live-Action, Square-Wire Spring
- No Pre-Twisting Required
- UL Listed and CSA Certified
- Reusable
- Shell Rated for 105°C
- Flame-Retardant Shell

| Mfg. No. | Advanced ID              | Conductor Range | Color  | Package Quantity |
|----------|--------------------------|-----------------|--------|------------------|
| 30-451   | <a href="#">88134964</a> | 10-18 AWG       | Yellow | Box of 100       |
| 30-451J  | <a href="#">97267629</a> | 10-18 AWG       | Yellow | Jar of 225       |
| 30-452   | <a href="#">88134966</a> | 8-18 AWG        | Red    | Box of 100       |
| 30-452J  | <a href="#">97267630</a> | 8-18 AWG        | Red    | Jar of 300       |
| 30-454   | <a href="#">88134968</a> | 6-14 AWG        | Blue   | Box of 50        |
| 30-551   | <a href="#">88134975</a> | 10-18 AWG       | Yellow | Carton of 1,000  |
| 30-651   | <a href="#">88134980</a> | 10-18 AWG       | Yellow | Bag of 500       |
| 30-652   | <a href="#">88134982</a> | 8-18 AWG        | Red    | Bag of 500       |
| 30-654   | <a href="#">88134984</a> | 6-14 AWG        | Blue   | Bag of 100       |

### Spin-Twist® Wire Connector Socket

IDEAL INDUSTRIES, INC.

#### Features

- Speeds Installation of Ideal and Buchanan Connectors
- 1/4 in. Chuck Fits Most Drills or Drive Sockets



| Mfg. No. | Advanced ID              | Description                               | For Use With                                      | Type  |
|----------|--------------------------|---|---|-------|
| 30-902   | <a href="#">88298311</a> | Wire Connector Driver Fits Standard Chuck | Wire-Nut, Wing-Nut, Twister, B-Cap, and Wingtwist | Power |



### Greenie® Grounding Connectors

IDEAL INDUSTRIES, INC.

#### Features

- Designed for Grounding and Bonding
- Accepts 2 #14 to 3 #12 w/1 #14 AWG Wire Combinations
- Rated for 600V Maximum
- Contoured Wing Design for Secure Grip
- Live-Action, Square-Wire Spring
- No Pre-Twisting Required
- UL Listed and CSA Certified
- Reusable
- Shell Rated for 105°C
- Flame-Retardant Shell



| Mfg. No. | Advanced ID              | Description  | Conductor Range | Color | Type                |
|----------|--------------------------|--------------|-----------------|-------|---------------------|
| 30-092   | <a href="#">88134899</a> | Box of 100   | 10-14 AWG       | Green | Grounding Connector |
| 30-292   | <a href="#">88134936</a> | Keg of 5,000 | 10-14 AWG       | Green | Grounding Connector |

### Term-a-Nut® Wire Connectors

IDEAL INDUSTRIES, INC.



30-3171



30-3172



30-3180



30-3184

#### Features

- Installs Quickly without Crimping
- Use with Single or Multiple Wires
- Easily Removable
- Highly Conductive Brass Terminal
- UL Listed
- Shell Rated for 105°C
- Flame-Retardant Shell

| Mfg. No. | Advanced ID              | Description   | Conductor Range         | Color | Type                 |
|----------|--------------------------|---|-------------------------|-------|----------------------|
| 30-3170  | <a href="#">99451429</a> | White 6 in. Wire, #10 Fork (Bag of 25)  | 4#12 Max or 2#18 w/1#14 | Red   | Twist-On Pigtail     |
| 30-3171  | <a href="#">99451430</a> | Black 6 in. Wire, #10 Fork (Bag of 25)  | 4#12 Max or 2#18 w/1#14 | Red   | Twist-On Pigtail     |
| 30-3172  | <a href="#">99456949</a> | White 6 in. Wire, Stripped End (Bag of 25)                                      | 4#12 Max or 2#18 w/1#14 | Red   | Twist-On Pigtail     |
| 30-3180  | <a href="#">99451431</a> | 6 in. Green Wire, #10 Fork (Bag of 25)  | 4#12 Max or 2#18 w/1#14 | Green | Twist-On Pigtail     |
| 30-3184  | <a href="#">99692211</a> | Stranded Wire Pigtail, #12 AWG Green, #10 Fork, #10 Ring with Screw (Bag of 50) | 4#12 Max or 2#18 w/1#14 | Green | Stranded Wire Jumper |

### Dome-Top® Barb Ty Weather Resistant Cable Ties - Intermediate

Panduit

Features

- Stainless Steel Locking Barb Provides Infinite Adjustability Over its Entire Length
- High Strength and Low Thread Force
- Curved Tip
- Dome-Top Head Features Unique Patented Design with Round, Smooth Edges



| Mfg. No.  | Advanced ID     | Max. Bundle Diameter | Dimensions                                  |
|-----------|-----------------|----------------------|---|
| BT1.5I-C0 | <b>94005344</b> | 1.5 in.              | 6.1 in. x 0.141W in. x 0.041 in. Thickness  |
| BT2I-C0   | <b>94005345</b> | 2 in.                | 8 in. x 0.141W in. x 0.041 in. Thickness    |
| BT3I-C0   | <b>94005346</b> | 3 in.                | 11.3 in. x 0.141W in. x 0.049 in. Thickness |
| BT4I-C0   | <b>94005347</b> | 4 in.                | 14.3 in. x 0.141W in. x 0.049 in. Thickness |

C0=Pkg of 100

### Dome-Top® Barb Ty Cable Ties - Intermediate & Standard

Panduit

Features

- Stainless Steel Locking Barb Provides Consistent Performance, Reliability and Infinite Adjustability Through its Entire Bundle Range
- High Strength and Low Thread Force
- Material: Nylon 6.6
- Available in a Variety of Materials and Colors to Suit Your Application Needs
- Curved Tip for Easy Threading and Handling
- Dome-Top Head Features Unique Patented Design with Round, Smooth Edges



| Mfg. No. | Advanced ID     | Max. Bundle Diameter | Dimensions                     |
|----------|-----------------|----------------------|--------------------------------|
| BT1.5I-C | <b>94005335</b> | 1.5 in.              | 6.1L x 0.141W in. x 0.041 in.  |
| BT1.5I-M | <b>94030535</b> | 1.5 in.              | 6.1L x 0.141W in. x 0.041 in.  |
| BT2I-C   | <b>94005336</b> | 2 in.                | 8L x 0.141W in. x 0.041 in.    |
| BT2S-C   | <b>94005339</b> | 2 in.                | 8L x 0.185W in. x 0.045 in.    |
| BT3I-C   | <b>94005337</b> | 3 in.                | 11.3L x 0.141W in. x 0.049 in. |
| BT2S-M   | <b>94014375</b> | 2 in.                | 8L x 0.185W in. x 0.045 in.    |
| BT3S-C   | <b>94005341</b> | 3 in.                | 12L x 0.185W in. x 0.052 in.   |
| BT3S-M   | <b>96041224</b> | 3 in.                | 12L x 0.185W in. x 0.052 in.   |
| BT4S-C   | <b>94005340</b> | 4 in.                | 15.1L x 0.185W in. x 0.052 in. |
| BT4S-M   | <b>94026499</b> | 4 in.                | 15.1L x 0.185W in. x 0.052 in. |

C=Pkg of 100

M=Pkg of 1000

### Dome-Top® Barb Ty Cable Ties - Nylon 6.6

Panduit

Features

- Dome-Top Head Features Unique Patented Design with Round, Smooth Edges
- Stainless Steel Locking Barb Provides Consistent Performance, Reliability and Infinite Adjustability Through its Entire Bundle Range
- High Strength and Low Thread Force
- Available in a Variety of Materials and Colors to Suit Your Application Needs



| Mfg. No. | Advanced ID     | Max. Bundle Diameter | Dimensions                               |
|----------|-----------------|----------------------|--|
| BT4LH-L  | <b>94005343</b> | 4 in.                | 14.9L x 0.275W in. x 0.065 in. Thickness |
| BT5LH-L  | <b>94007542</b> | 5 in.                | 18.1L x 0.275W in. x 0.065 in. Thickness |
| BT9LH-L  | <b>94026500</b> | 9 in.                | 30.7L x 0.275W in. x 0.065 in. Thickness |

L=Pkg of 50

### Dome-Top® Barb Ty Weather Resistant Cable Ties - Standard

Panduit

Features

- Weather Resistant Nylon has Greater Resistance to Ultraviolet Light which Damages Natural Nylon
- Stainless Steel Locking Barb Provides Infinite Adjustability Over its Entire Length
- Curved Tip for Easy Threading and Handling
- Dome-Top Head Features Unique Patented Design with Round, Smooth Edges



| Mfg. No. | Advanced ID     | Max. Bundle Diameter | Dimensions                     |
|----------|-----------------|----------------------|--------------------------------|
| BT2S-C0  | <b>94005348</b> | 2 in.                | 8L x 0.185W in. x 0.045 in.    |
| BT2S-M0  | <b>94026494</b> | 2 in.                | 8L x 0.185W in. x 0.045 in.    |
| BT3S-C0  | <b>94005349</b> | 3 in.                | 12L x 0.185W in. x 0.052 in.   |
| BT3S-M0  | <b>94058538</b> | 3 in.                | 12L x 0.185W in. x 0.052 in.   |
| BT4S-C0  | <b>94005350</b> | 4 in.                | 15.1L x 0.185W in. x 0.052 in. |
| BT4S-M0  | <b>94035742</b> | 4 in.                | 15.1L x 0.185W in. x 0.052 in. |

C0=Pkg of 100

M0=Pkg of 1000

### Dome-Top® Barb Ty Cable Ties-Nylon 6.6

Panduit

#### Features

- Minimum Tensile Strength 18 lbs.
- Stainless Steel Barb Provides Consistent Performance, Reliability and Infinite Adjustability Through its Entire Bundle Range
- High Strength and Low Thread Force
- Available in a Variety of Materials and Colors to Suit your Application Needs
- Curved Tip for Easy Threading and Handling
- Dome-Top Head Features Unique Patented Design with Round, Smooth Edges



| Mfg. No. | Advanced ID     | Max. Bundle Diameter | Dimensions                    |
|----------|-----------------|----------------------|-------------------------------|
| BT1M-C   | <b>94007544</b> | 0.9 in.              | 4L x 0.095W in. x 0.036 in.   |
| BT1M-M   | <b>94014374</b> | 0.9 in.              | 4L x 0.095W in. x 0.036 in.   |
| BT2M-C   | <b>96051766</b> | 2 in.                | 7.9L x 0.095W in. x 0.046 in. |
| BT2M-M   | <b>96042865</b> | 2 in.                | 7.9L x 0.095W in. x 0.046 in. |

C=Pkg of 100

M=Pkg of 1000

### Dome-Top® Barb Ty Cable Ties - Weather Resistant

Panduit

#### Features

- Minimum Tensile Strength 18 lbs.
- High Strength and Low Thread Force
- Weather Resistant Nylon Has Greater Resistance to Ultraviolet Light which Damages Natural Nylon
- Stainless Steel Locking Barb Provides Infinite Adjustability Through its Entire Bundle Range
- Dome-Top Head Features Unique Patented Design with Round, Smooth Edges



| Mfg. No. | Advanced ID     | Max. Bundle Diameter | Dimensions                    |
|----------|-----------------|----------------------|-------------------------------|
| BT1M-C0  | <b>94007545</b> | 0.9 in.              | 4L x 0.095W in. x 0.036 in.   |
| BT1M-M0  | <b>95076453</b> | 0.9 in.              | 4L x 0.095W in. x 0.036 in.   |
| BT2M-C0  | <b>96058694</b> | 2 in.                | 7.9L x 0.095W in. x 0.046 in. |
| BT2M-M0  | <b>97191144</b> | 2 in.                | 7.9L x 0.095W in. x 0.046 in. |

C0=Pkg of 100

M0=Pkg of 1000

### Dome-Top® Barb Ty Cable Ties - Weather Resistant

Panduit

#### Features

- Dome-Top Head Features Unique Patented Design with Round, Smooth Edges
- Weather Resistant Nylon has Greater Resistance to Ultraviolet Light which Damages Natural Nylon
- Stainless Steel Locking Barb Provides Infinite Adjustability Over its Entire Length
- High Strength & Low Thread Force



| Mfg. No. | Advanced ID     | Max. Bundle Diameter | Dimensions                               |
|----------|-----------------|----------------------|--|
| BT4LH-L0 | <b>94005352</b> | 4 in.                | 14.9L x 0.275W in. x 0.065 in. Thickness |
| BT5LH-L0 | <b>94007543</b> | 5 in.                | 18.1L x 0.275W in. x 0.065 in. Thickness |
| BT9LH-L0 | <b>94026501</b> | 9 in.                | 30.7L x 0.275W in. x 0.065 in. Thickness |

L0 = Pkg of 50

### Pan-Ty® Miniature Cable Ties

Panduit

#### Features

- Minimum Tensile Strength 18 lbs.
- Versatile Cable Ties that Can be Used in Countless Applications
- One Piece Construction for Consistent Performance and Reliability
- Lowest Threading Force of Any One Piece Cable Tie in the Industry
- Available in a Wide Variety of Materials and Colors to Suit Your Application Requirements
- Curved Tip for Easy Threading and Handling
- Natural Nylon 6.6



| Mfg. No.  | Advanced ID     | Max. Bundle Diameter | Dimensions                    |
|-----------|-----------------|----------------------|-------------------------------|
| PLT1.5M-C | <b>88199540</b> | 1.25 in.             | 5.6L x 0.098W in. x 0.043 in. |
| PLT1.5M-M | <b>88199542</b> | 1.25 in.             | 5.6L x 0.098W in. x 0.043 in. |
| PLT1M-C   | <b>88199558</b> | 0.87 in.             | 3.9L x 0.098W in. x 0.043 in. |
| PLT1M-M   | <b>88199599</b> | 0.87 in.             | 3.9L x 0.098W in. x 0.043 in. |
| PLT2M-C   | <b>88199638</b> | 2 in.                | 8L x 0.098W in. x 0.043 in.   |
| PLT2M-M   | <b>88199640</b> | 2 in.                | 8L x 0.098W in. x 0.043 in.   |

C=Pkg of 100

M=Pkg of 1000

### Pan-Ty® Weather Resistant Cable Ties - Miniature

Panduit

Features

- Minimum Tensile Strength 18 lbs.
- One Piece Construction for Consistent Performance and Reliability
- Greater Resistance to Damage Caused by Ultraviolet Light - Indoor or Outdoor Use



| Mfg. No.   | Advanced ID     | Max. Bundle Diameter | Dimensions                    |
|------------|-----------------|----------------------|-------------------------------|
| PLT1.5M-C0 | <b>88199541</b> | 1.25 in.             | 5.6L x 0.098W in. x 0.043 in. |
| PLT1.5M-M0 | <b>88199543</b> | 1.25 in.             | 5.6L x 0.098W in. x 0.043 in. |
| PLT1M-C0   | <b>88199559</b> | 0.87 in.             | 3.9L x 0.098W in. x 0.043 in. |
| PLT1M-M0   | <b>88199600</b> | 0.87 in.             | 3.9L x 0.098W in. x 0.043 in. |
| PLT2M-C0   | <b>88199639</b> | 2 in.                | 8L x 0.098W in. x 0.043 in.   |
| PLT2M-M0   | <b>88199641</b> | 2 in.                | 8L x 0.098W in. x 0.043 in.   |

C0=Pkg of 100

M0=Pkg of 1000

### Pan-Ty® Cable Ties - Nylon 6.6-Intermediate & Standard CPLHEAD-B

Panduit

Features

- Versatile Cable Ties that can be Used in Countless Applications
- One Piece Construction for Consistent Performance and Reliability
- Lowest Threading Force of Any One Piece Cable Tie in the Industry
- Available in a Wide Variety of Materials and Colors to Suit your Application Requirements
- Curved Tip for Easy Threading and Handling



| Mfg. No.  | Advanced ID     | Max. Bundle Diameter | Dimensions                     |
|-----------|-----------------|----------------------|--------------------------------|
| PLT1.5I-C | <b>88199529</b> | 1.38 in.             | 5.6L x 0.142W in. x 0.045 in.  |
| PLT1.5I-M | <b>88199531</b> | 1.38 in.             | 5.6L x 0.142W in. x 0.045 in.  |
| PLT1.5S-C | <b>88199546</b> | 1.5 in.              | 6.2L x 0.19W in. x 0.052 in.   |
| PLT1.5S-M | <b>88199548</b> | 1.5 in.              | 6.2L x 0.19W in. x 0.052 in.   |
| PLT1S-C   | <b>88199611</b> | 1 in.                | 4.8L x 0.19W in. x 0.052 in.   |
| PLT1S-M   | <b>88199613</b> | 1 in.                | 4.8L x 0.19W in. x 0.052 in.   |
| PLT2.5I-C | <b>88199615</b> | 2.5 in.              | 9.7L x 0.145W in. x 0.052 in.  |
| PLT2.5I-M | <b>88199616</b> | 2.5 in.              | 9.7L x 0.145W in. x 0.052 in.  |
| PLT2.5S-C | <b>92038592</b> | 2.5 in.              | 9.8L x 0.19W in. x 0.052 in.   |
| PLT2I-C   | <b>88199625</b> | 2 in.                | 8L x 0.142W in. x 0.045 in.    |
| PLT2I-M   | <b>88199628</b> | 2 in.                | 8L x 0.142W in. x 0.045 in.    |
| PLT2S-C   | <b>88199643</b> | 1.88 in.             | 7.4L x 0.19W in. x 0.052 in.   |
| PLT2S-M   | <b>88199653</b> | 1.88 in.             | 7.4L x 0.19W in. x 0.052 in.   |
| PLT3I-C   | <b>88199665</b> | 3 in.                | 11.4L x 0.145W in. x 0.052 in. |
| PLT3I-M   | <b>88199668</b> | 3 in.                | 11.4L x 0.145W in. x 0.052 in. |
| PLT3S-C   | <b>88199673</b> | 3 in.                | 11.5L x 0.19W in. x 0.052 in.  |
| PLT3S-M   | <b>88199677</b> | 3 in.                | 11.5L x 0.19W in. x 0.052 in.  |
| PLT4.5S-C | <b>96023440</b> | 4.5 in.              | 15.5L x 0.19W in. x 0.052 in.  |
| PLT4H-TL  | <b>88321771</b> | 4 in.                | 14.5L x 0.3W in. x 0.075 in.   |
| PLT4I-C   | <b>88199692</b> | 4 in.                | 14.5L x 0.145W in. x 0.052 in. |
| PLT4I-M   | <b>88199695</b> | 4 in.                | 14.5L x 0.145W in. x 0.052 in. |
| PLT4S-C   | <b>88199698</b> | 4 in.                | 14.5L x 0.19W in. x 0.052 in.  |
| PLT4S-M   | <b>88199705</b> | 4 in.                | 14.5L x 0.19W in. x 0.052 in.  |
| PLT5S-C   | <b>88199713</b> | 5 in.                | 17.5L x 0.19W in. x 0.052 in.  |
| PLT5S-M   | <b>88199715</b> | 5 in.                | 17.5L x 0.19W in. x 0.052 in.  |

L=Pkg of 50

C=Pkg of 100

M=Pkg of 1000

### Pan-Ty® Colored Cable Ties - Intermediate & Standard

#### Panduit

Versatile cable ties can be used in countless applications.

#### Features

- Material: Nylon 6.6
- One Piece Construction
- Curved Tip



| Mfg. No. | Advanced ID     | Max. Bundle Diameter | Dimensions                    |
|----------|-----------------|----------------------|-------------------------------|
| PLT2S-C2 | <b>88199649</b> | 1.88 in.             | 7.4L x 0.19W in. x 0.052 in.  |
| PLT2S-C3 | <b>88199650</b> | 1.88 in.             | 7.4L x 0.19W in. x 0.052 in.  |
| PLT2S-C5 | <b>89021268</b> | 1.88 in.             | 7.4L x 0.19W in. x 0.052 in.  |
| PLT2S-C6 | <b>89021269</b> | 1.88 in.             | 7.4L x 0.19W in. x 0.052 in.  |
| PLT2S-M2 | <b>91030716</b> | 1.88 in.             | 7.4L x 0.19W in. x 0.052 in.  |
| PLT3S-M2 | <b>94001962</b> | 3 in.                | 11.5L x 0.19W in. x 0.052 in. |

Suffix Color Codes:

Black (0), Red (2), Orange (3), Yellow (4), Green (5), Blue (6), Violet (7), Gray (8), White (10), Telco Gray (14)

C=Pkg of 100

M=Pkg of 1000

### Pan-Ty® Weather Resistant Cable Ties - Standard

#### Panduit

#### Features

- Greater Resistance to Ultraviolet Light which Damages Natural Nylon
- For Indoor or Outdoor Use
- One-Piece
- Curved Tip



| Mfg. No.   | Advanced ID     | Max. Bundle Diameter | Dimensions                    |
|------------|-----------------|----------------------|-------------------------------|
| PLT1.5S-C0 | <b>88199547</b> | 1.5 in.              | 6.2L x 0.19W in. x 0.052 in.  |
| PLT1S-C0   | <b>88199612</b> | 1 in.                | 4.8L x 0.19W in. x 0.052 in.  |
| PLT1S-M0   | <b>92137237</b> | 1 in.                | 4.8L x 0.19W in. x 0.052 in.  |
| PLT2S-C0   | <b>88199644</b> | 1.88 in.             | 7.4L x 0.19W in. x 0.052 in.  |
| PLT2S-M0   | <b>88199654</b> | 1.88 in.             | 7.4L x 0.19W in. x 0.052 in.  |
| PLT3S-C0   | <b>88199674</b> | 3 in.                | 11.5L x 0.19W in. x 0.052 in. |
| PLT3S-M0   | <b>88199678</b> | 3 in.                | 11.5L x 0.19W in. x 0.052 in. |
| PLT4S-C0   | <b>88199699</b> | 4 in.                | 14.5L x 0.19W in. x 0.052 in. |
| PLT4S-M0   | <b>88199706</b> | 4 in.                | 14.5L x 0.19W in. x 0.052 in. |
| PLT5S-C0   | <b>88199714</b> | 5 in.                | 17.5L x 0.19W in. x 0.052 in. |

C0=Pkg of 100

M0=Pkg of 1000

### Pan-Ty® Weather Resistant Cable Ties - Intermediate

#### Panduit

#### Features

- One Piece Construction for Consistent Performance and Reliability
- Weather Resistant Material Resists Ultraviolet Light
- For Outdoor Use
- Curved Tip



| Mfg. No.   | Advanced ID     | Max. Bundle Diameter | Dimensions                               |
|------------|-----------------|----------------------|--|
| PLT1.5I-C0 | <b>88199530</b> | 1.38 in.             | 5.6L x 0.142W in. x 0.045 in. Thickness  |
| PLT1.5I-M0 | <b>88199532</b> | 1.38 in.             | 5.6L x 0.142W in. x 0.045 in. Thickness  |
| PLT2I-C0   | <b>88199626</b> | 2 in.                | 8L x 0.142W in. x 0.045 in. Thickness    |
| PLT2I-M0   | <b>88199629</b> | 2 in.                | 8L x 0.142W in. x 0.045 in. Thickness    |
| PLT3I-C0   | <b>88199666</b> | 3 in.                | 11.4L x 0.145W in. x 0.052 in. Thickness |
| PLT3I-M0   | <b>88199669</b> | 3 in.                | 11.4L x 0.145W in. x 0.052 in. Thickness |
| PLT4I-C0   | <b>88199693</b> | 4 in.                | 14.5L x 0.145W in. x 0.052 in. Thickness |

C0=Pkg of 100

M0=Pkg of 1000

### Pan-Ty® Cable Ties - Nylon 6.6 - Light Heavy

#### Panduit

#### Features

- Versatile Cable Ties that Can be Used in Countless Applications
- One Piece Construction for Consistent Performance and Reliability
- Lowest Threading Force of Any One Piece Cable Tie in the Industry



| Mfg. No. | Advanced ID     | Max. Bundle Diameter | Dimensions                             |
|----------|-----------------|----------------------|--|
| PLT6LH-L | <b>95013844</b> | 6 in.                | 21.9L x 0.3W in. x 0.075 in. Thickness |
| PLT7LH-L | <b>88199725</b> | 7 in.                | 24.7L x 0.3W in. x 0.075 in. Thickness |
| PLT9LH-L | <b>88199740</b> | 9 in.                | 30.5L x 0.3W in. x 0.075 in. Thickness |

L=Pkg of 50

### Pan-Ty® Weather Resistant Cable Ties - Light-Heavy

#### Panduit

#### Features

- One Piece Construction
- Weather Resistant Nylon 6.6 has Greater Resistance to Ultraviolet Light which Damages Natural Nylon
- Lowest Threading Force of any One Piece Cable Tie in the Industry



| Mfg. No.  | Advanced ID     | Max. Bundle Diameter | Dimensions                             |
|-----------|-----------------|----------------------|--|
| PLT6LH-L0 | <b>94012089</b> | 6 in.                | 21.9H x 0.3W in. x 0.075 in. Thickness |
| PLT7LH-L0 | <b>88199726</b> | 7 in.                | 24.7H x 0.3W in. x 0.075 in. Thickness |
| PLT9LH-L0 | <b>88321768</b> | 9 in.                | 30.5H x 0.3W in. x 0.075 in. Thickness |

L0=Pkg of 50



### Pan-Ty® Cable Ties - Nylon 6.6 - Heavy

Panduit

Features

- Versatile Cable Ties that Can be Used in Countless Applications
- One Piece Construction for Consistent Performance and Reliability
- Lowest Threading Force of Any One Piece Cable Tie in the Industry



| Mfg. No. | Advanced ID     | Max. Bundle Diameter | Dimensions                              |
|----------|-----------------|----------------------|---|
| PLT2H-L  | <b>88199623</b> | 2 in.                | 8.1L x 0.3W in. x 0.075 in. Thickness   |
| PLT3H-L  | <b>88199663</b> | 3 in.                | 11.4L x 0.3W in. x 0.075 in. Thickness  |
| PLT4H-L  | <b>88199688</b> | 4 in.                | 14.5L x 0.3W in. x 0.075 in. Thickness  |
| PLT6H-L  | <b>88199723</b> | 6 in.                | 20.9L x 0.35W in. x 0.078 in. Thickness |
| PLT8H-L  | <b>88199734</b> | 9 in.                | 30.6L x 0.35W in. x 0.078 in. Thickness |

L=Pkg of 50

### Pan-Ty® Weather Resistant Cable Ties - Heavy

Panduit

Features

- Weather Resistant Nylon 6.6 Has Greater Resistance to Ultraviolet Light which Damages Natural Nylon
- For Outdoor Use
- Typically Used for Heavy Duty Applications



| Mfg. No.  | Advanced ID     | Max. Bundle Diameter | Dimensions                              |
|-----------|-----------------|----------------------|---|
| PLT2H-L0  | <b>88199624</b> | 2 in.                | 8.1L x 0.3W in. x 0.075 in. Thickness   |
| PLT3H-L0  | <b>88199664</b> | 3 in.                | 11.4L x 0.3W in. x 0.075 in. Thickness  |
| PLT4H-C0  | <b>90080369</b> | 4 in.                | 14.5L x 0.3W in. x 0.075 in. Thickness  |
| PLT4H-L0  | <b>88199689</b> | 4 in.                | 14.5L x 0.3W in. x 0.075 in. Thickness  |
| PLT4H-TL0 | <b>88321774</b> | 4 in.                | 14.5L x 0.3W in. x 0.075 in. Thickness  |
| PLT5H-L0  | <b>88199712</b> | 5 in.                | 17.7L x 0.35W in. x 0.078 in. Thickness |
| PLT6H-L0  | <b>88199724</b> | 6 in.                | 20.9L x 0.35W in. x 0.078 in. Thickness |
| PLT8H-L0  | <b>88199735</b> | 9 in.                | 30.6L x 0.35W in. x 0.078 in. Thickness |

L0=Pkg of 50  
C0=Pkg of 100  
TL0=Pkg of 250

### Pan-Ty® HALAR\* Cable Ties Distinctive Maroon Color

Panduit

Features

- UL Listed for use in Plenum or Air Handling Spaces per NEC
- Commonly Accepted Solutions for Bundling Qualified Cable without Conduit in Air Handling Space Applications
- Applications Include Nuclear Plants, Chemical Environments, Telecommunications Equipment, Aerospace, and High and Low Temperature Environments
- Low Smoke Density Rating and an Excellent Flammability Rating of UL94V-0



| Mfg. No.   | Advanced ID     | Max. Bundle Diameter | Dimensions                    |
|------------|-----------------|----------------------|-------------------------------|
| PLT2S-C702 | <b>88199651</b> | 1.88 in.             | 7.4L x 0.19W in. x 0.055 in.  |
| PLT2S-M702 | <b>88287249</b> | 1.88 in.             | 7.4L x 0.19W in. x 0.055 in.  |
| PLT3S-C702 | <b>92038611</b> | 3 in.                | 11.6L x 0.19W in. x 0.059 in. |
| PLT3S-M702 | <b>92038612</b> | 3 in.                | 11.5L x 0.19W in. x 0.059 in. |

\* HALAR® is the registered trademark of Solvay Solexis, Inc.

C=Pkg of 100

M=Pkg of 1000

### Pan-Ty® Lashing Ties - Nylon 6.6

Panduit

Features

- Lashing Ties are Typically Used on Heavy Duty Jobs Such as Securing Conduit or Large Cable Bundles to Permanent Structures Indoors or Out
- Can be Used with MCEH Mounting Clip
- Strongest Pan-Ty Cable Tie Available



| Mfg. No.  | Advanced ID     | Max. Bundle Diameter | Dimensions                             |
|-----------|-----------------|----------------------|--|
| PLT5EH-Q  | <b>90072542</b> | 5 in.                | 20.1 L x 0.5 W x 0.75 Thickness        |
| PLT6EH-Q  | <b>88199720</b> | 6 in.                | 22.2L x 0.5W in. x 0.075 in. Thickness |
| PLT10EH-C | <b>92083366</b> | 10 in.               | 34.2L x 0.5W in. x 0.085 in. Thickness |

Q=Pkg of 25  
C=Pkg of 100



### Ty-Rap® High Performance Intermediate Duty Cable Ties

Thomas & Betts



TY526M



TY526MX

#### Benefits

- Stainless Steel Locking Device for Superior Holding Power
- UL Listed
- Friction Grip and Turned up Tail for Easy Installation
- Oval, Low Profile Lead Reduces Snags and Looks Great
- Cable Ties, Made from Natural Nylon 6/6, are Excellent Performers
- Smooth Strap Design for Infinite Adjustability

| Mfg. No.                   | Advanced ID     | Max. Bundle Diameter | Dimensions          |
|----------------------------|-----------------|----------------------|---------------------|
| <b>Bulk Pack 1000 pcs.</b> |                 |                      |                     |
| TY242M                     | <b>89007715</b> | 2.0 in.              | 8.19L x 0.140W in.  |
| TY242MX                    | <b>90085836</b> | 2.0 in.              | 8.19L x 0.140W in.  |
| TY24M                      | <b>88314589</b> | 1.125 in.            | 5.50L x 0.140W in.  |
| TY24MX                     | <b>88314588</b> | 1.125 in.            | 5.50L x 0.140W in.  |
| TY26M                      | <b>88314585</b> | 3.0 in.              | 11.10L x 0.140W in. |
| TY26MX                     | <b>88314584</b> | 3.0 in.              | 11.10L x 0.140W in. |
| <b>Pack 100 pcs.</b>       |                 |                      |                     |
| TY5242M                    | <b>88266388</b> | 2.0 in.              | 8.19L x 0.140W in.  |
| TY5242MX                   | <b>88266389</b> | 2.0 in.              | 8.19L x 0.140W in.  |
| TY5244M                    | <b>88266390</b> | 4.0 in.              | 14.50L x 0.140W in. |
| TY5244MX                   | <b>88266391</b> | 4.0 in.              | 14.50L x 0.140W in. |
| TY524MX                    | <b>88266394</b> | 1.125 in.            | 5.50L x 0.140W in.  |
| TY526M                     | <b>88266401</b> | 3.0 in.              | 11.10L x 0.140W in. |
| TY526MX                    | <b>88266403</b> | 3.0 in.              | 11.10L x 0.140W in. |

"X" Suffix on Mfg. No. indicates outside use allowable.

### Ty-Rap® High Performance Light Heavy Duty Cable Ties

Thomas & Betts



TY527M



TY527MX

#### Benefits

- Cable Ties, Made From Natural Nylon 6/6, Are Excellent Performers in Most Applications
- Nylon 6/6 is Recommended for Use In Temperatures Ranging from 185 to -40°F
- The MX Series Cable Ties Are Recommended for Outdoor Use
- The Addition of Carbon Black Provides Good Ultraviolet Resistance and Prolongs the Useful Life of the Cable Tie

| Mfg. No.                  | Advanced ID     | Max. Bundle Diameter | Dimensions         |
|---------------------------|-----------------|----------------------|--------------------|
| <b>Bulk Pack 500 pcs.</b> |                 |                      |                    |
| TY27M                     | <b>88314576</b> | 3.5 in.              | 13.4L x 0.270W in. |
| TY27MX                    | <b>88314575</b> | 3.5 in.              | 13.4L x 0.270W in. |
| <b>Pack 50 pcs.</b>       |                 |                      |                    |
| TY5277M                   | <b>92052292</b> | 7.0 in.              | 24.3L x 0.270W in. |
| TY5277MX                  | <b>92052293</b> | 7.0 in.              | 24.3L x 0.270W in. |
| TY527M                    | <b>88266406</b> | 3.5 in.              | 13.4L x 0.270W in. |
| TY527MX                   | <b>88266409</b> | 3.5 in.              | 13.4L x 0.270W in. |
| TY529M                    | <b>88266413</b> | 9.0 in.              | 30.0L x 0.270W in. |
| TY529MX                   | <b>88266414</b> | 9.0 in.              | 30.0L x 0.270W in. |

"X" Suffix on Mfg. No. indicates outside use allowable.

### Ty-Rap® High Performance Standard Duty Standard Cable Ties

Thomas & Betts



TY528M



TY528MX

#### Benefits

- Stainless Steel Locking Device for Superior Holding Power
- UL Listed
- Friction Grip and Turned Uptail for Easy Installation
- Oval, Low Profile Lead Reduces Snags and Looks Great
- Cable Ties, Made from Natural Nylon 6/6, are Excellent Performers
- Smooth Strap Design for Infinite Adjustability

| Mfg. No.                   | Advanced ID     | Max. Bundle Diameter | Dimensions          |
|----------------------------|-----------------|----------------------|---------------------|
| <b>Bulk Pack 1000 pcs.</b> |                 |                      |                     |
| TY253M                     | <b>89007712</b> | 3.0 in.              | 11.40L x 0.184W in. |
| TY253MX                    | <b>93161644</b> | 3.0 in.              | 11.40L x 0.184W in. |
| TY25M                      | <b>88314587</b> | 1.75 in.             | 7.31L x 0.184W in.  |
| TY25M-2                    | <b>88314551</b> | 1.75 in.             | 7.31L x 0.184W in.  |
| TY25MX                     | <b>88314586</b> | 1.75 in.             | 7.31L x 0.184W in.  |
| TY28M                      | <b>88314583</b> | 4.0 in.              | 14.20L x 0.184W in. |
| TY28MX                     | <b>88314582</b> | 4.0 in.              | 14.20L x 0.184W in. |
| <b>Pack 100 pcs.</b>       |                 |                      |                     |
| TY5253M                    | <b>88266395</b> | 3.00 in.             | 11.40L x 0.184W in. |
| TY5253MX                   | <b>88266396</b> | 3.00 in.             | 11.40L x 0.184W in. |
| TY525MX                    | <b>88266399</b> | 1.75 in.             | 7.31L x 0.184W in.  |
| TY528M                     | <b>88266410</b> | 4.0 in.              | 14.20L x 0.184W in. |
| TY528MX                    | <b>88266412</b> | 4.0 in.              | 14.20L x 0.184W in. |

"X" Suffix on Mfg. No. indicates outside use allowable.

### Ty-Rap® High Performance Miniature Locking Standard Nylon 6/6 Cable Ties

Thomas & Betts

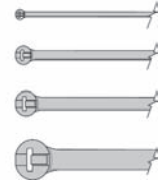


TY523MX

TY524MX

TY525MX

TY5272MX



#### Benefits

- Stainless Steel Locking Device for Superior Holding Power
- Cable Ties, Made From Natural Nylon 6/6, Are Excellent Performers In Most Applications
- Friction Grip and Turned Uptail for Easy Installation
- The MX Series Cable Ties Are Recommended for Outdoor Use
- Oval, Low-Profile Lead Reduces Snags and Looks Great
- UL Listed
- Smooth Strap Design for Infinite Adjustability

| Mfg. No.                   | Advanced ID     | Max. Bundle Diameter | Dimensions         |
|----------------------------|-----------------|----------------------|--------------------|
| <b>Bulk Pack 1000 pcs.</b> |                 |                      |                    |
| TY232M                     | <b>89007717</b> | 2.0 in.              | 8.0L x 0.091W in.  |
| TY23M                      | <b>88314592</b> | 0.625 in.            | 3.62L x 0.091W in. |
| TY23MX                     | <b>88314591</b> | 0.625 in.            | 3.62L x 0.091W in. |
| <b>Pack 100 pcs.</b>       |                 |                      |                    |
| TY52315M                   | <b>88266379</b> | 1.50 in.             | 7.0L x 0.091W in.  |
| TY5232M                    | <b>88266381</b> | 2.00 in.             | 8.0L x 0.091W in.  |
| TY5232MX                   | <b>88266382</b> | 2.00 in.             | 8.0L x 0.091W in.  |
| TY5234M                    | <b>88266383</b> | 4.00 in.             | 14.0L x 0.091W in. |
| TY5234MX                   | <b>88266384</b> | 4.00 in.             | 14.0L x 0.091W in. |
| TY523M                     | <b>88266385</b> | 0.625 in.            | 3.62L x 0.091W in. |
| TY523MX                    | <b>88266387</b> | 0.625 in.            | 3.62L x 0.091W in. |

"X" Suffix on Mfg. No. indicates outside use allowable.

### Enhanced Pan-Steel® Self-Locking Stainless Steel Cable Ties

Panduit

#### Features

- Low Threading Force Speeds Installation Time and Increases Efficiency for Lower Installed Cost
- Stainless Steel Non-Flammable Construction
- Type 316 Stainless Steel Available for Highly Corrosive Environments
- UL Listed for Air Handling Spaces (UL2043)
- Stainless Steel Cable Ties Can be Used in Virtually all Indoor, Outdoor and Underground (Including Direct Burial) Applications. They are Especially Well Suited for Network Bundling of Data and Power Cables



| Mfg. No. | Advanced ID     | Dimensions                   | Maximum Bundle Diameter | Minimum Tensile Strength |
|----------|-----------------|------------------------------|-------------------------|--------------------------|
| MLT2H-LP | <b>88198292</b> | 7.9L x 0.31W in. x 0.01 in.  | 2 in.                   | 450 lb                   |
| MLT2S-CP | <b>88198294</b> | 7.9L x 0.18W in. x 0.01 in.  | 2 in.                   | 450 lb                   |
| MLT4H-LP | <b>88198296</b> | 14.3L x 0.31W in. x 0.01 in. | 4 in.                   | 450 lb                   |
| MLT4S-CP | <b>88198298</b> | 14.3L x 0.18W in. x 0.01 in. | 4 in.                   | 450 lb                   |

LP = 50 pk  
CP = 100 pk

### HLT and HLTP Loop Ties

Panduit

#### Features

- Loop Ties - Slot Allows for Pre-Wrapping of Bundles
- Adjustable, Releasable and Reusable Hundreds of Times
- No Risk of Over-Tensioning and Damaging High Performance Cabling
- No Waste Since Excess can be Wrapped Around Bundle
- A Variety of Colors are Available
- Operating Temperature Range: 0 to 220°F. HLTP in Black and Maroon are UL Listed for Use in Air Handling Spaces and are UL94V-2 Flame Rated
- Note: Minimum 2 in. Overlap Required to Achieve Loop Tensile Rating
- Loop and Strip Ties Hook on One Side and Loop on the Other, So it Adheres to Itself: Wrap Around Bundle and Secure End of Tie on the Body



| Mfg. No. | Advanced ID     | Max. Bundle Diameter | Min.Tensile Strength | Dimensions               |
|----------|-----------------|----------------------|----------------------|--------------------------|
| HLT2I-X0 | <b>95012003</b> | 1.91 in.             | 40 lbs.              | 8L x 0.5W in. x 0.1 in.  |
| HLT2I-X4 | <b>95044444</b> | 1.91 in.             | 40 lbs.              | 8L x 0.5W in. x 0.1 in.  |
| HLT2I-X6 | <b>95032734</b> | 1.91 in.             | 40 lbs.              | 8L x 0.5W in. x 0.1 in.  |
| HLT3I-X0 | <b>95012013</b> | 3.18 in.             | 40 lbs.              | 12L x 0.5W in. x 0.1 in. |

Suffix for Colors:

Black (0), Red (2), Orange (3), Yellow (4), Green (5), Blue (6), Violet (7), Gray (8), White (10), Tan (18)

Standard Pack of 10

### Tak-Ty® Hook & Loop Cable Ties - Plenum-Rated

Panduit

#### Features

- UL Listed for Use in Plenum or Air-Handling Spaces per NEC
- Highest Tensile Strength in the Industry
- Adjustable, Releasable and Reusable Hundreds of Times
- Operating Temperature Range: 0 to 122°F, Flammability Rating: UL94V-2
- Note: Minimum 2 in. Overlap Required to Achieve Loop Tensile Rating



| Mfg. No.     | Advanced ID     | Max. Bundle Diameter | Min.Tensile Strength | Dimensions            |
|--------------|-----------------|----------------------|----------------------|-----------------------|
| HLSP1.5S-X12 | <b>25060195</b> | 1.50                 | 50 lb                | 6L x 0.75W x 0.1 in.  |
| HLSP3S-X12   | <b>25060190</b> | 3.20                 | 50 lb                | 12L x 0.75W x 0.1 in. |
| HLSP5S-X12   | <b>25060185</b> | 5.00                 | 50 lb                | 18L x 0.75W x 0.1 in. |
| HLTP2I-X12   | <b>22126905</b> | 1.91                 | 40 lb                | 8L x 0.5W x 0.1 in.   |
| HLTP3I-X12   | <b>22067057</b> | 3.18                 | 40 lb                | 12L x 0.5W x 0.1 in.  |

Standard Pack of 10

### Pan-Ty® Clamp Ties-Nylon 6.6

Panduit

#### Features

- Used to Secure a Wire Bundle to Another Surface Such as a Control Panel, Wall or Ceiling
- The Design Allows for Bundling Before or After Screwing Clamp in Place
- Curved Tip that is Easy to Pick up From Flat Surfaces, and Allows Faster Initial Threading to Speed Installation



| Mfg. No.     | Advanced ID     | Length   | Max. Bundle Diameter | Min.Tensile Strength |
|--------------|-----------------|----------|----------------------|----------------------|
| PLC1.5I-S8-C | <b>88199486</b> | 6.1 in.  | 1.25 in.             | 40 lb                |
| PLC2S-S10-C  | <b>88199492</b> | 7.9 in.  | 1.84 in.             | 50 lb                |
| PLC2S-S10-M  | <b>88199494</b> | 7.9 in.  | 1.84 in.             | 50 lb                |
| PLC2S-S6-C   | <b>88199497</b> | 7.9 in.  | 1.84 in.             | 50 lb                |
| PLC3S-S10-C  | <b>91007474</b> | 12.0 in. | 3 in.                | 50 lb                |

C=Pkg of 100

M=Pkg of 1000

### Ty-Rap® High Performance Standard Duty Mounting Head Cable Ties

Thomas & Betts



TY535M



TY535MX

#### Benefits

- Great for Use with Screws, Nuts and Bolts for Secure Fastening of Bundles to Surfaces

| Mfg. No. | Advanced ID     | Length   | Max. Bundle Diameter | Min.Tensile Strength |
|----------|-----------------|----------|----------------------|----------------------|
| TY535M   | <b>88266422</b> | 7.8 in.  | 1.75 in.             | 50 lb                |
| TY535MX  | <b>88266424</b> | 7.8 in.  | 1.75 in.             | 50 lb                |
| TY5354M  | <b>88266420</b> | 14.6 in. | 4.00 in.             | 50 lb                |

Standard Pack of 100

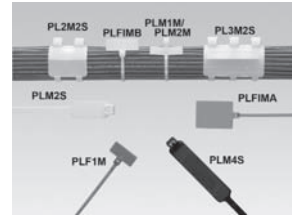
"X" Suffix on Mfg. No. indicates outside use allowable.

### Pan-Ty® Marker & Flag Ties-Nylon 6.6

Panduit

Features

- Used to Fasten and Identify Bundles at the Same Time
- They can be Marked with Panduit Marker Pens or Computer Printable Labels
- Custom Imprinting with Text, Symbols or Trademarks Available using Panduit Custom Hot Stamping Service



| Mfg. No. | Advanced ID     | Min. Tensile Strength | Max. Bundle Diameter | Material  | Head Dimensions     | Dimensions                              | Color   | Write-On Area (in.) |
|----------|-----------------|-----------------------|----------------------|-----------|---------------------|---|---------|---------------------|
| PLF1MA-C | <b>88199507</b> | 18 lb                 | 0.87 in.             | Nylon 6.6 | 0.18W x 0.154H in.  | 5.1L x 0.098W in. x 0.045 in. Thickness | Natural | .76 x 1.04          |
| PLF1MB-C | <b>96043147</b> | 18 lb                 | 0.75 in.             | Nylon 6.6 | 0.18W x 0.154H in.  | 3.9L x 0.098W in. x 0.045 in. Thickness | Natural | .31 x .92           |
| PLF1M-C  | <b>88199504</b> | 18 lb                 | 0.87 in.             | Nylon 6.6 | 0.18W x 0.154H in.  | 4.3L x 0.098W in. x 0.045 in. Thickness | Natural | .31 x .75           |
| PLM1M-C  | <b>88199510</b> | 18 lb                 | 0.75 in.             | Nylon 6.6 | 0.18W x 0.154H in.  | 3.9L x 0.098W in. x 0.035 in. Thickness | Natural | .26 x .95           |
| PLM2M-C  | <b>88199514</b> | 18 lb                 | 2.0 in.              | Nylon 6.6 | 0.18W x 0.154H in.  | 8L x 0.098W in. x 0.035 in. Thickness   | Natural | .26 x .95           |
| PLM2S-C  | <b>88199517</b> | 50 lb                 | 1.75 in.             | Nylon 6.6 | 0.320W x 0.220H in. | 7.4L x 0.185W in. x 0.52 in. Thickness  | Natural | .44 x .87           |

Third letter represents marker type. F = Flag, M = Marker

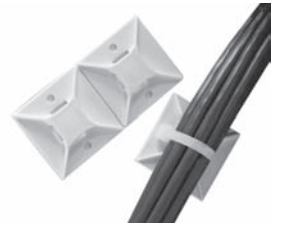
Standard Pack of 100

### 4-Way Adhesive Backed Mounts

Panduit

Features

- Superior Adhesive for Long Term Reliability
- 2-Up Mount Configuration Speeds Liner Removal and Installation
- 4-Way Cable Tie Entry Makes Part Orientation Fast and Easy
- Adhesive Backing Allows Routing of Wires and Cables Where Mounting Holes Cannot be Drilled
- Used with Panduit Cable Ties for a Complete Wire Routing Solution



| Mfg. No.     | Advanced ID     | Mounting Means              | Material                    | For Use With              | Type               | Dimensions                |
|--------------|-----------------|-----------------------------|-----------------------------|---------------------------|--------------------|---------------------------|
| ABM100-A-C   | <b>94009169</b> | Adhesive Backed or #6 Screw | Nylon 6.6                   | M, I, S                   | Indoors            | 1L x 1W x 0.2H in.        |
| ABM100-AT-CO | <b>98307557</b> | Adhesive Backed or #6 Screw | Weather Resistant Nylon 6.6 | M, I, S                   | Outdoors/High Temp | 1L x 1W x 0.2H in.        |
| ABM112-A-C   | <b>99451390</b> | Adhesive Backed or #6 Screw | Nylon 6.6                   | M, I, S                   | Indoors            | 1.12L x 1.12W x 0.16H in. |
| ABM112-AT-CO | <b>99491667</b> | Adhesive Backed or #6 Screw | Weather Resistant Nylon 6.6 | M, I, S                   | Outdoors           | 1.12L x 1.12W x 0.16H in. |
| ABM1M-A-C    | <b>88197080</b> | Adhesive Backed             | Nylon 6.6                   | M                         | Indoors            | 0.5L x 0.5W x 0.16H in.   |
| ABM2S-A-C    | <b>88197083</b> | Adhesive Backed or #6 Screw | ABS                         | M, I, S                   | Indoors            | 1L x 1W x 0.2H in.        |
| ABM2S-AT-C   | <b>88287666</b> | Adhesive Backed or #6 Screw | ABS                         | M, I, S                   | Indoors/High Temp  | 1L x 1W x 0.2H in.        |
| ABM2S-AT-CO  | <b>88197089</b> | Adhesive Backed or #6 Screw | Weather Resistant ABS       | M, I, S                   | Outdoors           | 1L x 1W x 0.2H in.        |
| ABM3H-A-L    | <b>90042847</b> | Adhesive Backed or #6 Screw | Nylon 6.6                   | M, I, S, HS, LH, H, & HLM | Indoors            | 1.5L x 1.5W x 0.24H in.   |
| ABM4H-A-L    | <b>88197090</b> | Adhesive Backed or #6 Screw | Nylon 6.6                   | M, I, S, HS, LH, H, & HLM | Indoors            | 2L x 2W x 0.24H in.       |
| ABMM-A-C     | <b>88197093</b> | Adhesive Backed             | ABS                         | M, I                      | Indoors            | 0.75L x 0.75W x 0.18H in. |

Cable Ties Cross Section Sizes: M = Miniature, I = Intermediate, S = Standard, LH = Light Heavy, HS = Heavy Standard, H = Heavy, HLM = Miniature Tak-Ty® Hook & Loop Cable Ties

L=Pkg of 50

C=Pkg of 100

### Adhesive Backed Cord Clips

Panduit

Features

- Three Sizes of Clips to Hold Cords, Cable or Wire Bundles up to .62 in. (15.7m) Diameter
- Bundles are Easily Snapped into or Out of the Clips
- Use Indoors
- Color: Natural
- Material: Nylon 6.6



| Mfg. No.  | Advanced ID     | Mounting Means  | Material  | For Use With | Type    | Dimensions                |
|-----------|-----------------|-----------------|-----------|--------------|---------|---------------------------|
| ACC19-A-C | <b>88197098</b> | Adhesive Backed | Nylon 6.6 | -            | Indoors | 0.63L x 0.76W x 0.25H in. |
| ACC38-A-C | <b>88197100</b> | Adhesive Backed | Nylon 6.6 | -            | Indoors | 1L x 1W x 0.4H in.        |
| ACC62-A-C | <b>88197102</b> | Adhesive Backed | Nylon 6.6 | -            | Indoors | 1.25L x 1.12W x 0.63H in. |

C=Pkg of 100

## Extra-Heavy Tie Mounts

Panduit

Features

- Install with a Screw or Rivet for a Strong, Secure Installation
- Unique Cradle Design Holds Wires, Cables, and Tubing Stable in an Application
- Used with Panduit Cable Ties for a Complete Wire Routing Solution



| Mfg. No.    | Advanced ID     | Mounting Means | Material                    | For Use With | Type     | Dimensions                |
|-------------|-----------------|----------------|-----------------------------|--------------|----------|---------------------------|
| TMEH-S10-Q0 | <b>88201197</b> | #10 Screw      | Weather Resistant Nylon 6.6 | EH, Tak-Ty   | Outdoors | 1.65L x 0.72W x 0.61H in. |
| TMEH-S25-Q0 | <b>88201199</b> | 1/4 Screw      | Weather Resistant Nylon 6.6 | EH, Tak-Ty   | Outdoors | 1.65L x 0.72W x 0.61H in. |
| TMEH-S8-Q0  | <b>88201201</b> | #8 Screw       | Weather Resistant Nylon 6.6 | EH, Tak-Ty   | Outdoors | 1.65L x 0.72W x 0.61H in. |

EH=Extra Heavy

Standard Pack 25 pieces

## Fixed Diameter Cable Clamps

Panduit

Features

- Durable Nylon Cable Clamps
- Available in Two Widths: 3/8 in. for Standard Use and 1/2 in. for Heavy Duty Use
- Color: Natural



| Mfg. No.    | Advanced ID     | Mounting Means | Material  | For Use With | Type    | Dimensions         |
|-------------|-----------------|----------------|-----------|--------------|---------|--------------------|
| CCH25-S10-C | <b>90004111</b> | #10 Screw      | Nylon 6.6 | Heavy-Duty   | Indoors | .54L x .37W x .25H |
| CCH38-S10-C | <b>90004112</b> | #10 Screw      | Nylon 6.6 | Heavy-Duty   | Indoors | .78L x .37W x .38H |
| CCH50-S10-C | <b>90004113</b> | #10 Screw      | Nylon 6.6 | Heavy-Duty   | Indoors | .85L x .37W x .50H |
| CCS25-S8-C  | <b>88197281</b> | #8 Screw       | Nylon 6.6 | Standard     | Indoors | .54L x .37W x .25H |
| CCS38-S8-C  | <b>88197284</b> | #8 Screw       | Nylon 6.6 | Standard     | Indoors | .78L x .37W x .38H |

Standard Pack 100 pieces

## Tak-Ty® Hook & Loop Cable Tie Mounts

Panduit

Features

- Used with Panduit Cable Ties for a Complete Wire Routing Solution
- Adhesive Backing Allows Routing of Wires and Cables Where Mounting Holes Cannot be Drilled
- Tear Tab Provides Fast and Easy Liner Removal to Speed Installation



| Mfg. No.    | Advanced ID     | Mounting Means              | Material  | For Use With | Type    | Dimensions                |
|-------------|-----------------|-----------------------------|-----------|--------------|---------|---------------------------|
| ABMT-A-Q*   | <b>22054655</b> | Rubber Adhesive or #6 Screw | Nylon 6.6 | Tak-Ty       | Indoors | 1.12L x 1.10W x 0.34H in. |
| ABMT-A-Q20† | <b>22054656</b> | Rubber Adhesive or #6 Screw | Nylon 6.6 | Tak-Ty       | Indoors | 1.12L x 1.10W x 0.34H in. |

\*Color is Natural

†Color is Black

Standard Pack 100 pieces

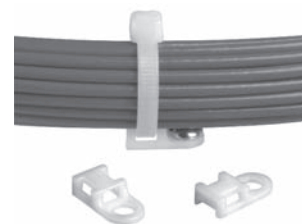


### Tie Anchor Mounts - Screw Applied

Panduit

Features

- 4-Way Cable Tie Entry Makes Part Orientation Fast and Easy
- Install with a Screw or Rivet for a Strong, Secure Install
- Used with Panduit Cable Ties for a Complete Wire Routing Solution



| Mfg. No. | Advanced ID              | Mounting Means | Material  | For Use With | Type    | Dimensions               |
|----------|--------------------------|----------------|-----------|--------------|---------|--------------------------|
| TA1S10-C | <a href="#">88201149</a> | #10 Screw      | Nylon 6.6 | M, I, S      | Indoors | 0.38L x 0.75W x 0.2H in. |
| TA1S8-C  | <a href="#">88201151</a> | #8 Screw       | Nylon 6.6 | M, I, S      | Indoors | 0.38L x 0.75W x 0.2H in. |

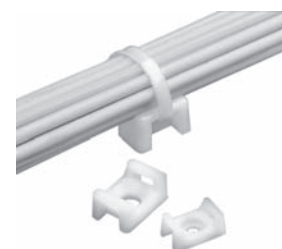
Cable Ties Cross Section Sizes: M = Miniature, I = Intermediate, S = Standard  
Standard Pack 100 pieces

### Tie Mounts- Mechanically Applied

Panduit

Features

- Install with a Screw or Rivet for a Strong, Secure Installation
- Available in Multiple Sizes for a Variety of Applications
- Unique Cradle Design Provides Maximum Stability for Cable Bundle
- Used with Panduit Cable Ties for a Complete Wire Routing Solution



| Mfg. No. | Advanced ID              | Mounting Means | Material  | For Use With | Type    | Dimensions                |
|----------|--------------------------|----------------|-----------|--------------|---------|---------------------------|
| TM2S6-C  | <a href="#">88201181</a> | #6 Screw       | Nylon 6.6 | M, I, S      | Indoors | 0.63L x 0.43W x 0.28H in. |
| TM2S8-C  | <a href="#">88201183</a> | #8 Screw       | Nylon 6.6 | M, I, S      | Indoors | 0.63L x 0.43W x 0.28H in. |
| TM2S8-M  | <a href="#">88201184</a> | #8 Screw       | Nylon 6.6 | M, I, S      | Indoors | 0.63L x 0.43W x 0.28H in. |
| TM3S10-C | <a href="#">88201189</a> | #10 Screw      | Nylon 6.6 | M, I, S, LH  | Indoors | 0.63L x 0.43W x 0.38H in. |
| TM3S25-C | <a href="#">88201191</a> | 1/4 Screw      | Nylon 6.6 | M, I, S, LH  | Indoors | 0.63L x 0.43W x 0.38H in. |
| TM3S8-C  | <a href="#">88201193</a> | #8 Screw       | Nylon 6.6 | M, I, S, LH  | Indoors | 0.63L x 0.43W x 0.38H in. |

C=Pkg of 100

M=Pkg of 1000

Cable Ties Cross Section Sizes: M = Miniature, I = Intermediate, S = Standard, LH = Light-Heavy

### Ty-Rap® High Performance Cable Tie Mounting Bases

Thomas & Betts



Tie Plate



2-Way Mount

Benefits

- Easy to Use with Standard Ty-Rap Cable Ties
- Adhesive Backed with Pressure Sensitive Adhesive Tape (Where Applicable)

| Mfg. No.                   | Advanced ID              | Mounting Means            | Material  | For Use With             | Type            | Dimensions          |
|----------------------------|--------------------------|---------------------------|-----------|--------------------------|-----------------|---------------------|
| <b>Bulk Pack 1000 pcs.</b> |                          |                           |           |                          |                 |                     |
| TC345A                     | <a href="#">88314564</a> | Adhesive or (2) #8 Screws | Nylon 6/6 | Max. Tie Width 0.190 in. | 2-Way Mount     | 1.125W x 1.125L in. |
| <b>Unit Qty 100 pcs.</b>   |                          |                           |           |                          |                 |                     |
| TC502                      | <a href="#">88266280</a> | (1) #8 Screw              | Nylon 6/6 | Max. Tie Width 0.190 in. | Mini Tie Plate  | 0.500W x 0.750L in. |
| TC5342A                    | <a href="#">88266296</a> | Adhesive                  | Nylon 6/6 | Max. Tie Width 0.190 in. | Tie Plate       | 1.125W x 1.125L in. |
| TC5344A                    | <a href="#">88266298</a> | Adhesive                  | Nylon 6/6 | Max. Tie Width 0.140 in. | 2-Way Mini Base | 0.750W x 0.750L in. |
| TC5345A                    | <a href="#">88266299</a> | Adhesive or (2) #8 Screws | Nylon 6/6 | Max. Tie Width 0.190 in. | 2-Way Mount     | 1.125W x 1.125L in. |



### Cable Tie Tools - Installer Controlled Tension and Cut-Off

Panduit

#### Features

- Economical Series of Tools for Maintenance or Construction Applications
- Operator-Controlled Tension and Cut-Off
- Excellent Tool for Low Volume Applications
- Use with the Full Line of Panduit Cable Ties



| Mfg. No. | Advanced ID     | For Use With  |
|----------|-----------------|---|
| STH2     | <b>92122267</b> | Used with Cable Tie Cross Sections: Standard, Heavy-Standard, Light Heavy and Heavy |
| STS2     | <b>92048497</b> | Used with Cable Tie Cross Sections: Miniature, Intermediate and Standard            |

### Cable Tie Tools - Controlled Tension and Cut-Off

Panduit

#### Features

- Requires No Special Maintenance
- Lightweight and Balanced
- Easy to Change Tension Adjustment and Easy to Operate
- A Combination of Design, Operation, and Construction Features Provides a Long Service Life
- Engineered to Promote Worker Safety, Reduce Downtime, Increase Productivity, and Provide the Lowest Total Installed Cost
- Replacement Blades Available
- Installs Panduit Cable Ties up to 1/2 in. (12.7mm) Wide



| Mfg. No. | Advanced ID     | For Use With  |
|----------|-----------------|---|
| GS4H     | <b>88197909</b> | Miniature, Intermediate and Standard Standard, Heavy-Standard, Light Heavy or Heavy Cross Section |
| GTH      | <b>22068839</b> | Standard, Heavy-Standard, Light Heavy or Heavy Cross Section                                      |
| GTS      | <b>99526284</b> | Subminiature, Miniature, Intermediate and Standard  |

GT series has a plastic molded housing.  
GS series has a durable powder coated finish.

### GS4MT Installation Tool

Panduit

#### GS4MT Accessories

- CAMT:Cut-Off Accessory
- K4M-BLD:Blade Replacement Kit
- K4MTG:Gripper Replacement Kit



| Mfg. No. | Advanced ID     | For Use With   |
|----------|-----------------|--|
| GS4MT    | <b>88197910</b> | Used with standard, light-heavy and heavy cross section Pan-Steel Type MLT ties, Type MLTC, MLTFC Coated ties, Type MLTDH Double Wrapped ties and Wave-Ty Stainless Steel Ties |

### Ty-Rap® Ergonomic Cable Tie Installation Tool

Thomas & Betts

#### Benefits

- Break-Through Ergonomic Design Dramatically Relieves Stress and Strain
- Light Weight and Adjustable Handle Span Helps Reduce Fatigue and Properly Fits Installers Hand
- Quick Tension Adjustment Mechanism Ensures Proper Bundle Tightness
- Locked-Tension Mechanism Reduces Recoil Vibrations
- The Ty-Gun® Nose Rotates 360° for the Most Comfortable Operating Position
- Flush Cable Tie Tail Cut-Off



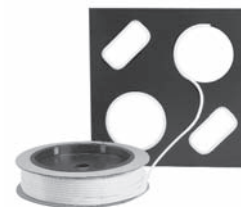
| Mfg. No. | Advanced ID     | For Use With                     |
|----------|-----------------|----------------------------------|
| ERG299   | <b>97099460</b> | 0.094-0.184 in. Width Cable Ties |

### Adhesive Lined Grommet Edging - Slotted Wall

Panduit

#### Features

- General Purpose Material for Indoor Use Up to 122°F (50°C)
- Provided in .030 in. (0.8mm) Thick Material Making it Highly Flexible
- Use on Irregularly Shaped and Round Panel Holes
- Adhesive Ensures Product Stays in Place
- Black Weather Resistant Polyethylene



| Mfg. No.     | Advanced ID     | Dimensions                          |
|--------------|-----------------|-------------------------------------|
| GEE144F-A-C0 | <b>97107774</b> | 0.22 in. H x 0.21 in. W x 100 ft. L |
| GEE62F-A-C0  | <b>99480262</b> | 0.16 in. H x 0.13 in. W x 100 ft. L |
| GEE99F-A-C0  | <b>22081491</b> | 0.19 in. H x 0.17 in. W x 100 ft. L |

### Braided Expandable Sleeving - Polyethylene Terephthalate

Panduit

Features

- Provides Continuous Abrasion Resistance for Wires, Cables and Tubing
- Lightweight Durable Protection
- Highly Flexible Open Weave will Not Trap Heat or Humidity
- Rated for Use Up to 257°F (125°C)
- Allows for Use with Irregular Shapes
- Black Polyethylene Terephthalate Material



| Mfg. No.   | Advanced ID              | Length  | Inside Diameter | Maximum Bundle Diameter |
|------------|--------------------------|---------|-----------------|-------------------------|
| SE125P-LR0 | <a href="#">99525624</a> | 50 ft.  | 1.250 in.       | 1.500 in.               |
| SE50P-CR0  | <a href="#">93154420</a> | 100 ft. | 0.500 in.       | 0.750 in.               |
| SE75P-CR0  | <a href="#">99432280</a> | 100 ft. | 0.750 in.       | 1.250 in.               |

### Spiral Wrap - Polyethylene

Panduit

Features

- Available in Seven Different Materials and Twelve Different Colors
- Colors Conform to Communications Wiring Standards
- Flexible, Neat, Fast
- Allows Breakouts of Single/Multiple Wires and Rerouting of Replacement Wires
- Harness Multiple Cables into a Single Manageable Bundle
- Abrasive Protection for Wires, Cables, Hoses and Tubing
- Color Code Wire Bundles
- Reusable
- Tool Supplied in Each Package
- 100 ft. Length



| Mfg. No. | Advanced ID              | Color   | Diameter | Outside Bundle Range |
|----------|--------------------------|---------|----------|----------------------|
| T100F-C  | <a href="#">92038572</a> | Natural | 1 in.    | 7/8 to 6 in.         |
| T100F-C0 | <a href="#">92038573</a> | Black   | 1 in.    | 7/8 to 6 in.         |
| T25F-C   | <a href="#">89088458</a> | Natural | 0.25 in. | 3/16 to 2 in.        |
| T25F-C0  | <a href="#">89088459</a> | Black   | 0.25 in. | 3/16 to 2 in.        |
| T38F-C   | <a href="#">89088439</a> | Natural | 0.38 in. | 5/16 to 3 in.        |
| T50F-C   | <a href="#">89088464</a> | Natural | 0.5 in.  | 3/8 to 4 in.         |
| T50F-C0  | <a href="#">89088441</a> | Black   | 0.5 in.  | 3/8 to 4 in.         |
| T50R-C   | <a href="#">89088433</a> | Natural | 0.5 in.  | 3/8 to 4 in.         |
| T75F-C   | <a href="#">92037408</a> | Natural | 0.75 in. | 5/8 to 5 in.         |
| T75F-C0  | <a href="#">91006454</a> | Black   | 0.75 in. | 5/8 to 5 in.         |

C0=Weather Resistant

### Pan-Wrap™ Split Harness Wrap

Panduit

#### Features

- Slot Pattern Provides Improved Flexibility and Abrasion Protection in Any Application
- Large Overlap Accommodates a Wide Range of Bundle Diameters
- Unique Wall Design Provides for Easy Wire or Cable Breakouts
- Innovative Design Maintains Uniform Bundle Protection in Dynamic Applications
- Packaged on a Reel for Easy Handling and Dispensing of the Product
- Polyethylene Material



| Mfg. No.  | Advanced ID              | Description      | Color   | Length  | Outside Diameter |
|-----------|--------------------------|------------------|---------|---------|------------------|
| PW50F-T   | <a href="#">22065863</a> | 1/2 in. Pan-Wrap | Natural | 200 ft. | 0.55             |
| PW50F-T20 | <a href="#">22065864</a> | 1/2 in. Pan-Wrap | Black   | 200 ft. | 0.55             |
| PW75F-C   | <a href="#">22065865</a> | 3/4 in. Pan-Wrap | Natural | 100 ft. | 0.80             |
| PW75F-C20 | <a href="#">22065866</a> | 3/4 in. Pan-Wrap | Black   | 100 ft. | 0.80             |

### Pan-Wrap™ Installation Tools

Panduit

Patent pending installation tool with 180° opening allows easy loading of maximum bundle diameters to speed installation.



| Mfg. No. | Advanced ID              | Description           | For Use With                      |
|----------|--------------------------|-----------------------|-----------------------------------|
| PWT50    | <a href="#">22069011</a> | 1/2 in. Pan-Wrap Tool | PW50F Pan-Wrap Split Harness Wrap |
| PWT75    | <a href="#">22069012</a> | 3/4 in. Pan-Wrap Tool | PW75F Pan-Wrap Split Harness Wrap |

### Scotch® and Temflex™ Insulating and Splicing Tapes

3M



Scotch® 130C



3M™ 2242

**Scotch Electrical Semi-Conducting 13** soft, black rubber tape is a highly conformable, semi-conducting EPR (Ethylene Propylene Rubber) based high-voltage splicing tape. It is non-vulcanizing and shelf stable, with stable conductivity over a wide temperature range. Its conductivity is not affected, except by low-viscosity oils. The conductivity of cable semi-conducting jackets is not affected by 13 Tape.

**Scotch All-Voltage Splicing Tape 23** is a highly conformable, self-fusing EPR based, high-voltage splicing tape. It is a non-vulcanizing, shelf-stable tape with excellent electrical properties. Scotch 23 Tape can be used as an insulation for low-voltage applications as well as an insulation for splices up to 69,000 volts.

**Scotch Electrical Grounding Braid 25** is an all-metal woven grounding braid in a flat, cable-like form. It is conformable due to its woven construction of 240 strands of #30 AWG tinned copper wires.

**Scotch Linerless Rubber Splicing Tape 130C** is a highly conformable, linerless, EPR, high-voltage insulating tape formulated to provide excellent thermal dissipation of splice heat. The tape is designed for use in splicing and terminating wires and cables. Rated up to 194°F continuous operating temperatures and short-term 266°F overload service. The tape has excellent physical and electrical properties, which provide immediate moisture seals and void-free build-ups. This product can be used for low and high-voltage (through 69 kV) applications.

**Temflex Rubber Splicing Tape 2155** is a conformable self-fusing rubber electrical insulating tape. It is designed for low-voltage electrical insulating and moisture sealing applications. Temflex™ 2155 is UL Listed for use up to 600V.

**Scotch Linerless Electrical Rubber Tape 2242** is an economical, general purpose rubber tape. The tape is a highly conformable, linerless EPR based electrical insulating tape. It is designed for use in splicing and terminating wires and cables rated up to 90°C. The tape will meet industry specifications for flame retardance and has the necessary physical and electrical properties to provide immediate moisture seals and void-free buildup.

**Scotch Varnished Cambric Tapes 2510 and 2520** are made from straight-cut woven cotton cambric fabric. The fabric is oil primed and coated with a high-grade yellow electrical insulating varnish. Varnished cambric tapes are flexible, electrically insulating and moisture resistant with a smooth finish.

**Scotch Brand Silicone Rubber Electrical Tape 70** is a high-temperature arc- and track-resistant tape composed of self-fusing, inorganic silicone rubber and easy-tear and easy-strip liner.

| Mfg. No.   | Advanced ID     | Dimensions      |
|--|-----------------|-----------------|
| <b>Scotch Electrical Semi-Conducting Tape 13</b>             |                 |                 |
| 13-3;4X15FT  | <b>88175834</b> | ¾ in. x 15 ft.  |
| <b>Scotch All-Voltage Splicing Tape 23</b>                   |                 |                 |
| 23-3;4X30FT  | <b>88175883</b> | ¾ in. x 30 ft.  |
| 23-1X30FT  | <b>88175881</b> | 1 in. x 30 ft.  |
| 23-1-1/2X30FT  | <b>88175880</b> | 1½ in. x 30 ft. |
| 23-2X30FT  | <b>88175882</b> | 2 in. x 30 ft.  |
| <b>Scotch Electrical Grounding Braid 25</b>                  |                 |                 |
| 25-1/2X15FT  | <b>88175886</b> | ½ in. x 15 ft.  |
| <b>Scotch Linerless Rubber Splicing Tape 130C</b>            |                 |                 |
| 130C-3/4X30FT  | <b>88175838</b> | ¾ in. x 30 ft.  |
| 130C-1X30FT  | <b>88175836</b> | 1 in. x 30 ft.  |
| 130C-1-1/2X30FT  | <b>88175835</b> | 1½ in. x 30 ft. |
| 130C-2X30FT  | <b>88175837</b> | 2 in. x 30 ft.  |
| <b>Temflex Rubber Splicing Tape 2155</b>                     |                 |                 |
| 2155-3/4X22FT  | <b>99485174</b> | ¾ in. x 22 ft.  |
| 2155-1-1/2X22FT  | <b>99503365</b> | 1½ in. x 22 ft. |
| <b>Scotch Linerless Rubber Insulating Tape 2242</b>          |                 |                 |
| 2242-3/4X15FT  | <b>88175878</b> | ¾ in. x 15 ft.  |
| 2242-1-1/2X15FT  | <b>88175877</b> | 1½ in. x 15 ft. |
| <b>Scotch Varnished Cambric Tapes - No Adhesive 2510</b>     |                 |                 |
| 2510-3/4X60FT  | <b>88175891</b> | ¾ in. x 60 ft.  |
| 2510-3/4X36YD  | <b>88175890</b> | ¾ in. x 36 yd.  |
| 2510-1X36YD  | <b>88175888</b> | 1 in. x 36 yd.  |
| 2510-1-1/2X36YD  | <b>88175887</b> | 1½ in. x 36 yd. |
| 2510-2X36YD  | <b>88175889</b> | 2 in. x 36 yd.  |
| 2510-36X25YD   | <b>88315320</b> | 36 in. x 25 yd. |
| <b>Scotch Varnished Cambric Tapes - With Adhesive 2520</b>   |                 |                 |
| 2520-3/4X60FT  | <b>88175896</b> | ¾ in. x 60 ft.  |
| 2520-3/4X36YD  | <b>88175895</b> | ¾ in. x 36 yd.  |
| 2520-1X36YD  | <b>88175893</b> | 1 in. x 36 yd.  |
| 2520-1-1/2X36YD  | <b>88175892</b> | 1½ in. x 36 yd. |
| 2520-2X36YD  | <b>88175894</b> | 2 in. x 36 yd.  |
| <b>Scotch Self-Fusing Silicone Rubber Electrical Tape 70</b> |                 |                 |
| 70-1X30FT  | <b>88176158</b> | 1 in. x 30 ft.  |

### Scotchfil™ Electrical Insulation Putty

3M

Use Scotchfil Electrical Insulation Putty as a build-up compound on highly irregular surfaces such as fittings and valves, providing a smooth, waterproof taping surface. Scotchfil Putty is soft and pliable. Simply press putty into place on irregular surfaces, mold with finger pressure and over tape using standard methods. Note: Scotchfil Putty must be overwrapped with Scotchrap or Temflex.



| Mfg. No.             | Advanced ID     | Dimensions  |
|----------------------|-----------------|-------------|
| SCOTCHFIL-1-1/2X60IN | <b>88176855</b> | 1½ x 60 in. |

Continued ►

### Scotch® 35 and 3M™ Temflex™ 1700C Vinyl Electrical Tape, Colored

3M

**Scotch 35 Vinyl Electrical Color Coding Tape** is an electrical grade polyvinyl chloride tape with a pressure sensitive rubber adhesive available in nine fade-resistant colors. Scotch 35 Tape is designed for use in phase identification, color coding of motor leads and piping systems, and for marking safety areas. 35 Tape is resistant to moisture, alkalies, acids and corrosion and is flame retardant.



**Temflex 1700C Colored Electrical Tape** is an economical, flexible, general purpose tape. Ideal for harnessing and for use as a protective jacket.

| Mfg. No.  | Advanced ID | Dimensions       | Color  |
|---|-------------|------------------|--------|
| <b>Scotch Vinyl Electrical Tape for Color Coding 35</b> |             |                  |        |
| 35-BLUE-1/2X20FT  | 88175946    | 1/2 in. x 20 ft. | Blue   |
| 35-BLUE-3/4X66FT  | 88175954    | 3/4 in. x 66 ft. | Blue   |
| 35-BROWN-1/2X20FT                                       | 88175947    | 1/2 in. x 20 ft. | Brown  |
| 35-BROWN-3/4X66FT                                       | 88175955    | 3/4 in. x 66 ft. | Brown  |
| 35-GRAY-1/2X20FT  | 88175949    | 1/2 in. x 20 ft. | Gray   |
| 35-GRAY-3/4X66FT  | 88175957    | 3/4 in. x 66 ft. | Gray   |
| 35-GREEN-1/2X20FT                                       | 88175948    | 1/2 in. x 20 ft. | Green  |
| 35-GREEN-3/4X66FT                                       | 88175956    | 3/4 in. x 66 ft. | Green  |
| 35-ORANGE-1/2X20FT                                      | 88175950    | 1/2 in. x 20 ft. | Orange |
| 35-ORANGE-3/4X66FT                                      | 88175958    | 3/4 in. x 66 ft. | Orange |
| 35-RED-1/2X20FT   | 88175951    | 1/2 in. x 20 ft. | Red    |
| 35-RED-3/4X66FT   | 88175959    | 3/4 in. x 66 ft. | Red    |
| 35-VIOLET-1/2X20FT                                      | 97105316    | 1/2 in. x 20 ft. | Violet |
| 35-VIOLET-3/4X66FT                                      | 88175960    | 3/4 in. x 66 ft. | Violet |
| 35-WHITE-1/2X20FT                                       | 88175952    | 1/2 in. x 20 ft. | White  |
| 35-WHITE-3/4X66FT                                       | 88175961    | 3/4 in. x 66 ft. | White  |
| 35-YELLOW-1/2X20FT                                      | 88175953    | 1/2 in. x 20 ft. | Yellow |
| 35-YELLOW-3/4X66FT                                      | 88175962    | 3/4 in. x 66 ft. | Yellow |
| <b>Temflex Vinyl Electrical Tape 1700C</b>              |             |                  |        |
| 1700C-BLUE  | 95011182    | 3/4 in. x 66 ft. | Blue   |
| 1700C-BROWN   | 95011183    | 3/4 in. x 66 ft. | Brown  |
| 1700C-GRAY  | 95011177    | 3/4 in. x 66 ft. | Gray   |
| 1700C-GREEN   | 95011178    | 3/4 in. x 66 ft. | Green  |
| 1700C-ORANGE  | 95011180    | 3/4 in. x 66 ft. | Orange |
| 1700C-RED   | 95011181    | 3/4 in. x 66 ft. | Red    |
| 1700C-WHITE   | 95011176    | 3/4 in. x 66 ft. | White  |
| 1700C-YELLOW  | 95011179    | 3/4 in. x 66 ft. | Yellow |

### Scotch® Fire-Retardant Electric Arc Proofing Tape 77

3M

**Scotch 77 Fire-Retardant Electric Arc Proofing Tape** is designed to protect all types of electrical cables where exposed to potential failures of other high voltage cables or exposed to other high energy cables. Its unique formulation expands in fire to form a thick char buildup between the flame and the cable. The resulting firewall acts as a heat shield and flame barrier, thus protecting the cables and accessories.



| Mfg. No.      | Advanced ID | Dimensions         | Color |
|---------------|-------------|--------------------|-------|
| 77-3X20FT     | 88176172    | 3 in. x 20 ft.     | Black |
| 77-1-1/2X20FT | 88176171    | 1 1/2 in. x 20 ft. | Black |

### Vinyl Electrical Tapes

3M



Temflex 1700



Scotch Super 33+



Scotch Super 88

3M Vinyl Electrical Tapes are flame-retardant and highly conformable. These tapes are suited for indoor or outdoor applications and have an excellent resistance to abrasion, moisture, alkalies, acid, copper corrosion and varying weather conditions (including sunlight).

| Mfg. No.   | Advanced ID | Dimensions         | Color |
|--|-------------|--------------------|-------|
| <b>Temflex Vinyl Electrical Tape 1700</b>                  |             |                    |       |
| 1700-TEMFLEX   | 90095212    | 3/4 in. x 60 ft.   | Black |
| 1700-TEMFLEX-3/4X36YD                                      | 99472434    | 3/4 in. x 36 yd.   | Black |
| 1700-TEMFLEX-3/4X66FT                                      | 92047609    | 3/4 in. x 66 ft.   | Black |
| <b>Scotch Super Vinyl Electrical Tape 33+</b>              |             |                    |       |
| 33SUPER-3/4X20FT   | 88175942    | 3/4 in. x 20 ft.   | Black |
| 33PLUS-SUPER-3/4X44FT                                      | 88175943    | 3/4 in. x 44 ft.   | Black |
| 33PLUS-SUPER-3/4X36YD                                      | 99472317    | 3/4 in. x 36 yd.   | Black |
| 33SUPER-3/4X66FT   | 88175944    | 3/4 in. x 66 ft.   | Black |
| 33PLUS-SUPER-1X36YD  | 96002290    | 1 in. x 36 yd.     | Black |
| 33PLUS-SUPER-1-1/2X36YD                                    | 99472435    | 1 1/2 in. x 36 yd. | Black |
| <b>Scotch Super Vinyl Electrical Tape 88</b>               |             |                    |       |
| 88-SUPER-3/4X44FT  | 88176223    | 3/4 in. x 44 ft.   | Black |
| 88-SUPER-3/4X66FT  | 88176224    | 3/4 in. x 66 ft.   | Black |
| 88-SUPER-3/4X36YD  | 88176222    | 3/4 in. x 36 yd.   | Black |
| 88-SUPER-1X36YD  | 88315321    | 1 in. x 36 yd.     | Black |
| 88-SUPER-1-1/2X44FT  | 88176220    | 1 1/2 in. x 44 ft. | Black |
| 88-SUPER-1-1/2X36YD  | 99472364    | 1 1/2 in. x 36 yd. | Black |
| 88-SUPER-2X36YD  | 88176221    | 2 in. x 36 yd.     | Black |
| <b>Scotch All-Weather Vinyl Plastic Telephone Tape 88T</b> |             |                    |       |
| 88T3/4X36FT  | 98292993    | 3/4 in. x 36 ft.   | Black |
| 88T 3/4X60FT   | 98292998    | 3/4 in. x 60 ft.   | Black |
| 88T1X36FT  | 98292997    | 1 in. x 36 ft.     | Black |
| 88T 1-1/2X44FT   | 98292999    | 1 1/2 in. x 44 ft. | Black |
| <b>Highland Vinyl Electrical Tape 1700</b>                 |             |                    |       |
| HIGHLAND   | 88176294    | 3/4 in. x 66 ft.   | Black |

### Foam Tape

Panduit

Acrylic foam tape - Recommended for high temperature and outdoor applications (180° F) and exposure to UV light.

Rubber foam tape - Excellent quick tack designed for long term shear loads in indoor applications (120°F).



| Mfg. No.       | Advanced ID | Dimensions        | Color | Temperature Rating |
|----------------|-------------|-------------------|-------|--------------------|
| P32W2A-100-7   | 88198547    | 1 in. W x 7 yd. L | White | 180°F              |
| P32W2R1-100-7  | 88198555    | 1 in. W x 7 yd. L | White | 120°F              |
| P32W2A=Acrylic |             |                   |       |                    |
| P32W2R=Rubber  |             |                   |       |                    |



### Scotch® 27 and Scotch 69 Glass Cloth Electrical Tape

3M

**Scotch 27 Glass Cloth Electrical Tape** is a white woven glass cloth tape designed to operate in 600V dry applications requiring high mechanical strength and resistance to high temperatures. The adhesive is a pressure-sensitive rubber thermosetting system. The glass cloth is specially treated and prepared to provide corrosion-free protection. The glass cloth will not shrink, rot or burn and has a high tensile strength. This tape has a class "B" 266°F temperature rating.



**Scotch 69 Glass Cloth Electrical Tape** is a white glass tape with a high-temperature thermosetting silicone adhesive. It has been designed for use in 600V dry location applications requiring both high mechanical strength and resistant to high temperatures. The thermosetting adhesive provides an increased bond, once applied in areas of high ambient temperatures. This tape has a class "H" 356°F temperature rating.

| Mfg. No.                                     | Advanced ID     | Dimensions       | Color | Temperature Rating |
|--|-----------------|------------------|-------|--------------------|
| <b>Scotch Glass Cloth Electrical Tape 27</b> |                 |                  |       |                    |
| 27-1/2X66FT                                  | <b>88175897</b> | 1/2 in. x 66 ft. | White | 266°F              |
| 27-3/4X66FT                                  | <b>88175898</b> | 3/4 in. x 66 ft. | White | 266°F              |
| <b>Scotch Glass Cloth Electrical Tape 69</b> |                 |                  |       |                    |
| 69-1/2X66FT                                  | <b>88176156</b> | 1/2 in. x 66 ft. | White | 356°F              |
| 69-3/4X66FT                                  | <b>88176157</b> | 3/4 in. x 66 ft. | White | 356°F              |

### Tak-Tape™ Hook & Loop Strips

Panduit

Features

- Hook & Loop Fastener for General Purpose Bundling
- Thin and Flexible to Quickly Wrap Around Bundle
- Adjustable, Releasable and Reusable
- Large Continuous Roll You Can Cut to Size  
Panduit Cutter Included with TTS-35RX0
- Complimentary Mounts Available
- Handy, Reusable Plastic Case (TTS20) Keeps Material Clean
- Note: Minimum 2 in. Overlap Required to Achieve Loop Tensile Rating
- Thickness: 0.035 in.



| Mfg. No.  | Advanced ID     | Dimensions            | Color | Temperature Rating |
|-----------|-----------------|-----------------------|-------|--------------------|
| TTS-20R0  | <b>22046150</b> | 0.75 in. W x 20 ft. L | Black | -22°F to 194°F     |
| TTS-35RX0 | <b>22054654</b> | 0.75 in. W x 35 ft. L | Black | -22°F to 194°F     |

### 3M™ Temflex™ Cotton Friction Tape 1755

3M

Temflex 1755 Cotton Friction Tape is a 15 mil thick, high-grade friction tape which exceeds the requirements of ASTM D-4514. The tape is comprised of a high-quality cotton fabric coated with an electrical-grade rubber adhesive.



| Mfg. No.            | Advanced ID     | Width     | Length     |
|---------------------|-----------------|-----------|------------|
| 1755-3/4X60FT       | <b>96011165</b> | 3/4 in.   | 60 ft.     |
| 1755-3/4X82-1/2FT   | <b>94010513</b> | 3/4 in.   | 82 1/2 ft. |
| 1755-1-1/2X82-1/2FT | <b>95044628</b> | 1 1/2 in. | 82 1/2 ft. |

### Scotch® Mastic Tape

3M

**Scotch 2200 Pads and 2210 Rolls** are self-fusing, rubber-based insulating compounds laminated to a flexible, all-weather grade polyvinyl chloride (PVC) backing.



**Scotch 2228 Rubber Mastic Tape** is a conformable self-fusing rubber electrical insulating and sealing tape. It consists of an ethylene propylene rubber (EPR) backing coated with an aggressive, temperature-stable mastic adhesive. The tape is made 65 mils thick for quick application build-up. It is designed for electrical insulating and moisture sealing applications. Scotch 2228 can be used on copper or aluminum conductors rated at 194°F, with an emergency overload rating of 226°F. It offers excellent resistance to moisture and ultraviolet exposure and is intended for both indoor and weather-exposed outdoor applications.

**Scotch-Seal 2229 Mastic Tape** is a conformable, durable, tacky mastic coated on an easy-release liner. The product is designed for quick and easy insulating, padding and sealing of objects that need to be protected from adverse environmental conditions. It is well suited for corrosion protection applications and is resistant to UV radiation.

| Mfg. No.  | Advanced ID     | Dimensions         |
|---|-----------------|--------------------|
| <b>Scotch Vinyl Mastic Pads and Rolls 2200 and 2210</b> |                 |                    |
| 2200-3-1/4X4-1/2  | <b>88175874</b> | 3 1/4 x 4 1/2 in.  |
| 2200-6-1/2X4-1/2  | <b>88175875</b> | 6 1/2 x 4 1/2 in.  |
| 2210-4X10FT   | <b>88175876</b> | 4 in. x 10 ft.     |
| <b>Scotch Rubber Mastic Tape 2228</b>                   |                 |                    |
| 2228-1X10FT   | <b>98407373</b> | 1 in. x 10 ft.     |
| 2228-2X3  | <b>99574992</b> | 2 in. x 3 ft.      |
| 2228-2X10FT   | <b>88291004</b> | 2 in. x 10 ft.     |
| <b>Scotch-Seal Mastic Tape 2229</b>                     |                 |                    |
| 2229-1X10FT   | <b>98407374</b> | 1 in. x 10 ft.     |
| 2229-3-3/4X10FTX1/8IN                                   | <b>92036734</b> | 3 3/4 in. x 10 ft. |

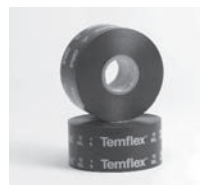


## 3M™ Scotchrap™ 50 and 51 and Temflex™ 1100 Corrosion Protection Tape

3M



Scotchrap 50



Temflex 1100

Scotchrap 50 and 51 Tapes are tough, polyvinyl chloride-based tapes with special high tack adhesives formulated to resist corrosion of metal piping systems above and below ground, fittings and joints on all mill-coated pipe and electrical conduit systems. Scotchrap 50 is a highly conformable, all-weather 10 mil thick tape. Scotchrap 51 provides similar qualities in a thicker, 20 mil tape. Both tapes apply over a wide temperature range, have a high electric strength and excellent insulating properties, and are resistant to impact, abrasions, punctures and tears. Note: Coat the pipe or other metal surfaces with Scotchrap Pipe Primer before wrapping with Scotchrap 50 or 51.

Temflex 1100 Tape is made of tough, polyvinyl chloride specially formulated for corrosion protection of pipes, conduits and metallic cable jackets. It is easy to apply and provides excellent protection against abrasion, puncture, corrosion and electrolytic action both above and below ground. Temflex 1100 resists corrosion caused by acids, alkalies and other corrosive materials, including compounds of chlorine, bromine, sodium and lithium. It also resists salt water and sunlight. Note: If pipe is to be buried, application of a coating of Scotchrap Pipe Primer is recommended before tape is applied.

| Mfg. No.  | Advanced ID | Dimensions      | Thickness |
|---|-------------|-----------------|-----------|
| <b>Scotchrap All-Weather Corrosion Protection Tape 50</b> |             |                 |           |
| 50-1X100FT  | 88175999    | 1 in. x 100 ft. | 10 mil    |
| 50-2X100FT  | 88176000    | 2 in. x 100 ft. | 10 mil    |
| 50-UNPRINTED-3X100FT                                      | 99472360    | 3 in. x 100 ft. | 10 mil    |
| 50-4X100FT  | 90045533    | 4 in. x 100 ft. | 10 mil    |
| 50-6X100FT  | 88176002    | 6 in. x 100 ft. | 10 mil    |
| 50-PRINTED-1X100FT  | 96044800    | 1 in. x 100 ft. | 10 mil    |
| 50-PRINTED-2X100FT  | 96044801    | 2 in. x 100 ft. | 10 mil    |
| 50-PRINTED-4X100FT  | 93173656    | 4 in. x 100 ft. | 10 mil    |
| <b>Scotchrap All-Weather Corrosion Protection Tape 51</b> |             |                 |           |
| 51-UNPRINTED-1X100FT                                      | 88319019    | 1 in. x 100 ft. | 20 mil    |
| 51-UNPRINTED-2X100FT                                      | 88176004    | 2 in. x 100 ft. | 20 mil    |
| 51-UNPRINTED-4X100FT                                      | 88176003    | 4 in. x 100 ft. | 20 mil    |
| 51-UNPRINTED-6X100FT                                      | 90074901    | 6 in. x 100 ft. | 20 mil    |
| 51-PRINTED-1X100FT  | 96044798    | 1 in. x 100 ft. | 20 mil    |
| 51-PRINTED-2X100FT  | 92081088    | 2 in. x 100 ft. | 20 mil    |
| 51-PRINTED-4X100FT  | 96044799    | 4 in. x 100 ft. | 20 mil    |
| 51-PRINTED-6X100FT  | 99472426    | 6 in. x 100 ft. | 20 mil    |
| <b>Temflex Corrosion Protection Tape 1100</b>             |             |                 |           |
| 1100-UNPRINTED-2X100FT                                    | 88175819    | 2 in. x 100 ft. | 10 mil    |
| 1100-PRINTED-2X100FT                                      | 88175817    | 2 in. x 100 ft. | 10 mil    |

Printed tapes are printed with product name and thickness.

### 3M™ Scotchcast™ Inline Resin Splice Kit

3M



Scotchcast 82-A Inline



Scotchcast 82-B1 Wye

Scotchcast 72-N Series Inline Kits splice shielded or non-shielded plastic- or rubber-jacketed signal and control (or power) cables rated up to 1 kV. Six kit sizes cover a range of cables up to 100 pair (200 conductors) 10 AWG or 200 pair (400 conductors) 22 AWG. The 72-N1 Kit is recommended for unshielded cable only.

Scotchcast 82-A Series Power Cable Splice Kits are designed for use in weather-exposed or direct-burial locations. For making inline (straight) splices on unshielded, synthetic insulated cables rated up to a maximum of 5 kV and for multiple conductor cables rated up to a maximum of 1 kV.

Scotchcast 82-F1 and 82-F2 Inline Splice Kits are for use on non-shielded portable power cables. The kits are rated up to 5 kV for single conductor and up to 1 kV for multiple conductors. The kits are designed to be used with inline compression connectors. The 82-F Series Kits are permanent splices as assigned by the Mine Safety and Health Administration (P-142-5 MSHA).

Scotchcast 82-B1 Wye Resin Splice Kits insulate and seal wye splices for compression tape connectors (e.g. C-tap or H-tap) rated for cables up to 5 kV. Use on non-shielded cables through 5 kV and on multiple conductor cables through 1 kV.

| Mfg. No.  | Advanced ID     | Description   |
|---|-----------------|---|
| <b>1 kV Inline Splice Kits - Shielded or Non-Shielded</b> |                 |   |
| 72-N1   | <b>88176165</b> | Signal and Control Cable Up to 1kV, Molded Body Length 7-1/8 in., Cable O.D. 0.25-0.625 in.                           |
| 72-N2   | <b>88176166</b> | Signal and Control Cable Up to 1kV, Molded Body Length 10 <sup>7</sup> / <sub>16</sub> in., Cable O.D. 0.50-1.00 in.  |
| 72-N3   | <b>88176167</b> | Signal and Control Cable Up to 1kV, Molded Body Length 15 <sup>7</sup> / <sub>16</sub> in., Cable O.D. 0.625-1.50 in. |
| 72-N4   | <b>88176168</b> | Signal and Control Cable Up to 1kV, Molded Body Length 15 <sup>9</sup> / <sub>16</sub> in., Cable O.D. 1.00-2.00 in.  |
| 72-N5   | <b>88176169</b> | Signal and Control Cable Up to 1kV, Molded Body Length 20-5/16 in., Cable O.D. 1.25-2.25 in.                          |
| 72-N6   | <b>88176170</b> | Signal and Control Cable Up to 1kV, Molded Body Length 25 in., Cable O.D. 1.25-3.25 in.                               |

#### 1-5 kV Inline Splice Kits - Non-Shielded

|      |                 |   |
|------|-----------------|---|
| 82-A | <b>88176200</b> | For Single or Multiple (to 1000V) Conductor Wet or Dry Cable, Maximum Cable O.D. 0.750 in., Maximum Connector O.D. 0.406 in., Conductor Size 10-2 AWG |
|------|-----------------|---|

| Mfg. No.  | Advanced ID     | Description   |
|---|-----------------|---|
| <b>1-5 kV Inline Splice Kits - Non-Shielded</b> |                 |   |
| 82-A1   | <b>88176201</b> | For Single or Multiple (to 1000V) Conductor Wet or Dry Cable, Maximum Cable O.D. 0.625 in., Maximum Connector O.D. 0.406 in., Conductor Size Up to 2 AWG  |
| 82-A2   | <b>88176202</b> | For Single or Multiple (to 1000V) Conductor Wet or Dry Cable, Maximum Cable O.D. 1.000 in., Maximum Connector O.D. 0.625 in., Conductor Size Up to 2-3/0 AWG  |
| 82-A3   | <b>88176203</b> | For Single or Multiple (to 1000V) Conductor Wet or Dry Cable, Maximum Cable O.D. 1.563 in., Maximum Connector O.D. 1.000 in., Conductor Size Up to 3/0 AWG-400 kcmil  |
| <b>1-5 kV Inline Splice Kits - Non-Shielded</b> |                 |   |
| 82-F1   | <b>88291018</b> | For Single or Multiple (to 1 kV) Conductor Wet or Dry Flexible Power Cable, Maximum Cable O.D. 0.25-0.80 in., Maximum Connector O.D. 0.62 in. (1 Conductor)/0.90 in. (Multiple Conductors), Conductor Size 6-1/0 AWG (Single Conductor)   |
| 82-F2   | <b>89088564</b> | For Single or Multiple (to 1 kV) Conductor Wet or Dry Flexible Power Cable, Maximum Cable O.D. 0.80-1.20 in., Maximum Connector O.D. 0.82 in. (1 Conductor)/1.30 in. (Multiple Conductors), Conductor Size 2/0-4/0 AWG (Single Conductor) |
| <b>1-5 kV Wye Splice Kit - Non-Shielded</b>     |                 |   |
| 82-B1   | <b>88176204</b> | For Single (5 kV) or Multiple (to 1 kV) Conductor Wet or Dry Cable, Maximum Cable O.D. 0.250 -0.625 in., Conductor Size 4 AWG (Minimum) Split Bolt/2 AWG (Maximum) Crimped  |

### Scotchcast™ Flame Retardant Compound 2130

3M

Scotchcast 2130 is a flexible, permanent, urethane resin used for jacket repair or splicing portable cables. It is flame retardant and has MSHA approval number P-142-5.



| Mfg. No.    | Advanced ID     | Description  |
|-------------|-----------------|--|
| 2130-SIZE-B | <b>88175871</b> | Scotchcast 2130 Flame Retardant Compound, 7.6 oz.  |
| 2130-SIZE-C | <b>88175872</b> | Scotchcast 2130 Flame Retardant Compound, 21.7 oz. |

Continued ➤

## 3M™ Scotchcast™ Electrical Insulating Resin 4

3M

Scotchcast 4 Electrical Insulating Resin is a black, two-part epoxy insulating and encapsulating resin. Use Scotchcast 4 Resin to splice solid dielectric and oil-filled cables up to 8 kV.

### Features

- Gel Time 16 Minutes at 75°F
- Maximum Operating Temperature 194°F Continuous, 266°F Overload, 482°F Intermittent, Flash Point 300°F



| Mfg. No. | Advanced ID              | Description      |
|----------|--------------------------|------------------|
| 4-SIZE-A | <a href="#">88175964</a> | 3.2 oz. package  |
| 4-SIZE-B | <a href="#">88175965</a> | 7.4 oz. package  |
| 4-SIZE-C | <a href="#">88175966</a> | 14.7 oz. package |
| 4-SIZE-D | <a href="#">99471679</a> | 22.2 oz. package |
| 4-SIZE-E | <a href="#">99471680</a> | 10.4 oz. package |

## 3M™ 8420 Series Splice Kits, Low Voltage 0-600V (Rated 1000V)

3M

3M Cold Shrink™ Splices are open-ended, tubular, rubber sleeves which are factory expanded and assembled onto a removable core. The core is removed after the tube has been positioned for installation over an inline connection, terminal lug, etc., allowing the tube to shrink and form a water-resistant seal. The insulating tube is made of EPDM rubber which contains no chlorides or sulfurs. Six diameter sizes will cover a range of 1000V cable from 10 AWG through 1000 kcmil, copper and aluminum conductors.

To extend the useful life of this product in applications which are continuously exposed to high levels of ultra-violet radiation, overwrap with Scotch Super 33+ Vinyl Tape or Scotch 70 Silicone Tape.



### Features

- Simple Installation; Requires No Tools
- No Torches or Heat Required
- Good Thermal Stability
- Excellent Wet Electrical Properties
- Improved, Tougher Rubber Formulation to Withstand Backfilling
- No Mastic or Tape Required to Seal
- Resists Fungus, Acids, Alkalies and Ozone

| Mfg. No. | Advanced ID              | Conductor Range   | Cable Diameter Range | Maximum Connector Length | Relaxed Tube Length |
|----------|--------------------------|-------------------|----------------------|--------------------------|---------------------|
| 8423-6   | <a href="#">97107187</a> | 6-4 AWG           | 0.31-0.56 in.        | 2 in.                    | 6 in.               |
| 8424-8   | <a href="#">97118235</a> | 10-1/0 AWG        | 0.10-0.82 in.        | 3 in.                    | 8 in.               |
| 8425-8   | <a href="#">97126731</a> | 2-1/0 AWG         | 0.40-0.82 in.        | 3 in.                    | 8 in.               |
| 8426-9   | <a href="#">88176213</a> | 2/0 AWG-250 kcmil | 0.55-1.18 in.        | 5 in.                    | 9 in.               |
| 8426-11  | <a href="#">88291002</a> | 2/0 AWG-250 kcmil | 0.55-1.18 in.        | 7 in.                    | 11 in.              |
| 8427-12  | <a href="#">88287327</a> | 250-400 kcmil     | 0.69-1.38 in.        | 8 in.                    | 12 in.              |
| 8427-16  | <a href="#">88290999</a> | 250-400 kcmil     | 0.69-1.38 in.        | 12 in.                   | 16 in.              |
| 8428-12  | <a href="#">88291011</a> | 500-800 kcmil     | 0.95-1.94 in.        | 8 in.                    | 12 in.              |
| 8428-18  | <a href="#">88291000</a> | 500-800 kcmil     | 0.95-1.94 in.        | 14 in.                   | 18 in.              |
| 8429-9   | <a href="#">90059325</a> | 900-1000 kcmil    | 1.27-2.67 in.        | 5 in.                    | 9 in.               |
| 8429-12  | <a href="#">97107225</a> | 900-1000 kcmil    | 1.27-2.67 in.        | 8 in.                    | 12 in.              |
| 8429-15  | <a href="#">99970272</a> | 900-1000 kcmil    | 1.27-2.67 in.        | 11 in.                   | 15 in.              |
| 8429-18  | <a href="#">88319018</a> | 900-1000 kcmil    | 1.27-2.67 in.        | 14 in.                   | 18 in.              |

### HSTT Heat Shrink

Panduit

Features

- Shrink Ratio of 2:1 Insulates a Wide Range of Diameters and Irregular Shapes
- Cross-Linked, UV Resistant Material Improves Flame Retardancy, Chemical and Temperature Resistance



| Mfg. No.      | Advanced ID | Description | Wire Size | Length |
|---------------|-------------|-------------|-----------|--------|
| HSTT12-48-Q   | 90087491    | Thin, Black | 0.062     | 4 ft.  |
| HSTT19-48-Q   | 90087485    | Thin, Black | 0.093     | 4 ft.  |
| HSTT25-48-QC  | 91011085    | Thin, Clear | 0.125     | 4 ft.  |
| HSTT38-48-Q   | 90087487    | Thin, Black | 0.187     | 4 ft.  |
| HSTT38-48-QC  | 92040162    | Thin, Clear | 0.187     | 4 ft.  |
| HSTT50-48-5   | 90087488    | Thin, Black | 0.250     | 4 ft.  |
| HSTT50-48-5C  | 91018344    | Thin, Clear | 0.250     | 4 ft.  |
| HSTT75-48-5   | 90087489    | Thin, Black | 0.375     | 4 ft.  |
| HSTT100-48-5  | 90087490    | Thin, Black | 0.500     | 4 ft.  |
| HSTT100-48-5C | 92040163    | Thin, Clear | 0.500     | 4 ft.  |
| HSTT150-48-5  | 90093794    | Thin, Black | 0.750     | 4 ft.  |
| HSTT150-48-5C | 92040164    | Thin, Clear | 0.750     | 4 ft.  |
| HSTT200-48-5  | 92040070    | Thin, Black | 1.000     | 4 ft.  |
| HSTT200-48-5C | 92040165    | Thin, Clear | 1.000     | 4 ft.  |

### HSTT Heat Shrink Bulk Reels

Panduit

Features

- Cross-Linked, UV Resistant Material Improves Flame Retardancy, Chemical, and Temperature Resistance
- Applications Include Insulating, Protecting, Harnessing and Identifying Wires
- Material Type: Crosslinked Polyolefin
- Shrink Ratio: 2:1
- Temperature Range: -67°F to 275°F
- Flammability Rating: Flame Retardant EXCEPT Clear
- Voltage: 600V
- UL Recognized, CSA Certified
- Mil Spec: AMS-DTL-23053/5 Class 1 (Colors) Class 2 (Clear)



| Mfg. No. | Advanced ID | Description                                  | Wire Size | Length  |
|----------|-------------|--|-----------|---------|
| HSTT50-C | 99427430    | Thin Wall, Black, Min. Expanded I.D. .5 in.  | 0.500     | 100 ft. |
| HSTT75-C | 98397997    | Thin Wall, Black, Min. Expanded I.D. .75 in. | 0.750     | 100 ft. |

### HSTT Heat Shrink Reels

Panduit

Features

- General Purpose Heat Shrink Tubing for Dry Locations
- Applications Include Insulating, Protecting, Harnessing and Identifying Wires
- Material Type: Crosslinked Polyolefin
- Shrink Ratio: 2:1
- Temperature Range: -67°F to 275°F
- Flammability Rating: Flame Retardant EXCEPT Clear
- Voltage: 600V
- UL Recognized, CSA Certified
- Mil Spec: AMS-DTL-23053/5 Class 1 (Colors) Class 2 (Clear)



| Mfg. No.  | Advanced ID | Description                                   | Wire Size | Length |
|-----------|-------------|---|-----------|--------|
| HSTT12-Q  | 99494010    | Thin Wall, Black, Min. Expanded I.D. .125 in. | 0.125     | 25 ft. |
| HSTT25-Q  | 99485197    | Thin Wall, Black, Min. Expanded I.D. .25 in.  | 0.250     | 25 ft. |
| HSTT50-Q  | 99485199    | Thin Wall, Black, Min. Expanded I.D. .5 in.   | 0.500     | 25 ft. |
| HSTT50-QC | 97218695    | Thin Wall, Clear, Min Expanded I.D. .5 in.    | 0.500     | 25 ft. |
| HSTT75-QC | 97218696    | Thin Wall, Clear, Min Expanded I.D. .75 in.   | 0.750     | 25 ft. |

### HSTT Heat Shrink

Panduit

Features

- General Purpose Heat Shrink Tubing for Dry Locations
- Small Package Holds Unused Tubing and Fits in a Tool Box
- Material Type: Crosslinked Polyolefin
- Shrink Ratio: 2:1
- Temperature Range: -67°F to 275°F
- Flammability Rating: Flame Retardant EXCEPT Clear
- Voltage: 600V
- UL Recognized, CSA Certified
- Mil Spec: AMS-DTL-23053/5 Class 1 (Colors) Class 2 (Clear)



| Mfg. No. | Advanced ID              | Description      | Wire Size | Length |
|----------|--------------------------|------------------|-----------|--------|
| HSTT25-Y | <a href="#">92119834</a> | Thin Wall, Black | 0.125     | 6 in.  |
| HSTT38-Y | <a href="#">92119835</a> | Thin Wall, Black | 0.187     | 6 in.  |
| HSTT50-Y | <a href="#">92135118</a> | Thin Wall, Black | 0.250     | 6 in.  |
| HSTT75-Y | <a href="#">92135119</a> | Thin Wall, Black | 0.375     | 6 in.  |

### HST Thick Wall Polyolefin Heat Shrink

Panduit

Features

- Shrink Ratio of 3:1 Insulates a Wide Range of Diameters and Irregular Shapes
- Cross-Linked, UV Resistant Material Improves Flame Retardancy, Chemical, and Temperature Resistance
- Thick Wall Product Seals and Insulates in One Step to Speed Installation



| Mfg. No.    | Advanced ID              | Description       | Wire Size | Length |
|-------------|--------------------------|-------------------|-----------|--------|
| HST0.4-48-5 | <a href="#">88197924</a> | Thick Wall, Black | 0.150     | 4 ft.  |
| HST0.4-6-X  | <a href="#">88197925</a> | Thick Wall, Black | 0.150     | 6 ft.  |
| HST0.8-48-5 | <a href="#">96037993</a> | Thick Wall, Black | 0.260     | 4 ft.  |
| HST1.1-48-5 | <a href="#">88197926</a> | Thick Wall, Black | 0.370     | 4 ft.  |
| HST1.5-48-5 | <a href="#">88197930</a> | Thick Wall, Black | 0.500     | 4 ft.  |
| HST2.0-48-2 | <a href="#">88197933</a> | Thick Wall, Black | 0.670     | 4 ft.  |

### Motor Lead Connections, Non-Shielded (1 kV)

3M

Each kit makes three splices and is designed exclusively for the abrasion, moisture, grime and temperature extremes of the industrial environment.

3M Motor Lead Pigtail Connections (5300 through 5304) are designed to splice 1000V or less, nonshielded feeder and motor lead cable. The splices are made with a slip-on lug cover made of EPDM rubber.

3M Motor Lead Pigtail Connections (5321 through 5324) are designed to splice 5 to 8 kV shielded (Tape or Wire Shielded and UniShield®) and non-shielded feeder cable. The splices are made with a cold shrink lug cover of EPDM rubber. Use with 1- or 2-hole lugs.

3M Motor Lead Connectors meet requirements for CSA certification and NRTL certification.

5300 through 5304 Kit Contents: Lug Covers, 23 Tape, Mastic Sealing Strips, Silicone Grease Lubricant and Instruction Sheet; 5302 thru 5304. Also contain locking pins.

5321 through 5324 Kit Contents: Lug Covers, PST Cold Shrink™ Tubes, 2220 Stress Control Tape, 23 Tape, Mastic Sealing Strips, Solvent Cleaning Cloths, Silicone Grease Lubricant and Instruction Sheet.



| Mfg. No.  | Advanced ID              | Feeder Cable Size | Length        | Motor Lead Size   |
|---|--------------------------|-------------------|---------------|-------------------|
| <b>Non-Shielded 1 kV Motor Lead Connections</b>   |                          |                   |               |                   |
| 5300  | <a href="#">88291017</a> | 14-10 AWG         | 2.1 in.       | 16-12 AWG         |
| 5301  | <a href="#">88176007</a> | 10-4 AWG          | 3.4 in.       | 12-4 AWG          |
| 5302  | <a href="#">88176008</a> | 2-1/0 AWG         | 4.2 in.       | 4-1/0 AWG         |
| 5303  | <a href="#">88176009</a> | 1/0 AWG-250 kcmil | 5.3 in.       | 2 AWG-250 kcmil   |
| 5304  | <a href="#">88176010</a> | 250-500 kcmil     | 6.7 in.       | 4/0 AWG-500 kcmil |
| <b>Shielded 5 and 8 kV Motor Lead Connections</b> |                          |                   |               |                   |
| 5321  | <a href="#">88176017</a> | 8-4 AWG           | 7-8 in.       | 10-4 AWG          |
| 5322  | <a href="#">88176018</a> | 2-1/0 AWG         | 8-9 in.       | 4-1/0 AWG         |
| 5323  | <a href="#">88176019</a> | 1/0 AWG-250 kcmil | 9-10 in.      | 2 AWG-250 kcmil   |
| 5324  | <a href="#">88176020</a> | 250-500 kcmil     | 10.5-11.5 in. | 4/0 AWG-500 kcmil |



### 3M™ Direct Bury and Heat Shrink Splice Kits

3M



DBR/DBY Splice Kits



UF Splice Kit

3M Direct Bury underground electrical wire connectors splice and effectively moisture-seal two or more conductors for remote-control circuits in irrigation and landscape lighting systems. Construction: Connector - Steel Spring, Shell, Flame Retardant PVC Insulator; Tube - Polypropylene; Gel - Thixotropic Calcium Organic Complex (DBR, DBY) or Silicone Electrical Insulating Gel (DBR-6, DBY-6). 3M UF Splice Kits are designed to provide a reliable, moisture-proof electrical connection for Type UF-B underground feeder cable rated for 600V ranging from #14/3 without ground wire up to #8/3 with ground wire. The UF Splice Kit consists of a connector-insulation assembly and a heat shrink tube. The connector assembly contains four cylindrical set screw connectors separated by a piece of vinyl insulation. The heat shrink tube is a heavy-wall, adhesive-lined tube. The Standard Kit is used in most applications. The Stretcher Kit is used in situations where a 7-10 in. section of the cable has been damaged or destroyed. It eliminates two connectors and a short piece of cable during repair.

| Mfg. No. | Advanced ID              | Insulator Material                      | Conductor Range      | Kit Contents  | Temperature Range | Voltage Rating |
|----------|--------------------------|---|----------------------|---|-------------------|----------------|
| DBR      | <a href="#">98403205</a> | Thixotropic Calcium Organic Complex Gel | 5#16 thru 3#10 AWG   | (2) Tubes, (2) Scotchlok R Connectors   | 32°-120°F         | 30             |
| DBR-6    | <a href="#">90057462</a> | Silicone Electrical Insulating Gel      | 5#16 thru 3#10 AWG   | (2) Tubes, (2) Scotchlok R Connectors   | 32°-120°F         | 600            |
| DBY      | <a href="#">88176267</a> | Thixotropic Calcium Organic Complex Gel | 2-5#18 thru 2#12 AWG | (2) Tubes, (2) Scotchlok Y Connectors   | 32°-120°F         | 30             |
| DBY-6    | <a href="#">90057461</a> | Silicone Electrical Insulating Gel      | 2-5#18 thru 2#12 AWG | (2) Tubes, (2) Scotchlok Y Connectors   | 32°-120°F         | 600            |
| UF1      | <a href="#">99434386</a> | Vinyl                                   | #14/3 up to #8/3     | 1.8L in. Terminal Connector, 8L in., Heavy -Wall Adhesive Lined Heat Shrink Tube  | 0°-120°F          | 600            |
| UF2      | <a href="#">99434387</a> | Vinyl                                   | #14/3 up to #8/3     | 11.5L in. Terminal Connector, 20L in. Heavy -Wall Adhesive Lined Heat Shrink Tube | 0°-120°F          | 600            |

### Copper Mechanical Lug - Offset - 1 Hole - Hex Head

Blackburn® / FCI Burndy® / Panduit



| Blackburn                             | Burndy                               | Panduit                                  | Max. Wire Size | Bolt Size                    |
|---------------------------------------|--------------------------------------|--|----------------|------------------------------|
| BTC1014<br><a href="#">(88033814)</a> | KLU25<br><a href="#">(92045578)</a>  | CB25-18-C<br><a href="#">(88197256)</a>  | 14-6           | <sup>8</sup> / <sub>32</sub> |
| BTC0614<br><a href="#">(88033813)</a> | KLU35<br><a href="#">(92039805)</a>  | CB35-36-C<br><a href="#">(92141283)</a>  | 14-6           | <sup>1</sup> / <sub>4</sub>  |
| BTC0208<br><a href="#">(88033812)</a> | KLU70<br><a href="#">(92039806)</a>  | CB70-14-C<br><a href="#">(88197261)</a>  | 8-2            | <sup>5</sup> / <sub>16</sub> |
| BTC1102<br><a href="#">(88033815)</a> | KLU125<br><a href="#">(92039807)</a> | CB125-14-Q<br><a href="#">(88197253)</a> | 2-1/0          | <sup>3</sup> / <sub>8</sub>  |
| BTC3104<br><a href="#">(88033816)</a> | KLU175<br><a href="#">(92039808)</a> | CB175-38-Q<br><a href="#">(88197254)</a> | 4-3/0          | <sup>3</sup> / <sub>8</sub>  |
| BTC4102<br><a href="#">(88033818)</a> | KLU225<br><a href="#">(92039809)</a> | CB225-56-Q<br><a href="#">(88197255)</a> | 2-4/0          | <sup>7</sup> / <sub>16</sub> |
| BTC3511<br><a href="#">(88033817)</a> | KLU300<br><a href="#">(92039810)</a> | CB300-38-Q<br><a href="#">(88197257)</a> | 1/0-350        | <sup>5</sup> / <sub>8</sub>  |
| BTC5011<br><a href="#">(88033819)</a> | KLU400<br><a href="#">(92039811)</a> | CB400-38-3<br><a href="#">(88197259)</a> | 1/0-500        | <sup>5</sup> / <sub>8</sub>  |



### Copper Mechanical Lug - Socket Head

Blackburn® / FCI Burndy® / Panduit



| Blackburn              | Burndy                 | Panduit                    | Barrel | Hole | Range    | Bolt Size |
|------------------------|------------------------|----------------------------|--------|------|----------|-----------|
| L35*<br>(88034280)     | KA8C<br>(88047606)     | PNL-8-C<br>(99534623)      | 1      | 1    | 14-8     | 10        |
| L70*<br>(88034294)     | KA4C<br>(88047604)     | PNL-4-C<br>(99534621)      | 1      | 1    | 14-4     | 1/4       |
| L125BB<br>(88034268)   | KA25<br>(88047588)     | PNL-1/0-L<br>(99417940)    | 1      | 1    | 4-1/0    | 3/8       |
| -                      | KA28<br>(88047591)     | PNL-250-Q<br>(99534617)    | 1      | 1    | 1-4/0    | 3/8       |
| L250<br>(88034274)     | -                      | PNL-250-Q<br>(99534617)    | 1      | 1    | 1-250    | 3/8       |
| L400-BB<br>(88034282)  | KA34<br>(88047596)     | PNL500-3<br>(99534619)     | 1      | 1    | 4/0-500  | 1/2       |
| L1252<br>(88034269)    | -                      | PNL-1/0-2-L<br>(99961674)  | 1      | 2    | 4-1/0    | 5/16      |
| L2502<br>(88034275)    | -                      | PNL-250-2-Q<br>(99685445)  | 1      | 2    | 1/0-250  | 3/8       |
| L4002<br>(88034283)    | -                      | PNL-500-2-3<br>(99961675)  | 1      | 2    | 4/0-500  | 3/8       |
| L6502-BB<br>(88034289) | -                      | PNL-1000-2-3<br>(99961676) | 1      | 2    | 500-1000 | 1/2       |
| -                      | Q2A26-2N<br>(88047894) | H2L13-2N-2<br>(99961665)   | 2      | 2    | 1/0-2/0  | 1/2       |
| TL250<br>(88034691)    | Q2A31-2N<br>(88047897) | H2L30-2N-1<br>(99961667)   | 2      | 2    | 250-350  | 1/2       |
| TL400<br>(88034695)    | Q2A34-2N<br>(88047899) | -                          | 2      | 2    | 400-500  | 1/2       |
| TL650<br>(88034699)    | Q2A44-4N<br>(88047903) | -                          | 2      | 2    | 500-1000 | 1/2       |

**Note:**

Advanced ID in blue.

\*Screw Driver Slot Head Only

Two Hole Lugs are NEMA Spaced

### SCRULUG™

FCI Burndy®

High copper alloy tin-plated terminal for joining wide range of cable to equipment pads or terminal blocks. Especially good in light industrial applications. The tongue and body are a one-piece design. The pressure bar equalizes pressure over the conductor and prevents the screw from cutting into the cable. UL and CSA listed.



| Mfg. No. | Advanced ID | Number of Bolt Holes | Conductor Range             | Bolt Size |
|----------|-------------|----------------------|-----------------------------|-----------|
| KPA4C    | 88047642    | 1                    | #14 Solid - #4 Stranded     | 1/4       |
| KPA8C    | 88047643    | 1                    | #8 Stranded - #14 Solid     | #10       |
| KPA25    | 88047639    | 1                    | #4 Stranded - 1/0 Stranded  | 5/16      |
| KPA28    | 88047640    | 1                    | 1/0 Stranded - 4/0 Stranded | 3/8       |
| KPA34    | 88047641    | 1                    | 4/0 Stranded - 500 kcmil    | 1/2       |

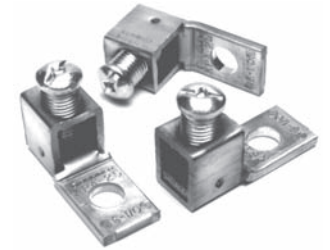
### SCRULUG™ Offset

FCI Burndy®

High copper alloy terminal for joining wide range of cable to equipment pads or terminal blocks.

#### Features

- One Piece Design
- Superior Torque and Pull Out Performance
- UL & CSA Listed



| Mfg. No. | Advanced ID              | Number of Bolt Holes | Conductor Range | Bolt Size |
|----------|--------------------------|----------------------|-----------------|-----------|
| KPA8CUP  | <a href="#">92124855</a> | 1                    | #14 Sol- #6 Str | #10       |
| KPA4CUP  | <a href="#">92124856</a> | 1                    | #14 Sol- #4 Str | 1/4       |

### Lay-in QIKLUG™

FCI Burndy®

The Lay-In QIKLUG™ is manufactured from high strength 6061-T6 aluminum, and is ideally suited for grounding and bonding applications accommodating both copper and aluminum conductor sizes #14 AWG to 250 kcmil.

#### Features

- UL Listed 90°C, 600V
- UL 486B Listed, AL9CU Rated
- UL Recognized for Grounding and Bonding
- Electro-Tin Plated
- Lay-In Feature

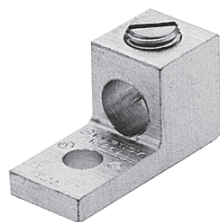


| Mfg. No. | Advanced ID              | Conductor Range    | Bolt Size | Number of Conductors | Number of Bolt Holes |
|----------|--------------------------|--------------------|-----------|----------------------|----------------------|
| BGBL-4   | <a href="#">96092045</a> | #4 - #14 AWG       | #10       | 1                    | 1                    |
| BGBL 1/0 | <a href="#">96092046</a> | 1/0 - #14 AWG      | 1/4 in.   | 1                    | 1                    |
| BGBL-250 | <a href="#">96092047</a> | 250 kcmil - #6 AWG | 1/4 in.   | 1                    | 1                    |

## One Hole Lug

Blackburn® / FCI Burndy® / Panduit

For aluminum and copper conductors.



| Blackburn              | Burndy               | Panduit                     | Barrels | Hole | Maximum Wire Size |
|------------------------|----------------------|-----------------------------|---------|------|-------------------|
| ADR6<br>(88033646)     | KA6U<br>(88047605)   | LAMA6-14-Q<br>(88287655)    | 1       | 1    | 6                 |
| ADR2<br>(88033628)     | KA2U<br>(88047593)   | LAMA2-14-Q<br>(88198114)    | 1       | 1    | 2                 |
| ADR11<br>(88033626)    | KA25U<br>(88047589)  | LAMA1/0-14-Q<br>(88198113)  | 1       | 1    | 1/0               |
| ADR21<br>(88033629)    | KA26U<br>(88047590)  | LAMA2/0-14-Q<br>(88198115)  | 1       | 1    | 2/0               |
| ADR25<br>(88033631)    | KA29U<br>(88047592)  | LAMA250-56-Q<br>(88198116)  | 1       | 1    | 250               |
| ADR30<br>(88033635)    | KA30U<br>(88047594)  | LAMA300-56-Q<br>(88198117)  | 1       | 1    | 300               |
| ADR35<br>(88033637)    | KA31U<br>(88047595)  | LAMA350-38-Q<br>(88198118)  | 1       | 1    | 350               |
| ADR50<br>(88033643)    | KA34U<br>(88047597)  | LAMA500-38-6<br>(88198119)  | 1       | 1    | 500               |
| ADR60<br>(88033647)    | KA36U<br>(88047598)  | LAMA600-38-6<br>(88198120)  | 1       | 1    | 600               |
| ADR80<br>(88033653)    | KA40U<br>(88047600)  | LAMA800-58-6<br>(88287654)  | 1       | 1    | 800               |
| ADR99<br>(88033659)    | KA44U<br>(88047602)  | LAMA1000-58-6<br>(91028309) | 1       | 1    | 1000              |
| ADR11-21<br>(88033627) | K2A25U<br>(88047537) | LAM2A1/0-14-6<br>(88198101) | 2       | 1    | 1/0               |
| ADR21-21<br>(88033630) | K2A26U<br>(88047538) | LAM2A2/0-14-6<br>(88198103) | 2       | 1    | 2/0               |
| ADR25-21<br>(88033632) | K2A29U<br>(88047539) | LAM2A250-38-6<br>(88198104) | 2       | 1    | 250               |
| ADR35-21<br>(88033638) | K2A31U<br>(88047541) | LAM2A350-12-6<br>(88198105) | 2       | 1    | 350               |
| ADR60-21<br>(88033649) | K2A36U<br>(88047542) | LAM2A600-12-6<br>(88198106) | 2       | 1    | 600               |
| ADR80-21<br>(88033655) | K2A40U<br>(88047544) | LAM2A800-58-6<br>(88198107) | 2       | 1    | 800               |
| ADR99-21<br>(88033661) | K2A44U<br>(88047546) | LAM1000-58-6<br>(88198102)  | 2       | 1    | 1000              |

### Universal Terminal

FCI Burndy®

For aluminum and copper conductors. These dual rated panelboard lugs are constructed from high strength aluminum alloy and electro tin-plated to provide low contact resistance. UL & CSA Listed.



| Mfg. No.  | Advanced ID     | Conductor Range        | Bolt Size      | Number of Conductors | Number of Bolt Holes | Material |
|-----------|-----------------|------------------------|----------------|----------------------|----------------------|----------|
| K11A30U   | <b>88047530</b> | #6 Stranded-300 kcmil  | $\frac{5}{16}$ | 2                    | 1                    | Aluminum |
| K11A34U-2 | <b>88047531</b> | 4/0 Stranded-500 kcmil | $\frac{1}{4}$  | 2                    | 2                    | Aluminum |
| K11A36U-2 | <b>88047532</b> | #2 Stranded-600 kcmil  | $\frac{3}{8}$  | 2                    | 2                    | Aluminum |
| K11A39U2  | <b>88047533</b> | 1/0 Stranded-750 kcmil | $\frac{3}{8}$  | 2                    | 2                    | Aluminum |
| K21A36U2  | <b>88047534</b> | #2 Stranded-600 kcmil  | $\frac{3}{8}$  | 3                    | 2                    | Aluminum |
| K22A36U-2 | <b>88047535</b> | #2 Stranded-600 kcmil  | $\frac{3}{8}$  | 4                    | 2                    | Aluminum |
| K22A39U2  | <b>88047536</b> | 1/0 Stranded-750 kcmil | $\frac{3}{8}$  | 4                    | 2                    | Aluminum |

### UNITAP™ Clear Insulated Multiple Tap Connectors

FCI Burndy®

Multi-Port Double Sided Entry. Tap connections are made quickly and easily with the UNITAP line of connectors. UL486B Listed. Dual rated AL9CU for any stranded copper or stranded aluminum application 600V, 90°C.



#### Features

- Clear Plastisol Covered AL6061-T6 Aluminum Body
- Clear Body Allows Visual Confirmation That Conductor Is Properly Installed
- Oxide Inhibitor Pre-Installed
- Range-Taking
- UL and CSA Listed

| Mfg. No.   | Advanced ID     | Number of Taps | Conductor Range |
|------------|-----------------|----------------|-----------------|
| BIBD4-2    | <b>99508569</b> | 2              | #14- #4         |
| BIBD4-3    | <b>99508570</b> | 3              | #14- #4         |
| BIBD4-4    | <b>99508571</b> | 4              | #14- #4         |
| BIBD2/0-2  | <b>99509089</b> | 2              | #14-2/0         |
| BIBD2/0-3  | <b>99508575</b> | 3              | #14-2/0         |
| BIBD2/0-4  | <b>99508576</b> | 4              | #14-2/0         |
| BIBD250-2  | <b>99527691</b> | 2              | #10-250         |
| BIBD250-3  | <b>97099135</b> | 3              | #10-250         |
| BIBD250-4  | <b>97099136</b> | 4              | #10-250         |
| BIBD250-5  | <b>97099137</b> | 5              | #10-250         |
| BIBD250-6  | <b>97099138</b> | 6              | #10-250         |
| BIBD350-2  | <b>99527720</b> | 2              | #10-350         |
| BIBD-350-3 | <b>97099139</b> | 3              | #10-350         |
| BIBD-350-4 | <b>97099141</b> | 4              | #10-350         |
| BIBD350-5  | <b>97099142</b> | 5              | #10-350         |
| BIBD-350-6 | <b>97099143</b> | 6              | #10-350         |
| BIBD350-8  | <b>99508584</b> | 8              | #10-350         |
| BIBD600-2  | <b>99527721</b> | 2              | #4-600          |
| BIBD600-3  | <b>99522805</b> | 3              | #4-600          |
| BIBD600-4  | <b>99522806</b> | 4              | #4-600          |
| BIBD600-5  | <b>99549700</b> | 5              | #4-600          |
| BIBD600-6  | <b>99527722</b> | 6              | #4-600          |
| BIBD600-8  | <b>99527723</b> | 14             | #4-600          |

Only one conductor per port allowed

## UNITAP™ Clear Insulated Multiple Tap Connectors

FCI Burndy®

Single-Sided Entry. Tap connections are made quickly and easily with the UNITAP line of connectors. UL486B Listed. Dual rated AL9CU for any stranded copper or stranded aluminum application 600V, 90°C.

### Features

- Clear Platisol Covered AL6061-T6 Aluminum Body
- Clear Body Allows Visual Confirmation That Conductor Is Properly Installed
- Oxide Inhibitor Pre-Installed
- Range-Taking
- UL and CSA Listed



| Mfg. No.  | Advanced ID | Number of Taps | Conductor Range |
|-----------|-------------|----------------|-----------------|
| BIBS4-3   | 99508585    | 3              | #14- #4         |
| BIBS4-4   | 97099146    | 4              | #14- #4         |
| BIBS2/0-3 | 99508589    | 3              | #14-2/0         |
| BIBS2/0-4 | 99508590    | 4              | #14-2/0         |
| BIBS250-3 | 99522807    | 3              | #10-250         |
| BIBS250-4 | 99522808    | 4              | #10-250         |
| BIBS350-3 | 97099148    | 3              | #10-350         |
| BIBS350-4 | 97099149    | 4              | #10-350         |
| BIBS600-3 | 99527925    | 3              | #4-600          |
| BIBS600-4 | 99527926    | 4              | #4-600          |

## UNITAP™ Clear Insulated Multiple Tap Connectors

FCI Burndy®

Taps and Offset Taps (2-port). Tap connections are made quickly and easily with the UNITAP line of connectors. UL486B Listed. Dual rated AL9CU for any stranded copper or stranded aluminum application 600V, 90°C.

### Features

- Clear Platisol Covered AL6061-T6 Aluminum Body
- Clear Body Allows Visual Confirmation That Conductor Is Properly Installed
- Oxide Inhibitor Pre-Installed
- Range-Taking
- UL and CSA Listed



| Mfg. No.                             | Advanced ID | Number of Taps | Conductor Range |
|--------------------------------------|-------------|----------------|-----------------|
| <b>Tap - One Sided Entry</b>         |             |                |                 |
| BIT-2/0                              | 97099127    | 2              | #14-2/0         |
| BIT-250                              | 97099129    | 2              | #10-250         |
| BIT-4                                | 97099125    | 2              | #14- #4         |
| BIT-350                              | 97114214    | 2              | #10-350         |
| BIT-600                              | 99522804    | 2              | #4-600          |
| <b>Tap Off-Set - Two Sided Entry</b> |             |                |                 |
| BITO-2/0                             | 97099128    | 2              | #14-2/0         |
| BITO-250                             | 97099130    | 2              | #10-250         |
| BITO-4                               | 97099126    | 2              | #14- #4         |
| BITO-350                             | 97190856    | 2              | #10-350         |
| BITO-600                             | 99527946    | 2              | #4-600          |

### Copper Split Bolt Connectors without Spacer

Blackburn® / FCI Burndy® / Panduit



| Blackburn           | Burndy SERVIT®       | Panduit                 | Tap Conductor Range | Main Conductor Range  | Maximum Wire Size |
|---------------------|----------------------|-------------------------|---------------------|-----------------------|-------------------|
| 9H<br>(88033604)    | KS90<br>(88047692)   | SBC9S-C<br>(88200976)   | #16 Stranded        | #12-#10 Stranded      | 10 Stranded       |
| 8H<br>(88033601)    | KS15<br>(88047650)   | SBC8-C<br>(88200975)    | #14 Stranded        | #10-#8 Stranded       | 8 Stranded        |
| 6H<br>(88033580)    | KS17<br>(88047653)   | SBC6S-C<br>(88200973)   | #14 Stranded        | #8- #6 Solid          | 6 Stranded        |
| 4H<br>(88033279)    | KS20<br>(88047657)   | SBC4-C<br>(88200971)    | #14 Stranded        | #8- #4 Solid          | 4 Sol.            |
| 3 H3<br>(88033267)  | KS20-3<br>(88047658) | SBC4-C<br>(88200971)    | #14 Stranded        | #8- #4 Solid          | 4 Sol.            |
| 2H<br>(88033171)    | KS22<br>(88047661)   | SBC2S-C<br>(88200968)   | #14 Stranded        | #6- #2 Solid          | 2 Sol.            |
| 1H<br>(88033086)    | KS23<br>(88047665)   | SBC1-C<br>(NSU)         | #14 Stranded        | #6- #2 Stranded       | 2 Stranded        |
| 10H<br>(88032691)   | KS25<br>(88047668)   | SBC2/0S-L<br>(88200966) | #14 Stranded        | #4- 1/0 Stranded      | 1/0 Stranded      |
| 20H<br>(88033115)   | KS26<br>(88047671)   | SBC3/0S-Q<br>(88200969) | #14 Stranded        | #2- 2/0 Stranded      | 2/0 Stranded      |
| 30H<br>(88033220)   | KS27<br>(88047674)   | SBC3/0S-Q<br>(88200969) | #8 Solid            | #1 Stranded-3/0 MCM   | 3/0 Stranded      |
| 40H<br>(88033272)   | KS29<br>(88047677)   | SBC250-Q<br>(88200967)  | #8 Stranded         | #1 Stranded-250 MCM   | 250 MCM           |
| 350M<br>(88033251)  | KS31<br>(88047680)   | SBC350-1<br>(88200970)  | 1/0 Stranded        | 1/0 Stranded- 350 MCM | 350 MCM           |
| 500M<br>(88033322)  | KS34<br>(88047683)   | SBC500-1<br>(88200972)  | 2/0 Stranded        | 2/0 Stranded- 500 MCM | 500 MCM           |
| 750M<br>(88033592)  | KS39<br>(88047686)   | SBC750-1<br>(88200974)  | 4/0 Stranded        | 4/0 Stranded- 750 MCM | 750 MCM           |
| 1000M<br>(88032680) | KS44<br>(88047689)   | SBC1000-1<br>(88200965) | 4/0 Stranded        | 300 - 1000 MCM        | 1000 MCM          |



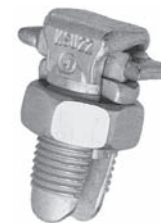
### Universal SERVIT®

FCI Burndy®

Tin-plated, high strength copper alloy SERVIT with spacer. Spacer separates dissimilar conductors and provides long contact length that prevents high pressure point contacts between run and tap conductors. UL 468A Copper Only.

#### Benefits

- For All Combinations of Copper, Aluminum, ACSR, AAAC, 5005, and Steel
- Use of PENETROX™ Joint Compound Recommended with Aluminum and ACSR
- Tin Plated



| Mfg. No. | Advanced ID              | Main Conductor Range      | Tap Conductor Range        |
|----------|--------------------------|---------------------------|----------------------------|
| KSU17    | <a href="#">88047719</a> | #12 Solid-#6 Solid.       | #12 Solid-#6 Solid         |
| KSU20    | <a href="#">88047722</a> | #10 Solid-#4 Solid        | #10 Solid-#4 Solid         |
| KSU22    | <a href="#">88047725</a> | #10 Solid-#2 Solid        | #10 Solid-#2 Solid         |
| KSU23    | <a href="#">88047728</a> | #8 Stranded-1/0 Stranded  | #8 Stranded- #2 Stranded   |
| KSU25    | <a href="#">88047731</a> | #2 Stranded-1/0 Stranded  | #10 Stranded- 1/0 Stranded |
| KSU26    | <a href="#">88047734</a> | 1/0 Stranded-2/0 Stranded | #8 Stranded-2/0 Stranded   |
| KSU27    | <a href="#">88047737</a> | #1 Stranded-3/0 Stranded  | #8 Solid-3/0 Stranded      |
| KSU29    | <a href="#">88047740</a> | #1 Stranded-250           | #8 Stranded-250 kcmil      |
| KSU31    | <a href="#">88047743</a> | 4/0 Stranded-350          | #4 Stranded- 350 kcmil     |
| KSU34    | <a href="#">88047746</a> | 400-500 kcmil             | #2 Stranded-500 kcmil      |

### OKLIP™

FCI Burndy®

KVS is a mechanical connector for copper and copperweld. KVS is a high strength, high copper alloy recommended for heavy duty connections. Neoprene rings hold DURIMUM™ bolts in place during installation.

#### Benefits

- Longer Preened Bolt Permits Swivel Action for Easier Installation
- UL & CSA Listed



| Mfg. No. | Advanced ID              | Conductor           |                    |  | Solid | Copperweld Strand | Type V |
|----------|--------------------------|---------------------|--------------------|--|-------|-------------------|--------|
|          |                          | Copper Run          | Copper Tap         |  |       |                   |        |
| KVS26    | <a href="#">88047749</a> | 2 STR. -2/0 STR.    | 6 SOL.-2/0 STR.    |  | 3/0   | 7 #8              | -      |
| KVS28    | <a href="#">88047751</a> | 1/0 STR. - 4/0 STR. | 10 STR. - 4/0 STR. |  | 4/0   | 7 #6              | V 3/0  |
| KVS31    | <a href="#">88047753</a> | 250 - 350 kcmil     | 10 STR. - 350      |  | -     | 19 #8             | V250   |
| KVS34    | <a href="#">88047755</a> | 400 - 500 kcmil     | 10 STR. - 500      |  | -     | 19 #6             | V350   |

### Universal OKLIP™

FCI Burndy®

The KVSU Universal connection for all combinations of copper, aluminum, ACSR, AAAC & 5005 is tin plated copper alloy two-piece connector with spacer and tin plated silicon bronze DURIMUM™ hardware.



#### Benefits

- Neoprene Ring Prevents Loss of Shorter Bolt During Installation
- Longer Preened Bolt Permits Swivel Action for Easier Installation
- Spacer on KVSU Separates Dissimilar Conductors and Provides Long Contact Length

| Mfg. No. | Advanced ID              | Conductor Range                              |
|----------|--------------------------|--|
| KVSU26   | <a href="#">88047761</a> | #2 Str. -2/0 Run, #6 Str. - 2/0 Tap Cu/Al    |
| KVSU28   | <a href="#">88047762</a> | 1/0 Str. -4/0 Run, #6 Str. - 4/0 Tap Cu/Al   |
| KVSU31   | <a href="#">88047763</a> | 250-350 kcmil Run, #6 - 350 kcmil Tap Cu/Al  |
| KVSU34   | <a href="#">88047764</a> | 400-500 kcmil Run, #4 - 500 kcmil Tap Cu/Al  |
| KVSU40   | <a href="#">88047765</a> | 400-800 kcmil Run, 4/0 - 800 kcmil Tap Cu/Al |

### INSUL-TAP™

FCI Burndy®

Insulated piercing connector. Unique design allows for use on hot-line applications, eliminating taping. UL468B listed, AL9CU rated.



#### Benefits

- Eliminates the Need for Conductor Insulation Stripping

| Mfg. No.    | Advanced ID              | Tap Conductor Size | Main Conductor Size | Max Voltage Rating |
|-------------|--------------------------|--------------------|---------------------|--------------------|
| BIPC1/02    | <a href="#">96092042</a> | 2 - 8 AWG          | 1/0 - 8 AWG         | 600V               |
| BIPC4/0-6   | <a href="#">96090917</a> | 1/0 - 6 AWG        | 4/0 - 1/0 AWG       | 300V               |
| BIPC4/0-1/0 | <a href="#">96092043</a> | 4/0 - 1/0 AWG      | 4/0 - 1/0 AWG       | 300V               |
| BIPC3504/0  | <a href="#">96090919</a> | 4/0 - 10 AWG       | 350 - 4/0 AWG       | 300V               |
| BIPC350-350 | <a href="#">96092044</a> | 350 - 4/0 AWG      | 350 - 4/0 AWG       | 300V               |
| BIPC5004/0  | <a href="#">96090920</a> | 4/0 - 4 AWG        | 500 - 350 AWG       | 600V               |

### Aluminum Split Bolt

Blackburn® / FCI Burndy® / Panduit



| Blackburn                            | Burndy                               | Panduit                                | Run Max  | Run Min  | Tap Max  | Tap Min |
|--------------------------------------|--------------------------------------|--|----------|----------|----------|---------|
| APS06<br><a href="#">(88033687)</a>  | KSA6<br><a href="#">(88047716)</a>   | SBA6-C<br><a href="#">(91007497)</a>   | 6 Str.   | 10 Sol   | 6 Str.   | 10 Sol  |
| APS04<br><a href="#">(88033686)</a>  | KSA4<br><a href="#">(88047707)</a>   | SBA4-C<br><a href="#">(91007498)</a>   | 4 Str.   | 8 Sol    | 4 Str.   | 10 Sol  |
| APS02<br><a href="#">(88033685)</a>  | KSA2<br><a href="#">(88047698)</a>   | SBA2-C<br><a href="#">(91007499)</a>   | 2 Str.   | 6 Sol    | 2 Str.   | 8 Str.  |
| APS11<br><a href="#">(88033688)</a>  | KSA1/0<br><a href="#">(88047695)</a> | SBA1/0-Q<br><a href="#">(98296410)</a> | 1/0 Str. | 2 Comp   | 1/0 Str. | 8 Sol   |
| APS21<br><a href="#">(88033689)</a>  | KSA2/0<br><a href="#">(88047699)</a> | SBA2/0-Q<br><a href="#">(91007500)</a> | 2/0 Str. | 2 Comp   | 2/0 Str. | 8 Str.  |
| APS41<br><a href="#">(88033690)</a>  | KSA4/0<br><a href="#">(88047708)</a> | SBA4/0-Q<br><a href="#">(91007501)</a> | 4/0 Str. | 2 Comp   | 4/0 Str. | 6 Str.  |
| APS350<br><a href="#">(92048838)</a> | KSA350<br><a href="#">(88047704)</a> | SBA350-1<br><a href="#">(91007503)</a> | 350 MCM  | 1/0 Comp | 350 MCM  | 4 Str.  |
| APS500<br><a href="#">(91007069)</a> | KSA500<br><a href="#">(88047713)</a> | SBA500-1<br><a href="#">(91007504)</a> | 500 MCM  | 400 Comp | 500 MCM  | 2 Comp  |

## Direct Burial UNITAP™ THE MOLE™

FCI Burndy®

In-line splice/reductions are made quickly and easily with the MOLE line of connectors. UL486B Listed. Dual rated AL9CU for any stranded copper or stranded aluminum application 600V, 90°C.



### Benefits

- Inhibits Moisture and Contaminants from Entering Contact Area
- Saves Time, Requires No Taping or Heat Shrink

### Features

- PENETROX™ Oxide Inhibitor Pre-Installed

| Mfg. No.   | Advanced ID              | Conductor Range      | Number of Screws |
|------------|--------------------------|----------------------|------------------|
| BISR4-DB   | <a href="#">25014418</a> | #6- #4 AWG           | 2                |
| BISR1-DB   | <a href="#">25014421</a> | #2- #1 AWG           | 2                |
| BISR3/0-DB | <a href="#">25014424</a> | 1/0-3/0 AWG          | 2                |
| BISR250-DB | <a href="#">25014427</a> | 4/0 str. - 250 kcmil | 2                |

## Dual Rated Splicer / Reducer TYPE AMS

FCI Burndy®

For use with copper and aluminum cable. Constructed from high strength, tin plated aluminum. PENETROX™ oxide inhibiting joint compounds are recommended for all aluminum applications.



### Features

- All Conductors Are Tin Plated
- Connectors Feature Rounded Bottoms
- Solid Center Barrier
- Large Screw Diameters
- Large Cable Ranges

| Mfg. No. | Advanced ID              | Conductor Range | Number of Screws |
|----------|--------------------------|-----------------|------------------|
| AMS-2    | <a href="#">92042434</a> | #2 - #14        | 2                |
| AMS-0    | <a href="#">92042435</a> | 1/0 - #14       | 2                |
| AMS-4/0  | <a href="#">92042436</a> | 4/0 - # 6       | 2                |
| AMS-250  | <a href="#">92042437</a> | 250 - #6        | 4                |
| AMS-350  | <a href="#">92042443</a> | 350 - #6        | 4                |
| AMS-500  | <a href="#">92042444</a> | 500 - 3/0       | 4                |
| AMS-750  | <a href="#">92057014</a> | 750 - 250       | 4                |
| AMS-1000 | <a href="#">92132539</a> | 1000 - 500      | 6                |

## UNITAP™ Clear Insulated Splicer / Reducer

FCI Burndy®

In-line splice/reductions are made quickly and easily with the UNITAP line of connectors. UL486B Listed. Dual rated AL9CU for any stranded copper or stranded aluminum application 600V, 90°C.



### Benefits

- Clear Plastisol Covered AL6061-T6 Aluminum Body
- Clear Body Allows Visual Confirmation That Conductor is Properly Installed
- Oxide Inhibitor Pre-Installed
- UL and CSA Listed

| Mfg. No. | Advanced ID              | Conductor Range | Number of Screws |
|----------|--------------------------|-----------------|------------------|
| BISR2    | <a href="#">99509088</a> | #14- #2         | 2                |
| BISR-1/0 | <a href="#">97099132</a> | #14-1/0         | 2                |
| BISR-250 | <a href="#">97099151</a> | #10-250         | 2                |
| BISR350  | <a href="#">97099133</a> | #10-350         | 2                |
| BISR-500 | <a href="#">97099152</a> | #6-500          | 2                |

## Watertight / Underground Splice Kits

FCI Burndy®

UGS Watertight splice kits consist of AMS splice/reducer and two heavy wall heat-shrink sleeves. Dual rated for use with aluminum and copper conductors and are constructed from high strength, tin plated aluminum that provides low contact resistance and reduces the effects of galvanic corrosion. The sleeves are lined with adhesive material providing a watertight splice that can withstand abrasions that may occur during direct burial applications. Heat shrink sleeve installed with standard propane torch, or electric heat gun.



| Mfg. No.  | Advanced ID              | Conductor Range | Number of Screws |
|-----------|--------------------------|-----------------|------------------|
| UGSKIT2   | <a href="#">22006905</a> | #2 - #8         | 2                |
| UGSKIT250 | <a href="#">22006906</a> | 250 - #1        | 4                |

## Watertight / Underground UF Splice Kits

FCI Burndy®

UGS UF Watertight splice kits consist of UF splice connector and a heavy wall heat-shrink sleeve. The UF splice connector can accommodate up to four UF conductors. Heat shrink sleeve installed with standard propane torch, or electric heat gun.



| Mfg. No. | Advanced ID              | Conductor Range | Number of Screws |
|----------|--------------------------|-----------------|------------------|
| UGSKIT8  | <a href="#">22006904</a> | #8 - #14        | 2                |

### HYLUG™ One-Hole, Code Conductor, Long Barrel

FCI Burndy®

Uninsulated copper compression terminal. No inspection window. UL Listed.

#### Benefits

- Die and Color Code Information
- Beveled Entry
- Electro-Tin Plated



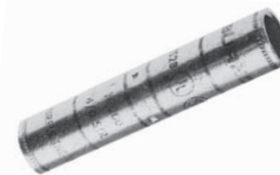
| Mfg. No.  | Advanced ID     | Stud Size | Die Code | Conductor Size | Color Code |
|-----------|-----------------|-----------|----------|----------------|------------|
| YA8C-TC14 | <b>91008103</b> | 1/4       | 49       | #8/#6 Solid    | Red        |
| YA6C      | <b>88048657</b> | 1/4       | 7        | #6             | Blue       |
| YA4C      | <b>88048645</b> | 1/4       | 8        | #4             | Gray       |
| YA3C      | <b>88048632</b> | 5/16      | 9        | #3/#2 Solid    | White      |
| YA2C      | <b>88048582</b> | 5/16      | 10       | #2             | Brown      |
| YA1C      | <b>88048527</b> | 5/16      | 11       | #1             | Green      |
| YA25      | <b>88048536</b> | 5/16      | 12       | 1/0            | Pink       |
| YA26      | <b>88048549</b> | 3/8       | 13       | 2/0            | Black      |
| YA27      | <b>88048557</b> | 1/2       | 14       | 3/0            | Orange     |
| YA28      | <b>88048566</b> | 1/2       | 15       | 4/0            | Purple     |
| YA29      | <b>88048575</b> | 1/2       | 16       | 250            | Yellow     |
| YA30      | <b>88048592</b> | 1/2       | 17       | 300            | White      |
| YA31      | <b>88048600</b> | 1/2       | 18       | 350            | Red        |
| YA32      | <b>88048606</b> | 5/8       | 19       | 400            | Blue       |
| YA34      | <b>88048612</b> | 5/8       | 20       | 500            | Brown      |
| YA36      | <b>88048618</b> | 5/8       | 22       | 600            | Green      |
| YA39      | <b>88048624</b> | 5/8       | 24       | 750            | Black      |
| YA44      | <b>88048634</b> | 5/8       | 25       | 1000           | Orange     |

### Copper Splices

FCI Burndy®/ Thomas & Betts



Standard Barrel



Long Barrel

| Conductor | Standard Barrel        |                      | Long Barrel<br>Burndy |
|-----------|------------------------|----------------------|-----------------------|
|           | Burndy                 | Thomas & Betts       |                       |
| 8         | YS8CLBOX<br>(90013329) | 54504<br>(88264874)  | YS8C<br>(91008104)    |
| 6         | YS6CLBOX<br>(88049190) | 54505<br>(88264876)  | YS6C<br>(88049189)    |
| 4         | YS4CLBOX<br>(88049185) | 54506<br>(88264878)  | YS4C<br>(88049184)    |
| 3/2Sol    | YS3CLBOX<br>(88049177) | -<br>-               | YS3C<br>(88049184)    |
| 2         | YS2CLBOX<br>(88049149) | 54507<br>(88264880)  | YS2C<br>(88049148)    |
| 1         | YS1CLBOX<br>(88049117) | 54508<br>(880264882) | YS1C<br>(88049116)    |
| 1/0       | YS25LBOX<br>(88049120) | 54509<br>(88264884)  | YS25<br>(88049119)    |
| 2/0       | YS26LBOX<br>(88049127) | 54510<br>(88264886)  | YS26<br>(88049126)    |
| 3/0       | YS27LBOX<br>(88049133) | 54511<br>(88264888)  | YS27<br>(88049132)    |
| 4/0       | YS28LBOX<br>(88049138) | 54512<br>(88264889)  | YS28<br>(88049137)    |
| 250       | YS29BOX<br>(88049144)  | 54513<br>(88264890)  | YS29<br>(88049143)    |
| 300       | YS30L<br>(88049153)    | 54514<br>(88264891)  | YS30<br>(88049152)    |
| 350       | YS31L<br>(88049156)    | 54515<br>(88264892)  | YS31<br>(880491255)   |
| 400       | YS32L<br>(88049160)    | 54516<br>(88264893)  | YS32<br>(88049159)    |
| 500       | YS34L<br>(88049163)    | 54518<br>(88264894)  | YS34<br>(88049162)    |
| 600       | YS36L<br>(88049168)    | 54520<br>(88264895)  | YS36<br>(88049167)    |
| 750       | YS39L<br>(88049171)    | -<br>-               | YS39<br>(88049170)    |
| 1000      | YS44L<br>(88049179)    | -<br>-               | YS44<br>(88049178)    |

### Straight Compression Lugs - Aluminum - One-Hole

Blackburn® / FCI Burndy® / Panduit / Thomas & Betts



| Cable Size | Bolt Size | Blackburn |                 | Burndy   |                 | Panduit      |                 | Thomas & Betts |                 |
|------------|-----------|-----------|-----------------|----------|-----------------|--------------|-----------------|----------------|-----------------|
|            |           | Mfg. No.  | Advanced ID     | Mfg. No. | Advanced ID     | Mfg. No.     | Advanced ID     | Mfg. No.       | Advanced ID     |
| 8          | 10        | ATL8-10   | <b>88033756</b> | YA8CA1   | <b>88048667</b> | -            | -               | 60101-TB       | <b>88265023</b> |
|            | 1/4       | ATL8-14   | <b>88033757</b> | YA8CA3   | <b>88048668</b> | -            | -               | 60102-TB       | <b>88265024</b> |
| 6          | 10        | ATL6-10   | <b>88033750</b> | -        | -               | -            | -               | 60106-TB       | <b>88265027</b> |
|            | 1/4       | ATL6-14   | <b>88033751</b> | YA6CA-1  | <b>88048665</b> | LAA6-14-X    | <b>88198085</b> | 60107-TB       | <b>88265028</b> |
| 4          | 5/16      | -         | -               | -        | -               | LAA6-56-X    | <b>88198086</b> | 60108-TB       | <b>88265029</b> |
|            | 3/8       | ATL6-38   | <b>88033752</b> | YA6CA3   | <b>88048666</b> | -            | -               | 60109-TB       | <b>88265030</b> |
|            | 1/4       | ATL4-14   | <b>88033740</b> | YA4CA-1  | <b>88048654</b> | LAA4-14-X    | <b>88198077</b> | 60112-TB       | <b>88265032</b> |
|            | 5/16      | ATL4-516  | <b>88033742</b> | YA4CA3   | <b>88048655</b> | LAA4-56-X    | <b>88198079</b> | 60113-TB       | <b>88265033</b> |
| 2          | 3/8       | ATL4-38   | <b>88033741</b> | YA4CA6   | <b>88048656</b> | LAA4-38-X    | <b>88198078</b> | 60114-TB       | <b>88265034</b> |
|            | 1/4       | ATL2-14   | <b>88033725</b> | YA2CA5   | <b>99446721</b> | LAA2-14-X    | <b>88198065</b> | 60116-TB       | <b>88265035</b> |
|            | 5/16      | ATL2-516  | <b>88033727</b> | YA2CA1   | <b>88048590</b> | LAA2-56-X    | <b>88198067</b> | 60117-TB       | <b>88265036</b> |
| 1          | 3/8       | ATL2-38   | <b>88033726</b> | YA2CA3   | <b>88048591</b> | LAA2-38-X    | <b>88198066</b> | 60118-TB       | <b>88265037</b> |
|            | 1/2       | -         | -               | YA2CA9   | <b>98390599</b> | -            | -               | 60120          | <b>88265039</b> |
|            | 1/4       | -         | -               | YA1CA3   | -               | LAA1-14-X    | <b>88198058</b> | 60122          | <b>88265040</b> |
|            | 5/16      | ATL1-516  | <b>88033718</b> | -        | -               | LAA1-56-X    | <b>88198060</b> | 60123          | <b>88265041</b> |
| 1/0        | 3/8       | ATL1-38   | <b>88033717</b> | YA1CA1   | <b>88048535</b> | LAA1-38-X    | <b>88198059</b> | 60124          | <b>88265042</b> |
|            | 1/2       | -         | -               | -        | -               | -            | -               | 60126          | <b>88265043</b> |
|            | 1/4       | -         | -               | -        | -               | -            | -               | 60128          | <b>88265044</b> |
|            | 5/16      | ATL10-516 | <b>88033721</b> | YA25A1   | <b>88048544</b> | LAA1/0-56-X  | <b>88198063</b> | 60129          | <b>88265045</b> |
| 2/0        | 3/8       | ATL10-38  | <b>88033720</b> | YA25A3   | <b>88048545</b> | LAA1/0-38-X  | <b>88198062</b> | 60130          | <b>88265047</b> |
|            | 1/2       | ATL10-12  | <b>88033719</b> | YA25A9   | <b>88048548</b> | LAA1/0-12-X  | <b>88198061</b> | 60132          | <b>88265048</b> |
|            | 1/4       | -         | -               | -        | -               | -            | -               | 60134          | <b>88265049</b> |
| 3/0        | 5/16      | -         | -               | -        | -               | -            | -               | 60135          | <b>88265050</b> |
|            | 3/8       | ATL20-38  | <b>88033729</b> | YA26A6   | <b>88048556</b> | LAA2/0-38-5  | <b>88198069</b> | 60136          | <b>88265051</b> |
|            | 1/2       | ATL20-12  | <b>88033728</b> | YA26A1   | <b>88048554</b> | LAA2/0-12-5  | <b>88198068</b> | 60138          | <b>88265052</b> |
|            | 5/16      | -         | -               | -        | -               | -            | -               | 60141          | <b>88265055</b> |
| 4/0        | 3/8       | ATL30-38  | <b>88033734</b> | YA27A1   | <b>88048563</b> | LAA3/0-38-5  | <b>88198073</b> | 60142          | <b>88265056</b> |
|            | 1/2       | ATL30-12  | <b>88033733</b> | YA27A3   | <b>88048564</b> | LAA3/0-12-5  | <b>88198072</b> | 60144          | <b>88265057</b> |
|            | 5/16      | -         | -               | -        | -               | -            | -               | 60147          | <b>88265058</b> |
| 250        | 3/8       | ATL40-38  | <b>88033744</b> | YA28A1   | <b>88048572</b> | LAA4/0-38-5  | <b>88198081</b> | 60148          | <b>88265059</b> |
|            | 1/2       | ATL40-12  | <b>88033743</b> | YA28A3   | <b>88048573</b> | LAA4/0-12-5  | <b>88198080</b> | 60150          | <b>88265061</b> |
|            | 5/8       | -         | -               | -        | -               | -            | -               | 60151          | <b>88265062</b> |
|            | 3/8       | -         | -               | -        | -               | LAA250-38-5  | <b>88198071</b> | 60154          | <b>88265063</b> |
| 300        | 1/2       | ATL250-12 | <b>88033731</b> | YA29A1   | <b>88048580</b> | LAA250-12-5  | <b>88198070</b> | 60156          | <b>88265064</b> |
|            | 5/8       | -         | -               | -        | -               | -            | -               | 60157          | <b>88265065</b> |
|            | 3/8       | ATL300-38 | <b>88033736</b> | YA30A6   | <b>88048599</b> | LAA300-38-2  | <b>88198075</b> | 60160          | <b>88265068</b> |
| 350        | 1/2       | ATL300-12 | <b>88033735</b> | YA30A1   | <b>88048597</b> | LAA300-12-2  | <b>88198074</b> | 60162          | <b>88265069</b> |
|            | 5/8       | -         | -               | -        | -               | -            | -               | -              | -               |
|            | 1/2       | ATL350-12 | <b>88033738</b> | YA31A1   | <b>88048604</b> | LAA350-12-2  | <b>88198076</b> | 60165          | <b>88265070</b> |
| 400        | 5/8       | -         | -               | -        | -               | -            | -               | 60166          | <b>88265071</b> |
|            | 1/2       | -         | -               | YA32A6   | -               | -            | -               | 60168          | <b>88265072</b> |
| 500        | 5/8       | ATL400-58 | <b>88033745</b> | YA32A1   | <b>88048610</b> | LAA400-58-2  | <b>88198082</b> | -              | -               |
|            | 1/2       | ATL500-12 | <b>88033747</b> | -        | -               | LAA500-12-2  | <b>88198083</b> | 60171          | <b>88265074</b> |
| 600        | 5/8       | ATL500-58 | <b>88033748</b> | YA34A1   | <b>88048616</b> | LAA500-58-2  | <b>88198084</b> | 60172          | <b>88265075</b> |
|            | 5/8       | -         | -               | YA36A1   | <b>88048622</b> | -            | -               | 60174          | <b>88265076</b> |
| 750        | 5/8       | -         | -               | YA39A1   | <b>88048628</b> | LAA750-58-1  | <b>88198087</b> | 60178          | <b>88265078</b> |
|            | 5/8       | ATL750-58 | <b>88033754</b> | YA44A1   | <b>88048638</b> | LAA1000-58-1 | <b>88198064</b> | 60184          | <b>88265079</b> |



### Straight Compression Lugs - Copper - One-Hole - Standard Barrel

Blackburn® / FCI Burndy® / Panduit / Thomas & Betts



| Cable Size | Bolt Size | Blackburn  |                 | Burndy      |                 | Panduit     |                 | Thomas & Betts |                 |
|------------|-----------|------------|-----------------|-------------|-----------------|-------------|-----------------|----------------|-----------------|
|            |           | Mfg. No.   | Advanced ID     | Mfg. No.    | Advanced ID     | Mfg. No.    | Advanced ID     | Mfg. No.       | Advanced ID     |
| 8          | 10        | CTL8-10    | <b>88034005</b> | YA8CLBOX    | <b>90065888</b> | LCA8-10-L   | <b>88198171</b> | 54104          | <b>88264759</b> |
|            | 1/4       | CTL8-14    | <b>88034006</b> | YA8C-L1-BOX | <b>89089235</b> | LCA8-14-L   | <b>88198172</b> | 54130          | <b>88264786</b> |
|            | 5/16      | CTL8-516   | <b>88034007</b> | YA8C-L2-BOX | <b>90011020</b> | LCA8-56-L   | <b>88198174</b> | 54131          | <b>88264787</b> |
| 6          | 3/8       | -          | -               | YA8C-L3-BOX | <b>90086279</b> | LCA8-38-L   | <b>88198173</b> | 54132          | <b>88264788</b> |
|            | 10        | CTL6-10    | <b>88033996</b> | YA6C-L1-BOX | <b>88048662</b> | LCA6-10-L   | <b>88198165</b> | 54134          | <b>88264789</b> |
|            | 1/4       | CTL6-14    | <b>88033997</b> | YA6C-L-BOX  | <b>88048661</b> | LCA6-14-L   | <b>88198166</b> | 54105          | <b>88264761</b> |
| 4          | 5/16      | CTL6-516   | <b>88033999</b> | YA6C-L3-BOX | <b>88048663</b> | LCA6-56-L   | <b>88198168</b> | 54135          | <b>88264790</b> |
|            | 3/8       | CTL6-38    | <b>88033998</b> | YA6C-L4-BOX | <b>88048664</b> | LCA6-38-L   | <b>88198167</b> | 54136          | <b>88264791</b> |
|            | 10        | CTL4-10    | <b>88033980</b> | YA4C-L1-BOX | <b>88048650</b> | LCA4-10-L   | <b>88198153</b> | 54138          | <b>88264792</b> |
| 2          | 1/4       | CTL4-14    | <b>88033981</b> | YA4C-L-BOX  | <b>88048649</b> | LCA4-14-L   | <b>88198154</b> | 54106          | <b>88264763</b> |
|            | 5/16      | CTL4-516   | <b>88033983</b> | YA4C-L3-BOX | <b>88048651</b> | LCA4-56-L   | <b>88198156</b> | 54139          | <b>88264793</b> |
|            | 3/8       | CTL4-38    | <b>88033985</b> | YA4C-L4-BOX | <b>88048652</b> | LCA4-38-L   | <b>88198155</b> | 54140          | <b>88264794</b> |
| 1          | 1/4       | CTL2-14    | <b>88033960</b> | YA2C-L2-BOX | <b>88048587</b> | LCA2-14-Q   | <b>88198132</b> | 54107          | <b>88264765</b> |
|            | 5/16      | CTL2-516   | <b>88033963</b> | YA2C-L-BOX  | <b>88048586</b> | LCA2-56-Q   | <b>88198134</b> | 54142          | -               |
|            | 3/8       | CTL2-38    | <b>88033962</b> | YA2C-L4-BOX | <b>88048588</b> | LCA2-38-Q   | <b>88198133</b> | 54143          | -               |
| 1/0        | 1/2       | CTL2-12    | <b>88033959</b> | YA2C-L6-BOX | <b>88048589</b> | LCA2-12-Q   | <b>88198131</b> | 54145          | -               |
|            | 1/4       | CTL1-14    | <b>88033949</b> | YA1C-L2     | <b>89051097</b> | LCA1-14-E   | <b>88198124</b> | 54108          | <b>88264767</b> |
|            | 5/16      | CTL1-516   | <b>88033951</b> | YA1C-L-BOX  | <b>88048531</b> | LCA1-56-E   | <b>88198126</b> | 54147          | <b>88264798</b> |
| 2/0        | 3/8       | CTL1-38    | <b>88033950</b> | YA1C-L4-BOX | <b>88048532</b> | LCA1-38-E   | <b>88198125</b> | 54148          | <b>88264799</b> |
|            | 1/2       | CTL1-12    | <b>88033948</b> | YA1C-L6-BOX | <b>88048533</b> | LCA1-12-E   | <b>88198123</b> | 54150          | <b>88264800</b> |
|            | 1/4       | -          | -               | YA25-L2     | <b>89089229</b> | LCA1/0-14-X | <b>88198128</b> | 54152          | -               |
| 3/0        | 5/16      | CTL10-516  | <b>88033954</b> | YA25-L-BOX  | <b>88048540</b> | LCA1/0-56-X | <b>88198130</b> | 54153          | -               |
|            | 3/8       | CTL10-38   | <b>88033953</b> | YA25-L4-BOX | <b>88048541</b> | LCA1/0-38-X | <b>88198129</b> | 54109          | <b>88264769</b> |
|            | 1/2       | CTL10-12   | <b>88033952</b> | YA25-L6-BOX | <b>88048542</b> | LCA1/0-12-X | <b>88198127</b> | 54155          | -               |
| 4/0        | 1/4       | -          | -               | YA26-L2     | <b>90057330</b> | LCA2/0-14-X | <b>88198136</b> | 54157          | <b>88264804</b> |
|            | 5/16      | -          | -               | YA26-L3     | <b>90078425</b> | LCA2/0-56-X | <b>88198138</b> | 54158          | <b>88264805</b> |
|            | 3/8       | CTL20-38   | <b>88033965</b> | YA26-L-BOX  | <b>88048552</b> | LCA2/0-38-X | <b>88198137</b> | 54110          | <b>88264771</b> |
| 250        | 1/2       | CTL20-12   | <b>88033964</b> | YA26-L6-BOX | <b>88048553</b> | LCA2/0-12-X | <b>88198135</b> | 54160          | <b>88264806</b> |
|            | 1/4       | -          | -               | YA27-L2     | <b>92132541</b> | LCA3/0-14-X | <b>88198144</b> | 54162          | -               |
|            | 5/16      | -          | -               | YA27-L3     | <b>91027641</b> | LCA3/0-56-X | <b>88198146</b> | 54163          | -               |
| 300        | 3/8       | CTL30-38   | <b>88033973</b> | YA27-L4-BOX | <b>88048561</b> | LCA3/0-38-X | <b>88198145</b> | 54111          | <b>88264773</b> |
|            | 1/2       | CTL30-12   | <b>88033972</b> | YA27-L-BOX  | <b>88048560</b> | LCA3/0-12-X | <b>88198143</b> | 54165          | -               |
|            | 1/4       | -          | -               | YA28-L2     | <b>90013302</b> | LCA4/0-14-X | <b>88198158</b> | 54167          | <b>88264810</b> |
| 350        | 5/16      | -          | -               | YA28-L3     | <b>90065885</b> | LCA4/0-56-X | <b>88198160</b> | 54168          | <b>88264811</b> |
|            | 3/8       | CTL40-38   | <b>88033985</b> | YA28-L4-BOX | <b>88048570</b> | LCA4/0-38-X | <b>88198159</b> | 54112          | <b>88264774</b> |
|            | 1/2       | CTL40-12   | <b>88033984</b> | YA28-L-BOX  | <b>88048569</b> | LCA4/0-12-X | <b>88198157</b> | 54170          | <b>88264812</b> |
| 400        | 1/4       | -          | -               | YA29-L2     | <b>91027639</b> | LCA250-14-X | <b>88198140</b> | 54172          | -               |
|            | 5/16      | -          | -               | YA29-L3     | -               | LCA250-56-X | <b>88198142</b> | 54173          | <b>88264814</b> |
|            | 3/8       | -          | -               | YA29-L4     | <b>91027640</b> | LCA250-38-X | <b>88198141</b> | 54174          | <b>88264815</b> |
| 500        | 1/2       | CTL250-12  | <b>88033968</b> | YA29-L-BOX  | <b>88048578</b> | LCA250-12-X | <b>88198139</b> | 54113          | <b>88264775</b> |
|            | 5/16      | -          | -               | YA30-L1     | <b>91027643</b> | LCA300-56-X | <b>88198149</b> | 54178          | <b>88264816</b> |
|            | 3/8       | -          | -               | YA30-L24    | <b>91027645</b> | LCA300-38-X | <b>88198148</b> | 54179          | <b>88264817</b> |
| 600        | 1/2       | CTL300-12  | <b>88033974</b> | YA30-L      | <b>88048595</b> | LCA300-12-X | <b>88198147</b> | 54114          | <b>88264776</b> |
|            | 5/8       | -          | -               | YA30-L7     | <b>91027644</b> | -           | -               | 54181          | <b>88264818</b> |
|            | 3/8       | -          | -               | YA31-L11    | <b>90086266</b> | -           | -               | -              | -               |
| 800        | 1/2       | CTL350-12  | <b>88033977</b> | YA31-L      | <b>88048603</b> | LCA350-12-X | <b>88198151</b> | 54115          | <b>88264777</b> |
|            | 5/8       | -          | -               | YA31-L7     | <b>90086267</b> | LCA350-58-X | <b>88198152</b> | 54183          | <b>88264819</b> |
|            | 1/2       | -          | -               | YA32-L1     | <b>89079190</b> | LCA400-12-6 | <b>88198161</b> | 54116          | <b>88264778</b> |
| 1000       | 5/8       | CTL400-58  | <b>88033987</b> | YA32-L      | <b>88048609</b> | LCA400-58-6 | <b>88198162</b> | 54185          | <b>88264820</b> |
|            | 1/2       | -          | -               | YA34-L6     | <b>88313374</b> | LCA500-12-6 | <b>88198163</b> | 54118          | <b>88264779</b> |
|            | 5/8       | CTL500-58  | <b>88033993</b> | YA34-L      | <b>88048615</b> | LCA500-58-6 | <b>88198164</b> | 54187          | <b>88264821</b> |
| 1200       | 5/8       | CTL600-58  | <b>88034000</b> | YA36-L      | <b>88048621</b> | LCA600-58-6 | <b>88198170</b> | 54120          | <b>88264780</b> |
|            | 5/8       | CTL750-58  | <b>88034003</b> | YA39-L      | <b>88048627</b> | -           | -               | 54123          | -               |
|            | 5/8       | CTL1000-58 | <b>88033955</b> | YA44-L      | <b>88048637</b> | -           | -               | 54128          | <b>88264785</b> |

### Straight Compression Lugs - Copper - Two-Hole - Long Barrel

Blackburn® / FCI Burndy® / Panduit / Thomas & Betts



| Cable Size | Bolt Size | Spacing | Blackburn |                 | Burndy    |                 | Panduit        |                 | Thomas & Betts |                 |
|------------|-----------|---------|-----------|-----------------|-----------|-----------------|----------------|-----------------|----------------|-----------------|
|            |           |         | Mfg. No.  | Advanced ID     | Mfg. No.  | Advanced ID     | Mfg. No.       | Advanced ID     | Mfg. No.       | Advanced ID     |
| 8          | 1/4       | 5/8"    | LCN8-14   | -               | YA8C2TC14 | <b>91011038</b> | LCC8-14A-L     | -               | 54850BE        | <b>88264940</b> |
| 6          | 1/4       | 5/8"    | LCN8-14   | -               | YA6C2TC14 | <b>91011019</b> | LCC6-14A-L     | <b>95031596</b> | 54852BE        | <b>88264941</b> |
|            | 3/8       | 1"      | -         | -               | YA6C2TC38 | <b>91011021</b> | LCC6-38D-L     | <b>96056422</b> | 256-30695-1158 | <b>89030371</b> |
| 4          | 1/2       | 1 3/4"  | LCN4-12   | -               | YA4C2N    | <b>88048648</b> | LCC4-12-L      | -               | 256-30695-733  | <b>97215544</b> |
| 2          | 1/4       | 5/8"    | -         | -               | YA2C2TC14 | <b>91011025</b> | LCC2-14A-Q     | <b>95015023</b> | 54855BE        | <b>96016418</b> |
|            | 3/8       | 1"      | -         | -               | YA2C2TC38 | <b>91011027</b> | LCC2-38D-Q     | <b>97202248</b> | 256-30695-1160 | <b>89030369</b> |
| 1          | 1/2       | 1 3/4"  | LCN2-12   | <b>91009108</b> | YA2C2N    | <b>88048585</b> | LCC2-12-Q      | <b>88287656</b> | 54811BE        | <b>97215547</b> |
|            | 1/2       | 1 3/4"  | LCN1-12   | <b>91009109</b> | YA1C2N    | <b>88048530</b> | LCC1-12-E      | -               | 54857BE        | <b>98411143</b> |
| 1/0        | 3/8       | 1"      | LCN10-38  | -               | YA252TC38 | <b>91011031</b> | LCC1/0 - 38D-X | <b>96066434</b> | 256-30695-1162 | <b>89030368</b> |
| 2/0        | 1/2       | 1 3/4"  | LCN10-12  | -               | YA252N    | <b>88048539</b> | LCC1/0-12-X    | <b>88198200</b> | 256-30695-593  | <b>96085720</b> |
|            | 3/8       | 1"      | LCN20-38  | <b>88034317</b> | YA262TC38 | <b>91011033</b> | LCC2/0-38D-X   | <b>96013490</b> | 256-30695-1116 | <b>92052209</b> |
| 3/0        | 1/2       | 1 3/4"  | LCN20-12  | -               | YA262N    | <b>88048551</b> | LCC2/0-12-X    | <b>88198203</b> | 54862BE        | <b>88264946</b> |
|            | 3/8       | 1"      | LCN30-38  | <b>88034319</b> | YA272TC38 | <b>93145603</b> | LCC3/0-38D-X   | <b>96070915</b> | 54816BE        | <b>98306213</b> |
| 4/0        | 1/2       | 1 3/4"  | LCN30-12  | -               | YA272N    | <b>88048559</b> | LCC3/0-12-X    | <b>88198205</b> | 54864BE        | <b>88264947</b> |
|            | 3/8       | 1"      | LCN40-38  | <b>88034322</b> | YA282TC38 | <b>90078817</b> | LCC4/0-12-X    | <b>88198210</b> | 256-30695-1117 | <b>89039681</b> |
| 250        | 1/2       | 1 3/4"  | LCN40-12  | -               | YA282N    | <b>88048568</b> | LCC4/0-38D-X   | <b>99419024</b> | 54866BE        | <b>88264948</b> |
|            | 1/2       | 1 3/4"  | LCN250-12 | <b>88034318</b> | YA292N    | <b>88048577</b> | LCC4/0-12-X    | <b>88198210</b> | 54868BE        | <b>88264949</b> |
| 300        | 1/2       | 1 3/4"  | LCN300-12 | <b>89032355</b> | YA302N    | <b>88048594</b> | LCC250-12-X    | <b>88198204</b> | 54870BE        | <b>88264950</b> |
| 350        | 1/2       | 1 3/4"  | LCN350-12 | <b>88034320</b> | YA312N    | <b>88048602</b> | LCC300-12-X    | <b>88198206</b> | 54872BE        | <b>88264951</b> |
| 400        | 1/2       | 1 3/4"  | LCN400-12 | <b>89032356</b> | YA322N    | <b>88048608</b> | LCC350-12-X    | <b>88198207</b> | 54874BE        | <b>88264952</b> |
| 500        | 1/2       | 1 3/4"  | LCN500-12 | <b>88034323</b> | YA342N    | <b>88048614</b> | LCC400-12-6    | -               | 54876BE        | <b>88264953</b> |
| 600        | 1/2       | 1 3/4"  | LCN600-12 | <b>89032357</b> | YA362N    | <b>88048620</b> | LCC500-12-6    | <b>88198212</b> | 54878BE        | <b>88264954</b> |
| 700        | 1/2       | 1 3/4"  | -         | -               | YA382N    | <b>98318372</b> | -              | -               | -              | -               |
| 750        | 1/2       | 1 3/4"  | LCN75-12  | <b>88034324</b> | YA392N    | <b>88048626</b> | LCC750-12-6    | -               | 54880BE        | <b>88264955</b> |
| 1000       | 1/2       | 1 3/4"  | LCN99-12  | <b>88034325</b> | YA442N    | <b>88048636</b> | LCC1000-12-3   | -               | 54882BE        | <b>88264956</b> |

### Straight Compression Lugs - Aluminum - Two-Hole

Blackburn®/ FCI Burndy®/ Panduit / Thomas & Betts



| Cable Size | Bolt Size | Hole Spacing (in.) | Blackburn |             | Burndy   |             | Panduit       |             | Thomas & Betts |             |
|------------|-----------|--------------------|-----------|-------------|----------|-------------|---------------|-------------|----------------|-------------|
|            |           |                    | Mfg. No.  | Advanced ID | Mfg. No. | Advanced ID | Mfg. No.      | Advanced ID | Mfg. No.       | Advanced ID |
| 2          | 1/2       | 1.75               | -         | -           | YA2CA9   | 98390599    | -             | -           | -              | -           |
| 1/0        | 3/8       | 1.06               | ATL10238  | 88033724    | YA25A5   | 88048546    | LAB1/0-38-X   | 88198088    | 60230          | 88265085    |
|            | 1/2       | 1.75               | ATL102    | 92048842    | YA25A7   | 88048547    | -             | -           | -              | -           |
| 2/0        | 3/8       | 1.00               | -         | -           | YA26A5   | 92133734    | -             | -           | 60236          | 88265086    |
|            | 1/2       | 1.75               | ATL202    | 88033730    | YA26A3   | 88048555    | LAB 2/0-12-5  | 88198090    | 60238          | 88265087    |
| 3/0        | 3/8       | 1.00               | -         | -           | YA27A7   | 92133735    | -             | -           | 60242          | 88265089    |
|            | 1/2       | 1.75               | ATL302    | 88033737    | YA27A5   | 88048565    | LAB 3/0-12-5  | 88198092    | 60244          | 88265090    |
| 4/0        | 3/8       | 1.00               | -         | -           | YA28A7   | 92133736    | -             | -           | 60248          | 88265091    |
|            | 1/2       | 1.75               | ATL402    | 88033746    | YA28A5   | 88048574    | LAB 4/0-12-5  | 88198095    | 60250          | 88265093    |
| 250        | 3/8       | 1.00               | -         | -           | YA29A5   | 92133737    | -             | -           | 60254          | 88265094    |
|            | 1/2       | 1.75               | ATL2502   | 88033732    | YA29A3   | 88048581    | LAB 250-12-5  | 88198091    | 60256          | 88265095    |
| 300        | 3/8       | 1.00               | -         | -           | YA30A5   | 92133739    | -             | -           | 60260          | 88265097    |
|            | 1/2       | 1.75               | ATL3002   | 90042962    | YA30A3   | 88048598    | LAB 300-12-2  | 88198093    | 60262          | 88265098    |
| 350        | 3/8       | 1.00               | -         | -           | YA31A5   | 92133741    | -             | -           | 60265          | 88265099    |
|            | 1/2       | 1.75               | ATL3502   | 88033739    | YA31A3   | 88048605    | LAB 350-12-2  | 88198094    | 60267          | 88265100    |
| 400        | 3/8       | 1.00               | -         | -           | YA32A5   | 92133741    | -             | -           | 60268          | 88265103    |
|            | 1/2       | 1.75               | ATL4002   | 90042963    | YA32A3   | 88048611    | LAB 400-12-2  | 88198096    | 60269          | 88265104    |
| 500        | 3/8       | 1.00               | -         | -           | YA34A5   | -           | -             | -           | 60271          | 88265106    |
|            | 1/2       | 1.75               | ATL5002   | 88033749    | YA34A3   | 88048617    | LAB 500-12-2  | 88198097    | 60273          | 88265107    |
| 600        | 3/8       | 1.00               | -         | -           | YA36A5   | 92133743    | -             | -           | 60274          | 88265111    |
|            | 1/2       | 1.75               | ATL6002   | 89061031    | YA36A3   | 88048623    | LAB 600-12-2  | 88198098    | 60275          | 88265112    |
| 700/750    | 3/8       | 1.00               | -         | -           | YA39A7   | 92133744    | -             | -           | 60276          | 88265113    |
|            | 1/2       | 1.75               | ATL7502   | 88033755    | YA39A5   | 88048630    | LAB 750-12-1  | 88198099    | 60278          | 88265115    |
| 1000       | 1/2       | 1.75               | -         | -           | YA44A3   | 88048639    | LAB 1000-12-1 | 88198089    | 60284          | 88265119    |
| 1500       | 1/2       | 1.75               | -         | -           | YA46A3   | 88048641    | -             | -           | -              | -           |
| 2000       | 1/2       | 1.75               | -         | -           | YA48A3   | 88048644    | -             | -           | -              | -           |

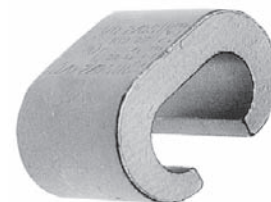
### CRIMPIT™

FCI Burndy®

Type YC-C copper CRIMPIT connector is a range-taking C shape compression connector for making tap or parallel copper connections from #12 sol. to 4/0 stranded conductor.

#### Benefits

- UL Listed 90 C, 600V to 35 kV
- Range Taking Connector
- Manufactured from High Conductivity Wrought Copper



| Mfg. No. | Advanced ID | Description  | Type  | Die Code  | Main Conductor Size (in.) | Tap Conductor Size (in.) |
|----------|-------------|--------------|-------|-----------|---------------------------|--------------------------|
| YC8C8    | 88048832    | Crimpit YC-C | C-Tap | 162 or K  | #8 Solid- #8 Stranded     | #10 Solid- #8 Stranded   |
| YC4C4    | 88048828    | Crimpit YC-C | C-Tap | BG or 5/8 | #6 Solid- #4 Stranded     | #4 Solid- #4 Stranded    |
| YC4C6    | 88048829    | Crimpit YC-C | C-Tap | BG or 5/8 | #6 Solid- #4 Stranded     | #6 Solid- #6 Stranded    |
| YC2C4    | 88048823    | Crimpit YC-C | C-Tap | C         | #2 Solid- #2 Stranded     | #8 Solid- #4 Stranded    |
| YC2C2    | 88048822    | Crimpit YC-C | C-Tap | C         | #2 Solid- #2 Stranded     | #2 Solid- #2 Stranded    |
| YC26C26  | 88048811    | Crimpit YC-C | C-Tap | O         | #1 Solid- #2/0 Stranded   | #1 Solid- #2/0 Stranded  |
| YC28C28  | 88048818    | Crimpit YC-C | C-Tap | D3        | #3 Solid- #4/0 Stranded   | #3 Solid- #4/0 Stranded  |

### Thin Wall Copper C-Tap

FCI Burndy® / Panduit / Thomas & Betts



| Burndy                | Panduit                   | Thomas & Betts      | Run | Tap   |
|-----------------------|---------------------------|---------------------|-----|-------|
| YC10L12<br>(97267752) | CTAPF10-16-C<br>-         | -<br>-              | 14  | 16-14 |
| YC10L12<br>(97267752) | CTAPF10-16-C<br>-         | -<br>-              | 12  | 16-14 |
| YC10L12<br>(97267752) | CTAPF10-16-C<br>-         | -<br>-              | 10  | 14    |
| YC8L12<br>(94057330)  | CATPF8-12-X<br>(96089784) | 54710<br>(88264908) | 10  | 10    |
| YC8L12<br>(94057330)  | CATPF8-12-X<br>(96089784) | 54710<br>(88264908) | 8   | 12    |
| YC6L12<br>(94044113)  | CTAPF6-12-X<br>(96089783) | 54715<br>(88264909) | 8   | 10-8  |
| YC6L12<br>(94044113)  | CTAPF6-12-X<br>(96089783) | 54715<br>(88264909) | 6   | 12-10 |
| YC4L12<br>(94044112)  | CTAPF4-12-C<br>(97144370) | 54720<br>(88264910) | 6   | 8-6   |
| YC4L12<br>(94044112)  | CTAPF4-12-C<br>(97144370) | 54730<br>(88264912) | 5,4 | 12-8  |
| YC3L12<br>(95022030)  | CTAPF3-12-C<br>(99417939) | 54725<br>(88264911) | 5,4 | 6-5   |
| YC3L12<br>(95022030)  | CTAPF3-12-C<br>(99417939) | 54730<br>(88264912) | 3   | 12-6  |
| YC2L12<br>(95022032)  | CTAPF2-12-C<br>(96049472) | 54730<br>(88264912) | 4   | 4     |
| YC2L12<br>(95022032)  | CTAPF2-12-C<br>(96049472) | -<br>-              | 3   | 5     |
| YC2L12<br>(95022032)  | CTAPF2-12-C<br>(96049472) | 54735<br>(88264913) | 2   | 12-6  |
| YC1L12<br>(95024834)  | CTAPF1-12-C<br>(97204864) | 54740<br>(88264914) | 3   | 4-3   |
| YC1L12<br>(95024834)  | CTAPF1-12-C<br>(97204864) | 54740<br>(88264914) | 2   | 5-4   |
| YC1L12<br>(95024834)  | CTAPF1-12-C<br>(97204864) | 54735<br>(88264913) | 1   | 12-5  |

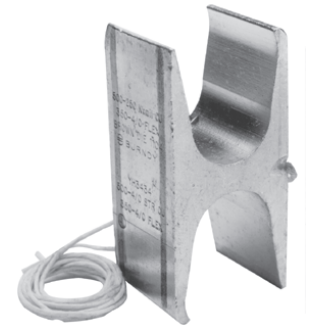
**H-TAP COPPER CRIMPIT™**

FCI Burndy®

WC indicates H-TAP connector with flame retardant cover. Accommodates a wide range of run/tap copper cable combinations including both flexible and code combinations.

**Benefits**

- Tap Grooves Function Independently of Each Other
- Color Code on the Connector Matches Installation Die
- Die Index Embossed on Connector After Completion of Crimp
- Recommended Flame Retardant Type CF-FR Insulating Covers Meet Oxygen Index 28 and UL94 V-O Requirements
- “Third Hand” Constrains Conductors While Installer Completes Crimp



| Mfg. No. | Advanced ID     | Description                      | Type  | Die Code | Main Conductor Size (in.) | Tap Conductor Size (in.) |
|----------|-----------------|----------------------------------|-------|----------|---------------------------|--------------------------|
| YH4444WC | <b>91033875</b> | Crimpit YH, Connector with Cover | H-Tap | 1102     | 1000-750 kcmil            | 1000-750 kcmil           |
| YH4429WC | <b>95004899</b> | Crimpit YH, Connector with Cover | H-Tap | K-R      | 1000-750 kcmil            | 250 kcmil - #2           |
| YH3939WC | <b>91032884</b> | Crimpit YH, Connector with Cover | H-Tap | K-R      | 750-500 kcmil             | 750-350 kcmil            |
| YH3931WC | <b>91032886</b> | Crimpit YH, Connector with Cover | H-Tap | K-R      | 750-350 kcmil             | 4/0-1/0, #1-6, #2-14     |
| YH3434WC | <b>91032887</b> | Crimpit YH, Connector with Cover | H-Tap | 1104     | 500-250 kcmil             | 500-4/0                  |
| YH3429WC | <b>91032888</b> | Crimpit YH, Connector with Cover | H-Tap | 1104     | 500-4/0                   | 250-1/0, #1-6, #8-14     |
| YH2929WC | <b>91032889</b> | Crimpit YH, Connector with Cover | H-Tap | 654      | 250 kcmil - #2            | 250 kcmil - #2           |
| YH292CWC | <b>91032890</b> | Crimpit YH, Connector with Cover | H-Tap | 654      | 250 kcmil - #2            | #2-6, #8-14              |
| YH298CWC | <b>91032891</b> | Crimpit YH, Connector with Cover | H-Tap | 654      | 250 kcmil - #2            | #8-14, #8-14             |
| YH2C2CWC | <b>91032892</b> | Crimpit YH, Connector with Cover | H-Tap | C        | #2-6                      | #2-6, #8-14, #8-14       |
| YH6C6CWC | <b>97107709</b> | Crimpit YH, Connector with Cover | H-Tap | BG       | #6-10                     | #6-14                    |
| YH8C8CWC | <b>91033876</b> | Crimpit YH, Connector with Cover | H-Tap | 11       | #8                        | #8-14                    |
| YH4444   | <b>91008160</b> | Crimpit YH, Connector            | H-Tap | 1102     | 1000-750 kcmil            | 1000-750 kcmil           |
| YH4429   | <b>94073583</b> | Crimpit YH, Connector            | H-Tap | K-R      | 1000-750 kcmil            | 250 kcmil - #2           |
| YH3939   | <b>91006647</b> | Crimpit YH, Connector            | H-Tap | K-R      | 750-500 kcmil             | 750-350 kcmil            |
| YH3931   | <b>91006646</b> | Crimpit YH, Connector            | H-Tap | K-R      | 750-350 kcmil             | 4/0-1/0, #1-6, #2-14     |
| YH3434   | <b>91007592</b> | Crimpit YH, Connector            | H-Tap | 1104     | 500-250 kcmil             | 500-4/0                  |
| YH3429   | <b>91006648</b> | Crimpit YH, Connector            | H-Tap | 1104     | 500-4/0                   | 250-1/0, #1-6, #8-14     |
| YH2929   | <b>91006641</b> | Crimpit YH, Connector            | H-Tap | 654      | 250 kcmil - #2            | 250 kcmil - #2           |
| YH292C   | <b>91006642</b> | Crimpit YH, Connector            | H-Tap | 654      | 250 kcmil - #2            | #2-6, #8-14              |
| YH298C   | <b>91006645</b> | Crimpit YH, Connector            | H-Tap | 654      | 250 kcmil - #2            | #8-14, #8-14             |
| YH2C2C   | <b>91006643</b> | Crimpit YH, Connector            | H-Tap | C        | #2-6                      | #2-6, #8-14, #8-14       |
| YH6C6C   | <b>94073584</b> | Crimpit YH, Connector            | H-Tap | BG       | #6-10                     | #6-14                    |
| YH8C8C   | <b>91006644</b> | Crimpit YH, Connector            | H-Tap | 11       | #8-14                     | #8-14                    |

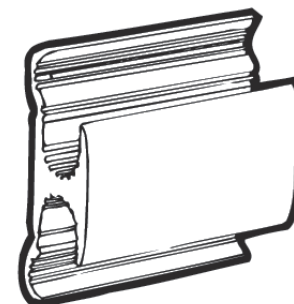
### Connector, Compression, H-Tap Wide Range

Blackburn®

For combinations of aluminum-aluminum and aluminum-copper conductors.

#### Benefits

- For Combinations of Aluminum-Aluminum and Aluminum-Copper Conductors
- Passes the Requirements of ANSI C119.4
- Standard Compression Tools and Dies Install All Sizes
- Fold-In Tabs Provide Positive Tab Interlock As Tool Closes
- Field-Proven Ribbed Design Provides Unparalleled Connector/Conductor Contact, Without Distorting the Conductor "S" Shape
- Made of 1350 Aluminum Alloy
- Pre-Filled with an Oxide Inhibitor Which is Held Captive In the Rib/Connection Area
- RUS Listed
- All Connectors Reversible



| Mfg. No. | Advanced ID     | Die Code | Length (in.)                    | Main Conductor Size (in.) | Tap Conductor Size (in.) |
|----------|-----------------|----------|---------------------------------|---------------------------|--------------------------|
| WR159    | <b>88034834</b> | O        | 1 <sup>7</sup> / <sub>16</sub>  | 0.162 to 0.332 O.D.       | 0.162 to 0.332 O.D.      |
| WR179    | <b>88034835</b> | O        | 1 <sup>3</sup> / <sub>4</sub>   | 0.266 to 0.398 O.D.       | 0.162 to 0.266 O.D.      |
| WR189    | <b>88034836</b> | O        | 1 <sup>11</sup> / <sub>16</sub> | 0.266 to 0.419 O.D.       | 0.162 to 0.332 O.D.      |
| WR229    | <b>88034839</b> | D        | 1 <sup>7</sup> / <sub>8</sub>   | 0.410 to 0.470 O.D.       | 0.316 to 0.398 O.D.      |
| WR259    | <b>88034841</b> | D        | 1 <sup>7</sup> / <sub>8</sub>   | 0.326 to 0.419 O.D.       | 0.292 to 0.412 O.D.      |
| WR269    | <b>88034832</b> | D        | 1 <sup>7</sup> / <sub>8</sub>   | 0.410 to 0.447 O.D.       | 0.336 to 0.447 O.D.      |
| WR289    | <b>88034843</b> | D        | 1 <sup>13</sup> / <sub>16</sub> | 0.398 to 0.470 O.D.       | 0.162 to 0.332 O.D.      |
| WR359    | <b>88034848</b> | D        | 1 <sup>7</sup> / <sub>8</sub>   | 0.461 to 0.563 O.D.       | 0.162 to 0.266 O.D.      |
| WR389    | <b>88034851</b> | D        | 2 <sup>3</sup> / <sub>16</sub>  | 0.461 to 0.563 O.D.       | 0.376 to 0.470 O.D.      |
| WR419    | <b>88034853</b> | D        | 2 <sup>7</sup> / <sub>16</sub>  | 0.461 to 0.563 O.D.       | 0.461 to 0.563 O.D.      |

### H-Tap COVER

FCI Burndy®

The H-Tap - flame retardant cover's one piece design slips over connector and latches securely shut. Self extinguishing retardant properties.



| Mfg. No. | Advanced ID     | Type                  | For Use With                   |
|----------|-----------------|-----------------------|--------------------------------|
| CFR-FR   | <b>90078422</b> | Flame Retardant Cover | YH4444, YH4429, YH3939, YH3931 |
| CFN-FR   | <b>90086256</b> | Flame Retardant Cover | YH3434, YH3429                 |
| CFD-FR   | <b>90078418</b> | Flame Retardant Cover | YH2929, YH292C, YH298C         |
| CFO-FR   | <b>90078415</b> | Flame Retardant Cover | YH2C2C                         |
| CFBG-FR  | <b>96048473</b> | Flame Retardant Cover | YH6C6C, YH8C8C                 |



### Contax Anti-Oxidant

Blackburn®

#### Benefits

- Seals Electrical Connections from Oxygen and Moisture
- Non-Water Soluble, Non-Petroleum Based Polymer Grease
- Nontoxic, Will Not Irritate the Skin
- Service Temperature to 460°F can be Applied in 0°F Weather



| Mfg. No. | Advanced ID     | Description                            |
|----------|-----------------|--|
| CTB8     | <b>88033941</b> | Type CT, 8 oz., Plastic Squeeze Bottle |

### Kopr-Shield® Compound

Thomas & Betts

#### Benefits

- Use Kopr-Shield Compound for Battery Lugs, Cables, Raceways, Fuse Clips, Wiping Contacts, Drum Switches and Slip Rings
- Prevention of "Green Scourge" Corrosion
- Reduction of Resistance
- Ease of Terminal Installation and Removal
- Grounding Continuity Improved – Exceeds Code Requirements
- Even Heat Distribution – Elimination of Hot Spots
- Oxidation Prevention – Prevents Carbon Path Formation



| Mfg. No. | Advanced ID     | Description          |
|----------|-----------------|----------------------|
| CP16     | <b>88265648</b> | 1 lb. Can with Brush |

### Anti-Oxidants (Oxide Inhibitor)

FCI Burndy®

PENETROX™ oxide-inhibiting compounds produce low initial contact resistance, seal out air and moisture, prevent oxidation or corrosion, exhibit superior weathering characteristics, are usable over wide temperature ranges, and provide a high conductivity "gastight" joint.



| Mfg. No.   | Advanced ID     | Description                          |
|--|-----------------|--------------------------------------|
| <b>PENETROX E for copper to copper. ‡</b>                                |                 |                                      |
| PEN E-4  | <b>88047862</b> | 4 oz. Squeeze Bottle, Synthetic Base |
| PEN E-8  | <b>88047863</b> | 8 oz. Squeeze Bottle, Synthetic Base |
| <b>PENETROX A for aluminum to aluminum and aluminum to copper. **</b>    |                 |                                      |
| PEN A-1/2 *  | <b>98407614</b> | 1/2 oz. Tube, Petroleum Base         |
| PEN A-4 *  | <b>88047852</b> | 4 oz. Squeeze Bottle, Petroleum Base |
| P8A *  | <b>88047845</b> | 8 oz. Squeeze Bottle, Petroleum Base |
| <b>PENETROX A-13 for aluminum to aluminum and aluminum to copper. ††</b> |                 |                                      |
| PEN A13-4 †  | <b>88047854</b> | 4 oz. Squeeze Bottle, Synthetic Base |
| PEN A13-8 †  | <b>88047855</b> | 8 oz. Squeeze Bottle, Synthetic Base |

\* Not recommended for use with rubber and polyethylene insulated conductors.

† Compatible with rubber and polyethylene insulating material.

‡ UL Listed

\*\* UL Listed to 600V

†† UL Listed and recommended for all voltages

### Copper and Galvanized Ground Rod

ERICO®

Copper bonded ground rods provide excellent grounding properties as a 10 ml (except as noted) driven electrode. Copper is molecularly bonded to nickel-sealed high-strength steel cores. Zinc coated exterior or hot-dip galvanized ground rods for solid protection against corrosion in accordance with ASTM specification A153-78. Meets NEMA, GR1 and is RUS approved.



| Mfg. No.           | Advanced ID     | Description                |
|--------------------|-----------------|----------------------------|
| <b>Copper Clad</b> |                 |                            |
| 611265 (5 ml.)     | <b>96062369</b> | 1/2 in. x 6 ft. Pointed    |
| 611380             | <b>96078239</b> | 1/2 in. x 8 ft. Pointed    |
| 615800             | <b>96062376</b> | 5/8 in. x 10 ft. Pointed   |
| 615860             | <b>96062375</b> | 5/8 in. x 6 ft. Pointed    |
| 615880             | <b>94035117</b> | 5/8 in. x 8 ft. Pointed    |
| 615883 *           | <b>94035118</b> | 5/8 in. x 8 ft. Pointed    |
| 633400             | <b>96062350</b> | 3/4 in. x 10 ft. Sectional |
| 635800             | <b>96062348</b> | 5/8 in. x 10 ft. Sectional |
| 635880             | <b>96062347</b> | 5/8 in. x 8 ft. Sectional  |
| <b>Galvanized</b>  |                 |                            |
| 813480             | <b>97231736</b> | 3/4 in. x 8 ft. Pointed    |
| 815860             | <b>97116932</b> | 5/8 in. x 6 ft. Pointed    |
| 815880             | <b>96081044</b> | 5/8 in. x 8 ft. Pointed    |

\* 13 ml. RUS approved

# Terminating, Splicing & Grounding

## Rods, Grounding - Accessories • Connectors, Grounding Clamps - Rod

### Ground Rod Accessories

ERICO®

High strength couplings are threaded bronze and chamfered at both ends for easy driving. Driving sleeves slide on top of ground rod to prevent mushrooming while driving into ground.



Coupling

Drive Stud

| Mfg. No.                   | Advanced ID | Description                     |
|----------------------------|-------------|---------------------------------|
| <b>Ground Rod Couplers</b> |             |                                 |
| CR-58                      | 96062360    | Threaded 5/8 in. Nominal Thread |
| CR-34                      | 96062361    | Threaded 3/4 in. Nominal Thread |
| CC58                       | 97116948    | Compression 5/8 in.             |
| <b>Drive Studs</b>         |             |                                 |
| DS-34                      | 96062356    | 3/4 in. Nominal Thread          |
| DS-58                      | 96062355    | 5/8 in. Nominal Thread          |
| <b>Drive Sleeves</b>       |             |                                 |
| B137-14                    | 92126456    | For 1/2 in. Copper Clad Rod     |
| B137-16                    | 22024673    | For 5/8 in. Copper Clad Rod     |
| B137-18                    | 89021798    | For 3/4 in. Copper Clad Rod     |

### Ground Rod Clamps

Blackburn® / FCI Burndy® / ERICO®



| Ground Rod        | Max Wire | Min Wire | Blackburn            | Burndy              | Erico                |
|-------------------|----------|----------|----------------------|---------------------|----------------------|
| <b>Standard</b>   |          |          |                      |                     |                      |
| 1/2               | 2 Str    | 10 Sol   | G4<br>(88034080)     | GRL4<br>(99570115)  | CP12<br>(96078227)   |
| 5/8               | 2 Str    | 10 Sol   | G5<br>(88034083)     | GRL5<br>(95028867)  | CP58<br>(96083214)   |
| 3/4               | 2 Str    | 10 Sol   | G6<br>(88034084)     | GRL6<br>(97273063)  | -                    |
| <b>Heavy Duty</b> |          |          |                      |                     |                      |
| 1/2               | 2 Str    | 10 Sol   | -<br>(88047480)      | GRC12<br>(96083217) | HDC12<br>-           |
| 5/8               | 1/0      | 8 Sol    | JAB58H<br>(88034207) | GRC58<br>(88047482) | HDC58R<br>(96083219) |
| 3/4               | 1/0      | 8 Sol    | JBH34H<br>(88034205) | GRC34<br>(88047481) | -                    |
| 1                 | 4/0      | 8 Sol    | -<br>-               | -<br>-              | HDC12<br>(97116945)  |

### Water Pipe Clamps

Blackburn® / FCI Burndy® / ERICO®



| Pipe Size            | Max. Wire | Min. Wire | Blackburn |                          | Burndy  |                          | Erico   |                          |
|----------------------|-----------|-----------|-----------|--------------------------|---------|--------------------------|---------|--------------------------|
|                      |           |           | Mfg. No   | Advanced ID              | Mfg. No | Advanced ID              | Mfg. No | Advanced ID              |
| <b>Cast Bronze</b>   |           |           |           |                          |         |                          |         |                          |
| 1/2-1                | 2 Str     | 10 Sol    | J         | <a href="#">88034192</a> | C11N    | <a href="#">97194517</a> | CWP1J   | <a href="#">96078235</a> |
| 1/2-1                | 6 Sol     | 10 Sol    | JP12      | <a href="#">88034215</a> | C11LH1  | <a href="#">97206519</a> | -       | -                        |
| 1 1/4 - 2            | 2 Str     | 10 Sol    | J2BB      | <a href="#">88034193</a> | C22     | <a href="#">97184718</a> | -       | -                        |
| <b>Direct Burial</b> |           |           |           |                          |         |                          |         |                          |
| 1/2-1                | 2 Str     | 10 Sol    | JD        | <a href="#">90000003</a> | C11D    | <a href="#">97184717</a> | CWP1JU  | <a href="#">97116955</a> |
| 1 1/4 - 2            | 1/0       | 8 Sol     | J2D       | <a href="#">95008619</a> | C22D    | <a href="#">97184719</a> | CWP2JU  | <a href="#">97116956</a> |

**Note:**  
Advanced ID in blue.

### Water Pipe Ground Clamps

Blackburn® / FCI Burndy®



| Pipe Size     | Max. Wire | Min. Wire | Blackburn                            | Burndy                                |
|---------------|-----------|-----------|--------------------------------------|---------------------------------------|
| 1/2-1         | 4/0       | 4         | 3902<br><a href="#">(88264328)</a>   | GAR3902<br><a href="#">(92042429)</a> |
| 1 1/4 - 2     | 4/0       | 4         | 3903<br><a href="#">(88264330)</a>   | GAR3903<br><a href="#">(92042430)</a> |
| 2 1/2 - 3 1/2 | 4/0       | 4         | 3904<br><a href="#">(88264332)</a>   | GAR3904<br><a href="#">(92042431)</a> |
| 4 - 5         | 4/0       | 4         | 3905TB<br><a href="#">(88264334)</a> | GAR3905<br><a href="#">(92042432)</a> |
| 6             | 4/0       | 4         | 3906TB<br><a href="#">(88264336)</a> | GAR3906<br><a href="#">(92042432)</a> |

**Note:**  
Advanced ID in blue.

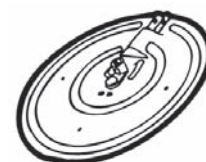
### Type PB Copper Pole Ground Plates

Blackburn®

Installed on butt end of utility poles to provide an economical, low resistance neutral ground.

#### Features

- Built-In Pressure Connector for Ground Lead
- 8 to 2 AWG Solid, 7 1/2 in. Diameter



| Mfg. No. | Advanced ID              | Type                             | Material                  | Conductor Size   |
|----------|--------------------------|----------------------------------|---------------------------|------------------|
| GP100    | <a href="#">88034097</a> | Type GP Copper Pole Ground Plate | Electrolytic Sheet Copper | 8 to 2 AWG Solid |

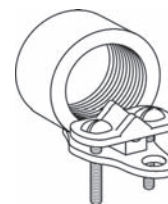
### Cast Bronze Conduit Hub

Blackburn®

Provides positive connection between rigid conduit and water system in conjunction with "J" clamp.

#### Features

- Rugged Cast Bronze Threaded Hub



| Mfg. No. | Advanced ID              | Description  |
|----------|--------------------------|--|
| CH12     | <a href="#">88033880</a> | Pipe Size 1/2 in., Conductor 6 Solid - 10 Solid AWG      |
| CH1BB    | <a href="#">88033879</a> | Pipe Size 1 in., Conductor 3/0 Stranded - 10 Solid AWG   |
| CH34     | <a href="#">88033881</a> | Pipe Size 3/4 in., Conductor 2/0 Stranded - 10 Solid AWG |

### SERVIT POST™

FCI Burndy®

For copper cable to flat. Used to ground one cable to steel structure, fence posts and transformers. Also used to tap one cable from bus bar. One-wrench installation.



| Mfg. No. | Advanced ID              | Description   |
|----------|--------------------------|---|
| KC15     | <a href="#">88047609</a> | #12- #9 Stranded / #12- #8 Solid, stud diameter 1/4 - 20  |
| KC17     | <a href="#">88047607</a> | #10- #9 Stranded / #10- #6 Solid, stud diameter 1/4 - 20  |
| KC20     | <a href="#">88047612</a> | #10- #5 Stranded / #10- #4 Solid, stud diameter 5/16 - 18 |
| KC22     | <a href="#">88047608</a> | #10- #3 Stranded / #10- #2 Solid, stud diameter 3/8 - 16  |
| KC23     | <a href="#">88047616</a> | #8- #2 Stranded / #10 - #1 Solid, stud diameter 3/8 - 16  |
| KC25     | <a href="#">88047618</a> | #2- #1/0 Stranded / #2-2/0 Solid, stud diameter 1/2 - 13  |
| KC26     | <a href="#">88047620</a> | #2- #2/0 Stranded / #2-3/0 Solid, stud diameter 1/2 - 13  |
| KC28     | <a href="#">88047622</a> | #1- #4/0 Stranded / #1-4/0 Solid, stud diameter 5/8 - 11  |
| KC31     | <a href="#">88047624</a> | #1- 350 kcmil, stud diameter 5/8 - 11                     |
| KC34     | <a href="#">88047626</a> | 3/0 Stranded - 500 kcmil, stud diameter 3/4 - 10          |

### BURNDYWeld™ Single Shots

FCI Burndy®



BCR-1



BCR-2

BCR-1 and BCR2 - BURNDYWeld™ Single Shot Molds are an economical way to make cable connections onto a ground rod. They are disposable single use mold that includes all required material.

| Mfg. No. | Advanced ID              | Description                                    | Type                      |
|----------|--------------------------|--|---------------------------|
| BS-2014  | <a href="#">25017898</a> | #2 - #1 Solid, #3 - #2 Stranded to 5/8 in. rod | BCR-1 (Rod - 1 Conductor) |
| BS-2018  | <a href="#">25017933</a> | #4 - #3 Solid, #6 - #4 Stranded to 3/4 in. rod | BCR-1 (Rod - 1 Conductor) |
| BS-2029  | <a href="#">25017919</a> | #2 - #1 Solid, #3 - #2 Stranded to 5/8 in. rod | BCR-2 (Rod - 2 Conductor) |

### BURNDYWeld™ Cable to Vertical Steel Surface

FCI Burndy®

Type BCS-23 Molds are used to join vertical cable down to a vertical steel surface.



| Mfg. No. | Advanced ID     | Description  |
|----------|-----------------|--|
| B8718    | <b>25017884</b> | 4/0 concentric copper cable to vertical steel surface. |

### BURNDYWeld™ Horizontal Parallel through Cables

FCI Burndy®

Type BCC-7 - Parallel through connection of horizontal cables. Run conductor is on the bottom of Type BCC-7 molds. Size range #6 through 4/0 copper conductors. Add suffix "S" to mold number for solid conductor.



| Mfg. No. | Advanced ID     | Description   |
|----------|-----------------|---|
| B1313S   | <b>25017914</b> | Parallel splice of #2 solid to #2 solid copper conductor. |

### BURNDYWeld™ Horizontal Splice

FCI Burndy®

Type BCC-1 - Splice of horizontal end to end concentric copper cable connection.



| Mfg. No. | Advanced ID     | Description  |
|----------|-----------------|--|
| B208     | <b>25017902</b> | Straight splice end to end of 4/0 concentric copper cable. |

### BURNDYWeld™ Cable to Cable

FCI Burndy®

Type BCC-2 - Horizontal cable to horizontal run cable. Connections are for concentric strand copper.



| Mfg. No. | Advanced ID     | Description                                       |
|----------|-----------------|---|
| B228     | <b>25017892</b> | "T" Connector 1/0 to 1/0 concentric copper cable. |
| B232     | <b>25017904</b> | "T" Connector 2/0 to 2/0 concentric copper cable. |
| B241     | <b>25017908</b> | "T" Connector 4/0 to 4/0 concentric copper cable. |

### BURNDYWeld™ Cable to Ground

FCI Burndy®

Type BCR-2 - Horizontal cable to ground rod. Connections are for concentric strand copper.



| Mfg. No. | Advanced ID     | Description   |
|----------|-----------------|---|
| B550     | <b>25017851</b> | "T" Connector 4/0 concentric copper cable to top of 5/8 in. copper clad ground rod. |
| B561     | <b>25017897</b> | "T" Connector 4/0 concentric copper cable to top of 3/4 in. copper clad ground rod. |

### BURNDYWeld™ Weld Metals

FCI Burndy®

BURNDYWeld is a mixture of copper oxide and aluminum. Each tube contains the starting material packed into the bottom of cartridge with the weld metal on top. Packed in moisture resistant plastic cartridges with necessary steel discs. Standard weld metal is for welding copper to copper.



| Mfg. No. | Advanced ID     | Description |
|----------|-----------------|-------------|
| 15       | <b>25017928</b> | 20 per box  |
| 25       | <b>25017918</b> | 20 per box  |
| 32       | <b>25017935</b> | 10 per box  |
| 45       | <b>25017880</b> | 20 per box  |
| 65       | <b>25017872</b> | 20 per box  |
| 90       | <b>25017846</b> | 10 per box  |
| 115      | <b>25017865</b> | 10 per box  |
| 150      | <b>25017893</b> | 10 per box  |
| 200      | <b>25017895</b> | 10 per box  |
| 250      | <b>25017888</b> | 10 per box  |
| 500      | <b>25017911</b> | 10 per box  |

### CADWELD Exothermic Weld Metals

ERICO®

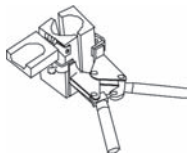
CADWELD weld metal is a mixture of copper oxide and aluminum, packaged by size in plastic tubes. Each tube contains the starting material at the bottom of the plastic tube, with the weld metal on top. F20 weld metal is used for all grounding connections with the exception of those to cast iron or to load bearing rail. XF19 weld metal is used for cast iron or ductile iron.



| Mfg. No. | Advanced ID     | Description            |
|----------|-----------------|------------------------|
| 32       | <b>89021760</b> | Type F20 - 20 per box  |
| 45       | <b>88320026</b> | Type F20 - 20 per box  |
| 65       | <b>89021759</b> | Type F20 - 20 per box  |
| 90       | <b>88320028</b> | Type F20 - 10 per box  |
| 150      | <b>88320022</b> | Type F20 - 10 per box  |
| 200      | <b>88320023</b> | Type F20 - 10 per box  |
| 250      | <b>88320025</b> | Type F20 - 10 per box  |
| 25XF19   | <b>90004144</b> | Type XF19 - 20 per box |

### Materials, Tools and Accessories

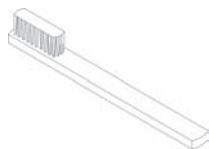
ERICO®



EZ Change Mold Handle Clamp



Flint Ignitor



Mold Cleaning Brush

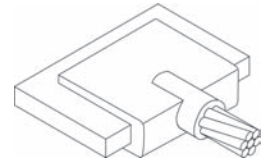
Cable and work surface preparation products.

| Mfg. No. | Advanced ID     | Description   |
|----------|-----------------|---|
| B160V    | <b>90010226</b> | Mold Chain Support Handle Clamp with Built in Attachment for Vertical Pipe for Type VS, VB, VF and VV |
| L159     | <b>89021783</b> | E-Z Change Mold Handle Clamp for All Molds with "D," "F," "J" or "Z" Price Key Listing                |
| L160     | <b>88320038</b> | E-Z Change Mold Handle Clamp for All Molds with "C," "E," "Q" or "R" Price Key Listing                |
| T111     | <b>90083095</b> | Self Igniting Propane Torch Head  |
| T314     | <b>89021767</b> | Cable Cleaning Brush  |
| T320     | <b>88320044</b> | Flint Ignitor   |
| T394     | <b>94039000</b> | Natural Bristle Mold Cleaning Brush   |
| T403     | <b>93176471</b> | Mold Sealer   |

### Cable to Busbar LJ

ERICO®

Tap of horizontal cable to edge of horizontal, flat busbar.

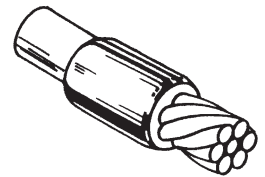


| Mfg. No. | Advanced ID     | Description  |
|----------|-----------------|--|
| LJC-EG1T | <b>95033577</b> | #2 Solid to edge of 1/4 in. x 1-1/2 in. and wider copper bus bar |

### Horizontal Splice SS

ERICO®

Splice of horizontal cables. Concentric stranded copper cable.

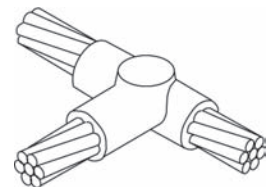


| Mfg. No. | Advanced ID     | Description                             |
|----------|-----------------|---|
| SSC-2Q   | <b>89021779</b> | Straight Splice of 4/0 Concentric Cable |

### Horizontal Tee Connections TA

ERICO®

Tee of horizontal run and tap cables. Concentric stranded copper cable. Solid conductor can be either copper or Copperweld.



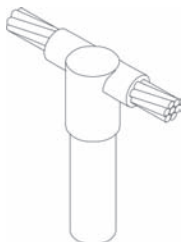
| Mfg. No. | Advanced ID     | Description                               |
|----------|-----------------|---|
| TAC-2Q2Q | <b>89021772</b> | "T" Connector 4/0 to 4/0 Concentric Cable |
| TAC-2G2G | <b>89021776</b> | "T" Connector 2/0 to 2/0 Concentric Cable |
| TAC-2C2C | <b>89021777</b> | "T" Connector 1/0 to 1/0 Concentric Cable |



### Through Cable to Ground Rod

ERICO®

For copper clad sectional or plain ground rods.

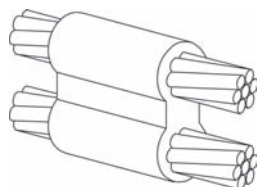


| Mfg. No. | Advanced ID     | Description   |
|----------|-----------------|---|
| GTC162Q  | <b>89021789</b> | "T" Connector 4/0 Concentric Cable to top of 5/8 in. Copper Clad Ground Rod |
| GTC182Q  | <b>89021791</b> | "T" Connector 4/0 Concentric Cable to top of 3/4 in. Copper Clad Ground Rod |

### Parallel Horizontal Conductors PT

ERICO®

Parallel through connection of horizontal cables. Run conductor is on the bottom of Type PT molds.

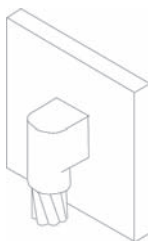


| Mfg. No. | Advanced ID     | Description                                       |
|----------|-----------------|---|
| PTC2Q2Q  | <b>91003025</b> | Parallel Splice of 4/0 to 4/0 Concentric Cable    |
| PTC1T1T  | <b>90010221</b> | Parallel Splice of #2 Solid to #2 Solid Conductor |

### Vertical Steel Surface VB

ERICO®

Connection of vertical cable to vertical flat steel surface or to side of vertical or horizontal steel pipe.

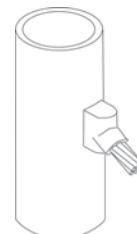


| Mfg. No. | Advanced ID     | Description  |
|----------|-----------------|--|
| VBC2Q    | <b>90010224</b> | 4/0 to Vertical Steel Surface. Cable Parallel to Surface |

### Range of Vertical Pipes VS

ERICO®

Cable down at 45° to range of vertical steel pipes.



| Mfg. No.   | Advanced ID     | Description  |
|------------|-----------------|--|
| VSC-1T-V3C | <b>90087873</b> | #2 Solid Conductor to Vertical Steel Pipe. Pipe Size Range from 1 1/2 in. to 4 in. Cable Down at 45°   |
| VSC-2Q-V3C | <b>91008112</b> | 4/0 Concentric Conductor to Vertical Steel Pipe. Pipe Size Range from 2 in. to 4 in. Cable Down at 45° |

### HYGROUND™ GRIDLOK™

FCI Burndy®

Ground grid connector for a wide range of copper cable to ground rod. Irreversible compression system which meets the most stringent safety and performance requirements. Acceptable for direct burial in earth and concrete. Prefilled with PENETROX™ compound and strip sealed. UL467 listed.



#### Benefits

- Meets All IEEE 837 Requirements

| Mfg. No.   | Advanced ID     | Conductor Size | Material | Rod Diameter (in.) |
|------------|-----------------|----------------|----------|--------------------|
| YGLR29C12  | <b>88049036</b> | #2-250         | Copper   | 1/2                |
| YGLR34C12  | <b>96024524</b> | 250-500        | Copper   | 1/2                |
| YGLR29C58  | <b>88049038</b> | #2-250         | Copper   | 5/8                |
| YGLR34C58  | <b>88049042</b> | 250-500        | Copper   | 5/8                |
| YGLR29C34  | <b>95025948</b> | #2-250         | Copper   | 3/4                |
| YGLR34C34  | <b>96024525</b> | 250-500        | Copper   | 3/4                |
| YGLR29C100 | <b>96024557</b> | #2-250         | Copper   | 1                  |
| YGLR34C100 | <b>96024526</b> | 250-500        | Copper   | 1                  |

### HYGROUND™ HYTAIL™

FCI Burndy®

High torque strength ground rod connectors. Accommodates a wide range of copper conductors to ground rod. Acceptable for direct burial in earth and concrete. Prefilled with PENETROX™ compound and strip sealed. UL 467 listed.



#### Benefits

- Meets All IEEE 837 Requirements

| Mfg. No.   | Advanced ID     | Conductor Size     | Material | Rod Diameter (in.) |
|------------|-----------------|--------------------|----------|--------------------|
| YGHR26C12  | <b>96024527</b> | #2 STR- 2/0 STR    | Copper   | 1/2                |
| YGHR26C58  | <b>88049021</b> | #2 STR- 2/0 STR    | Copper   | 5/8                |
| YGHR26C34  | <b>95018678</b> | #2 STR- 2/0 STR    | Copper   | 3/4                |
| YGHR26C100 | <b>96024561</b> | #2 STR- 2/0 STR    | Copper   | 1                  |
| YGHR29C12  | <b>96024528</b> | 4/0 STR- 250 kcmil | Copper   | 1/2                |
| YGHR29C58  | <b>88049025</b> | 4/0 STR- 250 kcmil | Copper   | 5/8                |
| YGHR29C34  | <b>88049024</b> | 4/0 STR- 250 kcmil | Copper   | 3/4                |
| YGHR29C100 | <b>96024529</b> | 4/0 STR- 250 kcmil | Copper   | 1                  |
| YGHR34C58  | <b>96024530</b> | 300 - 500 kcmil    | Copper   | 5/8                |
| YGHR34C34  | <b>96024531</b> | 300 - 500 kcmil    | Copper   | 3/4                |
| YGHR34C100 | <b>96024532</b> | 300 - 500 kcmil    | Copper   | 1                  |

### HYGROUND™ Hyrid Cross Connector

FCI Burndy®

Irreversible compression system which meets the most stringent safety and performance requirements. Acceptable for direct burial in earth and concrete. Prefilled with PENETROX™ compound and strip sealed.



#### Benefits

- Meets All IEEE 837 Requirements
- UL467 Listed

| Mfg. No. | Advanced ID     | Conductor Size       | Material | Rod Diameter (in.) |
|----------|-----------------|----------------------|----------|--------------------|
| YGL2C2   | <b>88049032</b> | #6 Solid - #2 STR    | Copper   | -                  |
| YGL29C2  | <b>88049030</b> | #1 Solid - 250 kcmil | Copper   | 1/2-5/8            |
| YGL29C29 | <b>88049031</b> | #2 Solid - 250 kcmil | Copper   | 1/2-5/8            |
| YGL34C2  | <b>88049033</b> | 250 - 500 kcmil      | Copper   | 1/2-5/8            |
| YGL34C29 | <b>88049034</b> | 250 - 500 kcmil      | Copper   | 5/8-3/4            |
| YGL34C34 | <b>88049035</b> | 500 - 500 kcmil      | Copper   | 5/8-3/4            |

### HYGROUND™ HYLINK™

FCI Burndy®

Heavy duty HYLINK ground splice designed not only to carry short circuit load, but to also withstand high mechanical stress. Each conductor element has an inspection probe hole and a center stop to ensure proper cable insertion. Prefilled with PENETROX™ compound and strip sealed. UL 467 listed.



#### Benefits

- Meets All IEEE 837 Requirements

| Mfg. No. | Advanced ID     | Type | Die Set Cat. No. and (No. of Crimps) | Conductor Size | Material | Approvals       |
|----------|-----------------|------|--------------------------------------|----------------|----------|-----------------|
| YGHS2C   | <b>92057015</b> | YGHS | U1CRT(1)                             | #2 STR         | Copper   | UL467, IEEE 837 |
| YGHS25   | <b>96024533</b> | YGHS | U27CRT(1)                            | 1/0 STR        | Copper   | UL467, IEEE 837 |
| YGHS26   | <b>92057016</b> | YGHS | U28CRT(1)                            | 2/0 STR        | Copper   | UL467, IEEE 837 |
| YGHS27   | <b>25027131</b> | YGHS | U29CRT(1)                            | 3/0 STR        | Copper   | UL467, IEEE 837 |
| YGHS28   | <b>88309190</b> | YGHS | U30CRT(2)                            | 4/0 STR        | Copper   | UL467, IEEE 837 |
| YGHS29   | <b>88049029</b> | YGHS | U31CRT(2)                            | 250 kcmil      | Copper   | UL467, IEEE 837 |
| YGHS31   | <b>25027132</b> | YGHS | U34CRT(2)                            | 350 kcmil      | Copper   | UL467, IEEE 837 |
| YGHS34   | <b>92057017</b> | YGHS | U36CRT(2)                            | 500 kcmil      | Copper   | UL467, IEEE 837 |

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## 4" Square Outlet Box

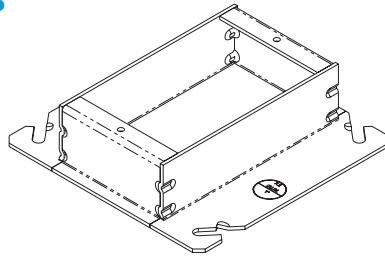
RACO® / Steel City® / Cooper Crouse-Hinds



| RACO              | Steel City                     | Cooper Crouse-Hinds | Depth | Wiring Capacity | Side KO's                       | Bottom KO's        | Bracket      |
|-------------------|--------------------------------|---------------------|-------|-----------------|---------------------------------|--------------------|--------------|
| 185<br>(88216906) | 52141-1/2<br>(88254778)        | TP408<br>(97215445) | 1 1/4 | 18.0            | 1/2" - 10                       | 1/2" - 5           | None         |
| 190<br>(88216910) | 52151-1/2<br>(88254779)        | TP410<br>(94048595) | 1 1/2 | 21.0            | 1/2" - 12                       | 1/2" - 5           | None         |
| 191<br>(88216911) | 52151-3/4<br>(88254786)        | TP412<br>(94048597) | 1 1/2 | 21.0            | 3/4" - 8                        | 1/2" - 1, 3/4" - 4 | None         |
| 192<br>(88216912) | 52151-1/2 & 3/4<br>(88254780)  | TP414<br>(94048600) | 1 1/2 | 21.0            | 1/2" - 8, 3/4" - 4              | 1/2" - 3, 3/4" - 2 | None         |
| 231<br>(88216941) | 52171-3/4<br>(88254811)        | TP432<br>(94048209) | 2 1/8 | 30.3            | 3/4" - 8                        | 1/2" - 3, 3/4" - 2 | None         |
| 232<br>(88216942) | 52171-1/2-3/4-E<br>(88254789)  | TP403<br>(99477183) | 2 1/8 | 30.3            | 1/2" - 8, 3/4" - 4              | 1/2" - 3, 3/4" - 2 | None         |
| 233<br>(88216943) | 52171-1<br>(88254808)          | TP436<br>(94048211) | 2 1/8 | 30.3            | 1" - 8                          | 1/2" - 3, 3/4" - 2 | None         |
| 193<br>(88216913) | 52151-B-1/2 3/4<br>(88254801)  | TP418<br>(94048204) | 1 1/2 | 21.0            | 1/2" - 9                        | 1/2" - 5           | B - Flush    |
| -                 | 52151-V-1/2 3/4<br>(88254801)  | TP425<br>(94048206) | 1 1/2 | 21.0            | 1/2" - 6, 3/4" - 3              | 1/2" - 3, 3/4" - 2 | FH - Flush   |
| 683<br>(88217150) | 2G4D-1/2 3/4<br>(88254719)     | TP395<br>(97231162) | 2 1/8 | 30.3            | 1/2" - 12                       | 1/2" - 5           | 2 Device Box |
| 685<br>(88217151) | 2G4DV-1/2 3/4<br>(88254720)    | TP391<br>(97231159) | 2 1/8 | 30.3            | 1/2" - 4, 3/4" - 2              | 1/2" - 3, 3/4" - 2 | CV           |
| 189<br>(88216909) | 52151-1/2 3/4-EW<br>(90061855) | TP404<br>(97221182) | 1 1/2 | 22.0            | 1/2"-8; 4-Moons                 | 1/2"-3; 2-Moons    | None         |
| -                 | 52171X<br>(91015665)           | TP431<br>(96046224) | 2 1/8 | 30.3            | Cable-4; 1/2"-4; 1/2"-2, 3/4"-E | 1/2"-1             | None         |
| 232<br>(88216943) | 52171-1/2 3/4-E<br>(90087148)  | TP434<br>(94048210) | 2 1/8 | 30.3            | 1/2"-8; 3/4"-4                  | 1/2"-3; 3/4"-2     | None         |
| 213<br>(88216930) | 52151X<br>(88254804)           | TP454<br>(96066328) | 1 1/2 | 21.0            | Cable-4; 1/2"-4; 1/2"-2, 3/4"-C | 1/2"-1             | None         |

### 4" Square Cornered Tile Wall Covers

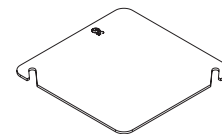
RACO® / Steel City® / Cooper Crouse-Hinds



| RACO       | Steel City    | Cooper Crouse-Hinds | Number of Devices | Description   |
|------------|---------------|---------------------|-------------------|---------------|
| 787        | 52 C 0        | TP480               | 1                 | Flat          |
| (88217252) | (88254738)    | (94048642)          |                   |               |
| 771        | 52 C 62       | TP482               | 1                 | Raised 1/4"   |
| (88217229) | (88254773)    | (94048215)          |                   |               |
| 782        | 52 C 49 1/2   | TP520               | 1                 | Raised 1/2"   |
| (88217242) | (88254762)    | (97231218)          |                   |               |
| 768        | 52 C 14 5/8   | TP489               | 1                 | Raised 5/8"   |
| (88217226) | (88254744)    | (94048131)          |                   |               |
| 773        | 52 C 49 3/4   | TP522               | 1                 | Raised 3/4"   |
| (88217231) | (88254763)    | (97231219)          |                   |               |
| 774        | 52 C 49 1     | TP524               | 1                 | Raised 1"     |
| (88217232) | (88254760)    | (97231220)          |                   |               |
| 775        | 52 C 49 1 1/4 | TP526               | 1                 | Raised 1 1/4" |
| (88217233) | (88254761)    | (97231221)          |                   |               |
| 785        | 52C5011/2-25  | TP528               | 1                 | Raised 1 1/2" |
| (88217250) | (88254764)    | (90058860)          |                   |               |
| 786        | 52C51-2       | TP530               | 1                 | Raised 2"     |
| (88217251) | (99504423)    | (94048167)          |                   |               |
| 791        | -             | TP494               | 2                 | Flat          |
| (88217261) | -             | (94048135)          |                   |               |
| 777        | -             | TP496               | 2                 | Raised 1/4"   |
| (88217235) | -             | (94048138)          |                   |               |
| 778        | 52 C 52 1/2   | TP532               | 2                 | Raised 1/2"   |
| (88217238) | (88254768)    | (97231222)          |                   |               |
| 769        | -             | TP499               | 2                 | Raised 5/8"   |
| (88217227) | -             | (94048151)          |                   |               |
| 779        | 52 C 52 3/4   | TP534               | 2                 | Raised 3/4"   |
| (88217239) | (88254769)    | (97231223)          |                   |               |
| 780        | 52 C 52 1     | TP536               | 2                 | Raised 1"     |
| (88217240) | (88254766)    | (97231224)          |                   |               |
| 781        | 52 C 52 1 1/4 | TP538               | 2                 | Raised 1 1/4" |
| (88217241) | (88254767)    | (94048170)          |                   |               |
| 795        | 52 C 53 1 1/2 | TP540               | 2                 | Raised 1 1/2" |
| (88217270) | (88254770)    | (94048177)          |                   |               |
| 796        | 52 C 54 2     | TP542               | 2                 | Raised 2"     |
| (88217271) | (88254771)    | (94048185)          |                   |               |

## 4" Square Outlet Box Covers

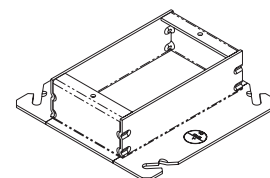
RACO® / Steel City® / Cooper Crouse-Hinds



| RACO              | Steel City                  | Cooper Crouse - Hinds | Description                      |
|-------------------|-----------------------------|-----------------------|----------------------------------|
| 752<br>(88217206) | 52-C-1<br>(88254740)        | TP472<br>(90058833)   | Flat Blank                       |
| 753<br>(88217208) | 52-C-6<br>(88254772)        | TP478<br>(94048214)   | Flat with 1/2 in. KO             |
| 767<br>(88217225) | 52-C-3-1/2-25<br>(88254756) | TP476<br>(94048213)   | Raised 1/2 in. w/ Center Blank   |
| 756<br>(88217215) | 52-C-3-25<br>(88254753)     | TP477<br>(97215448)   | Raised 5/8 in. w/ Center Blank   |
| 759<br>(88217218) | 52-C-3-3/4<br>(88254757)    | TP475<br>(97215406)   | Raised 3/4 in. w/ Center Blank   |
| 757<br>(88217216) | 52-C-3-1<br>(88254754)      | TP479<br>(94048608)   | Raised 1 in. w/ Center Blank     |
| 758<br>(88217217) | 52-C-3-1-1/4<br>(88254755)  | TP483<br>(97221272)   | Raised 1 1/4 in. w/ Center Blank |

## 4" Square Outlet Box Device Covers

RACO® / Steel City® / Cooper Crouse-Hinds

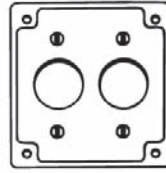


| RACO              | Steel City                   | Cooper Crouse-Hinds | Number of Devices | Description   |
|-------------------|------------------------------|---------------------|-------------------|---------------|
| 787<br>(88217252) | 52-C-0<br>(88254738)         | TP480<br>(94048642) | 1                 | Flat          |
| 771<br>(88217229) | 52-C-62<br>(88254773)        | TP482<br>(94048215) | 1                 | Raised 1/4"   |
| 772<br>(88217230) | 52-C-13<br>(97278460)        | TP484<br>(90058839) | 1                 | Raised 1/2"   |
| 768<br>(88217226) | 52-C-14-5/8<br>(88254744)    | TP489<br>(94048131) | 1                 | Raised 5/8"   |
| 773<br>(88217231) | 52-C-14<br>(88254743)        | TP486<br>(94048128) | 1                 | Raised 3/4"   |
| 774<br>(88217232) | 52-C-15<br>(88254745)        | TP488<br>(94048129) | 1                 | Raised 1"     |
| 775<br>(88217233) | 52-C-16<br>(88254746)        | TP490<br>(94048133) | 1                 | Raised 1 1/4" |
| 791<br>(88217261) | 52-C-00<br>(88254739)        | TP494<br>(94048135) | 2                 | Flat          |
| 777<br>(88217235) | 52-C-20-25<br>(88254751)     | TP496<br>(94048138) | 2                 | Raised 1/4"   |
| 778<br>(88217238) | 52-C-17-25<br>(88254747)     | TP498<br>(94048149) | 2                 | Raised 1/2"   |
| 769<br>(88217227) | 52-C-18-5/8-25<br>(88254749) | TP499<br>(94048151) | 2                 | Raised 5/8"   |
| 773<br>(88217231) | 52-C-18<br>(88254748)        | TP500<br>(94048153) | 2                 | Raised 3/4"   |
| 780<br>(88217240) | 52-C-19<br>(88254750)        | TP502<br>(94048154) | 2                 | Raised 1"     |
| 781<br>(88217241) | 52-C-21<br>(88254752)        | TP501<br>(97215407) | 2                 | Raised 1 1/4" |



### 4" Square Outlet Box Surface Covers

RACO® / Steel City® / Cooper Crouse-Hinds



| RACO       | Steel City | Cooper Crouse-Hinds | Description  |
|------------|------------|---------------------|--|
| -          | RS-1       | TP504               | For 1 Toggle Switch & 1 Single Receptacle 1 <sup>13</sup> / <sub>32</sub> " Diameter |
| -          | (88255094) | (94048156)          |  |
| 906C       | RS-2       | TP506               | For 1 Toggle Switch & 1 Duplex Receptacle  |
| (93197505) | (88255101) | (90058848)          |  |
| 902C       | RS-12      | TP516               | For 1 Duplex Receptacle  |
| (93197502) | (88255097) | (90058854)          |  |
| 907C       | RS-8       | TP510               | For 2 Duplex Receptacles   |
| (93197503) | (88255106) | (94048159)          |  |
| 812C       | RS-4       | TP507               | For 1 20 Amp Single Receptacle 1 <sup>19</sup> / <sub>32</sub> " Diameter            |
| (88217286) | (88255103) | (94048612)          |  |
| 801C       | RS-10      | TP514               | For 1 Single Receptacle 1 <sup>13</sup> / <sub>32</sub> " Diameter                   |
| (88217277) | (88255095) | (94048161)          |  |
| 811C       | RS-15      | TP519               | For 1 30 Amp Twist-lock Single Receptacle 1 <sup>23</sup> / <sub>32</sub> " Diameter |
| (88217285) | (88255100) | (94048643)          |  |
| 813C       | RS-14      | TP509               | For 1 30-60 Amp Receptacle (4 Wire) 2 <sup>7</sup> / <sub>16</sub> " Diameter        |
| (88217287) | (88255099) | (97215441)          |  |
| 810C       | RS-13      | TP518               | For 1 30-50 Amp Receptacle 2 <sup>9</sup> / <sub>64</sub> " Diameter                 |
| (88217284) | (88255098) | (94048164)          |  |
| 808C       | RS-16-CC   | TP513               | For 1 GFCI Receptacle  |
| (91032272) | (89079288) | (97215440)          |  |
| 809C       | RS-17-CC   | TP511               | For 2 GFCI Receptacles   |
| (91032273) | (89079289) | (97221273)          |  |
| 814C       | RS-18-CC   | TP515               | For 1 Toggle Switch & 1 GFCI Receptacle  |
| (91032274) | (89079286) | (97221274)          |  |
| 915C       | RS-19-CC   | TP517               | For 1 Duplex Receptacle & 1 GFCI Receptacle  |
| (93197507) | (89079287) | (97221277)          |  |

**Note:**  
Advanced ID in blue.

### Cooper Crouse-Hinds® Uni-Mount™ Covers

Cooper Crouse-Hinds

Metal or wood stud mounting device plate and box support combined in one product.

#### Features

- UL and CSA Certified
- No Far Side Support Required
- For 4 in. Square Boxes



| Mfg. No. | Advanced ID | Dimensions       | Openings   | Material |
|----------|-------------|------------------|------------|----------|
| TP30000  | 97222132    | 4 x 4 x 1/2D in. | One Device | Steel    |
| TP31000  | 97221280    | 4 x 4 x 5/8D in. | One Device | Steel    |
| TP32000  | 99484825    | 4 x 4 x 3/4D in. | One Device | Steel    |
| TP36000  | 97221281    | 4 x 4 x 5/8D in. | Two Device | Steel    |
| TP35000  | 97222133    | 4 x 4 x 1/2D in. | Two Device | Steel    |
| TP37000  | 99484826    | 4 x 4 x 3/4D in. | Two Device | Steel    |

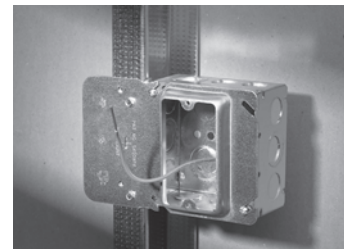
## Preassembled 4 in. Square Boxes with Uni-Mount™ Covers

### Cooper Crouse-Hinds

Save installation time by ordering the Uni-Mount covers already assembled to these popular 4 in. square boxes.

### Features

- Includes Uni-Mount Cover Attached to Box



| Mfg. No.  | Advanced ID              | Description                                |
|-----------|--------------------------|--|
| TP30403PF | <a href="#">22074406</a> | TP30000 Assembled to TP403 - Includes Lead |
| TP30404PF | <a href="#">22074407</a> | TP30000 Assembled to TP404 - Includes Lead |
| TP31403PF | <a href="#">22074408</a> | TP31000 Assembled to TP403 - Includes Lead |
| TP31404PF | <a href="#">22074409</a> | TP31000 Assembled to TP404 - Includes Lead |
| TP32403PF | <a href="#">22074410</a> | TP32000 Assembled to TP403 - Includes Lead |
| TP32404PF | <a href="#">22074411</a> | TP32000 Assembled to TP404 - Includes Lead |
| TP35403PF | <a href="#">22074412</a> | TP35000 Assembled to TP403 - Includes Lead |
| TP35404PF | <a href="#">22074413</a> | TP35000 Assembled to TP404 - Includes Lead |
| TP36403PF | <a href="#">22074414</a> | TP36000 Assembled to TP403 - Includes Lead |
| TP36404PF | <a href="#">22074415</a> | TP36000 Assembled to TP404 - Includes Lead |
| TP37403PF | <a href="#">22074416</a> | TP37000 Assembled to TP403 - Includes Lead |
| TP37404PF | <a href="#">22074417</a> | TP37000 Assembled to TP404 - Includes Lead |
| TP30414   | <a href="#">99867484</a> | TP30000 Assembled to TP414                 |
| TP30431   | <a href="#">99867485</a> | TP30000 Assembled to TP431                 |
| TP30434   | <a href="#">99867486</a> | TP30000 Assembled to TP434                 |
| TP30454   | <a href="#">99867487</a> | TP30000 Assembled to TP454                 |
| TP31414   | <a href="#">99504760</a> | TP31000 Assembled to TP414                 |
| TP31431   | <a href="#">99867489</a> | TP31000 Assembled to TP431                 |
| TP31434   | <a href="#">99867490</a> | TP31000 Assembled to TP434                 |
| TP31454   | <a href="#">99867491</a> | TP31000 Assembled to TP454                 |
| TP32414   | <a href="#">99867493</a> | TP32000 Assembled to TP414                 |
| TP32431   | <a href="#">99867494</a> | TP32000 Assembled to TP431                 |
| TP32434   | <a href="#">99867495</a> | TP32000 Assembled to TP434                 |
| TP32454   | <a href="#">99867496</a> | TP32000 Assembled to TP454                 |
| TP35414   | <a href="#">99867498</a> | TP35000 Assembled to TP414                 |
| TP35431   | <a href="#">99867499</a> | TP35000 Assembled to TP431                 |
| TP35434   | <a href="#">99867500</a> | TP35000 Assembled to TP434                 |
| TP35454   | <a href="#">99867501</a> | TP35000 Assembled to TP454                 |
| TP36414   | <a href="#">99504761</a> | TP36000 Assembled to TP414                 |
| TP36431   | <a href="#">99867503</a> | TP36000 Assembled to TP431                 |
| TP36434   | <a href="#">99867504</a> | TP36000 Assembled to TP434                 |
| TP36454   | <a href="#">99867505</a> | TP36000 Assembled to TP454                 |
| TP37414   | <a href="#">99867507</a> | TP37000 Assembled to TP414                 |
| TP37431   | <a href="#">99867508</a> | TP37000 Assembled to TP431                 |
| TP37434   | <a href="#">99867509</a> | TP37000 Assembled to TP434                 |
| TP37454   | <a href="#">99867510</a> | TP37000 Assembled to TP454                 |

# Boxes & Fittings

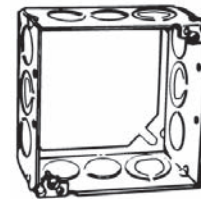
## Boxes, Electrical - Square, Extensions • Boxes, Electrical - Square

### 4" Square Box Extension Rings

Steel City®

Features

- Suitable for Use Without a Bonding Jumper in Circuits Above or Below 250V



| Mfg. No.        | Advanced ID     | Volume       | Side Conduit Knockouts                            | Dimensions          |
|-----------------|-----------------|--------------|---|---------------------|
| 53151-1/2-3/4   | <b>88254819</b> | 21.0 cu. in. | (8) 1/2 in. (4) 3/4 in.                           | 4 x 4 x 1 1/2 D in. |
| 53151-1/2-3/4UB | <b>90094208</b> | 21.0 cu. in. | (8) 1/2 in. (2) 1/2-3/4 in. Eccentric             | 4 x 4 x 1 1/2 D in. |
| 53151-3/4       | <b>88254820</b> | 21.0 cu. in. | (8) 3/4 in.                                       | 4 x 4 x 1 1/2 D in. |
| 53171-1/2-3/4   | <b>88254822</b> | 30.3 cu. in. | (8) 1/2 in. (2) 3/4 in. (2) 1/2-3/4 in. Eccentric | 4 x 4 x 2 1/8 D in. |

### Square Box Partition

Steel City®

For 2 1/8 in. deep box with square cut tile wall two device cover.

Benefits

- For 1/2, 3/4 and 1 in. Raised Covers



| Mfg. No. | Advanced ID     | Type                       | Material | Features                            |
|----------|-----------------|----------------------------|----------|-------------------------------------|
| 52PD1    | <b>88254774</b> | 4 in. Square Box Partition | Steel    | For 1/2, 3/4 and 1 in. Raised Cover |

### 4 11/16" Square Box

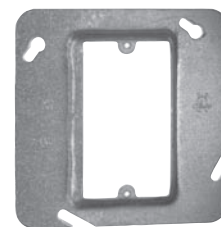
RACO® / Steel City® / Cooper Crouse-Hinds



| RACO                     | Steel City                            | Crouse Hinds               | Depth  | Wiring Capacity | Side KO's          | Bottom KO's        | Bracket |
|--------------------------|---------------------------------------|----------------------------|--------|-----------------|--------------------|--------------------|---------|
| 245<br><b>(88216949)</b> | 72151-1/2&3/4-E<br><b>(91004741)</b>  | TP549<br><b>(97231226)</b> | 1 1/2" | 29.5"           | 1/2" - 12          | 1/2" - 3, 3/4" - 2 | -       |
| 246<br><b>(88216950)</b> | 72151-1/2&3/4-E<br><b>(91004741)</b>  | TP549<br><b>(97231226)</b> | 1 1/2" | 29.5"           | 3/4" - 10          | 1/2" - 3, 3/4" - 2 | -       |
| 247<br><b>(88216951)</b> | 72151-1/2&3/4-E<br><b>(91004741)</b>  | TP548<br><b>(97231225)</b> | 1 1/2" | 29.5"           | 1/2" - 8, 3/4" - 4 | 1/2" - 3, 3/4" - 2 | -       |
| 254<br><b>(95008556)</b> | 72171-CV-1/2&3/4<br><b>(89027480)</b> | TP557<br><b>(97231230)</b> | 2 1/8" | 42"             | 1/2" - 8, 3/4" - 4 | 1/2" - 3, 3/4" - 2 | FM/CV   |
| 257<br><b>(88216955)</b> | 72171-1/2&3/4-E<br><b>(91004742)</b>  | TP563<br><b>(97209219)</b> | 2 1/8" | 42"             | 1/2" - 8, 3/4" - 4 | 1/2" - 3, 3/4" - 2 | -       |
| 259<br><b>(88216957)</b> | 72171-1 1/4<br><b>(88254964)</b>      | TP562<br><b>(94048618)</b> | 2 1/8" | 42"             | 1 1/4" - 6         | 1/2" - 3, 3/4" - 2 | -       |
| 265<br><b>(88216961)</b> | 72171-3/4&1<br><b>(88254968)</b>      | TP558<br><b>(94048617)</b> | 2 1/8" | 42"             | 3/4" - 4, 1" - 4   | 1/2" - 3, 3/4" - 2 | -       |
| -                        | -                                     | TP554<br><b>(94048616)</b> | 2 1/8" | 42"             | 3/4" - 6           | 1/2" - 2, 3/4" - 2 | -       |

4<sup>11</sup>/<sub>16</sub>" Device Covers

RACO® / Steel City® / Cooper Crouse-Hinds



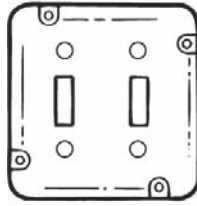
| RACO              | Steel City                | Cooper Crouse-Hinds | Wiring Capacity | Description   | Raised |
|-------------------|---------------------------|---------------------|-----------------|---------------|--------|
| 835<br>(88217307) | 72-C-3<br>(88254938)      | TP570<br>(94048619) | 3.7             | Open          | 5/8"   |
| -                 | 72-C-3-3/4<br>(88254941)  | TP571<br>(97231236) | 4.4             | Open          | 3/4"   |
| -                 | 72-C-3 1<br>(88254939)    | TP573<br>(97231238) | 5.9             | Open          | 1"     |
| -                 | 72-C-62<br>(88254955)     | TP574<br>(94048620) | 1.8             | Single Device | 1/4"   |
| 837<br>(88217309) | 72-C-13<br>(88254930)     | TP576<br>(94048220) | 3.5             | Single Device | 1/2"   |
| 843<br>(88217315) | 72-C-14-5/8<br>(89027482) | TP579<br>(97231240) | 4.5             | Single Device | 5/8"   |
| 838<br>(88217310) | 72-C-14<br>(88254931)     | TP578<br>(94048222) | 5.5             | Single Device | 3/4"   |
| 839<br>(88217311) | 72-C-15<br>(88254932)     | TP580<br>(97231241) | 7.5             | Single Device | 1"     |
| 842<br>(88217314) | 72-C-16<br>(88254933)     | TP582<br>(97231242) | 9.5             | Single Device | 1 1/4" |
| 898<br>(88217361) | -                         | TP529<br>(99867447) | 11.3            | Single Device | 1 1/2" |
| 899<br>(88217362) | -                         | TP531<br>(99707024) | 16.0            | Single Device | 2"     |
| 841<br>(88217313) | 72-C-17<br>(88254934)     | TP584<br>(94048224) | 5.5             | Two Device    | 1/2"   |
| 818<br>(88217290) | 72-C-18-5/8<br>(89027481) | TP587<br>(97221275) | 7.3             | Two Device    | 5/8"   |
| 840<br>(88217312) | 72-C-18<br>(88254935)     | TP586<br>(97231244) | 8.8             | Two Device    | 3/4"   |
| 819<br>(88217291) | 72-C-19<br>(88254936)     | TP589<br>(97231245) | 12.0            | Two Device    | 1"     |
| 820<br>(88217292) | 72-C-21<br>(88254937)     | TP593<br>(97231248) | 15.0            | Two Device    | 1 1/4" |
| 885<br>(88217348) | -                         | TP541<br>(99707025) | 15.5            | Two Device    | 1 1/2" |

## Boxes & Fittings

### Boxes, Electrical - Square, Covers • Boxes, Electrical - Ceiling Pans

#### 4<sup>11</sup>/<sub>16</sub>" Surface Covers

RACO® / Steel City® / Cooper Crouse-Hinds



| RACO                 | Steel City           | Cooper Crouse-Hinds | Wiring Capacity | Description  |
|----------------------|----------------------|---------------------|-----------------|--|
| 870RAC<br>(88217335) | RSL-9<br>(88255119)  | TP720<br>(94048628) | 7.5             | For 1 Toggle Switch  |
| -                    | RSL-5<br>(88255117)  | TP726<br>(97231307) | 7.5             | For 2 Toggle Switches  |
| -                    | RSL-11<br>(88255110) | TP724<br>(97231306) | 7.5             | For 1 Single Receptacle 1 <sup>13</sup> / <sub>32</sub> " Diameter |
| 887<br>(88217350)    | RSL-4<br>(88255116)  | TP730<br>(97231308) | 7.5             | For 1 20A Receptacle 1 <sup>19</sup> / <sub>32</sub> " Diameter    |
| -                    | RSL-15<br>(88255114) | TP736<br>(97231309) | 7.5             | For 1 Power Outlet 1 <sup>23</sup> / <sub>32</sub> " Diameter      |
| 878<br>(88217341)    | RSL-13<br>(88255112) | TP732<br>(97221276) | 7.5             | For 1 30-50A Receptacle 2 <sup>9</sup> / <sub>64</sub> " Diameter  |
| 888<br>(88217351)    | RSL-14<br>(88255113) | TP734<br>(97215450) | 7.5             | For 1 30-60A Receptacle 2 <sup>5</sup> / <sub>8</sub> " Diameter   |
| 972<br>(93197707)    | RSL-12<br>(88255111) | TP722<br>(97221279) | 7.5             | For 1 Duplex Receptacle  |
| 979<br>(93197709)    | RSL-8<br>(88255118)  | TP728<br>(94048629) | 7.5             | For 2 Duplex Receptacles   |
| 858 )<br>(88217326)  | RSL-18<br>(93159376) | -                   | 7.5             | For 1 Toggle Switch and 1 GFCI Device                              |
| 959<br>(94001181)    | RSL-19<br>(93159377) | -                   | 7.5             | For 1 Duplex Receptacle and 1 GFCI Device                          |
| 856<br>(88217324)    | RSL-16<br>(95003139) | TP738<br>(97231310) | 7.5             | For 1 GFCI Device  |
| 857<br>(88217325)    | RSL-17<br>(93159375) | TP741<br>(99547524) | 7.5             | For 2 GFCI Devices   |

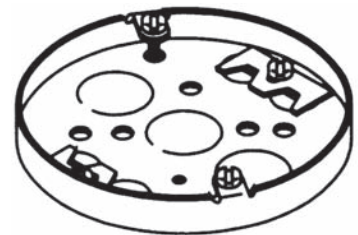
#### Ceiling Pans

##### Bowers

For non-metallic sheathed cable, 4 in. diameter-<sup>1</sup>/<sub>2</sub> in. deep.

##### Features

- Three <sup>1</sup>/<sub>2</sub> in. K.O.'S in a Line and Four Loom K.O.'S at Opposite Ends in Bottom
- Two Loom Clamps for Non-Metallic Cable with <sup>10</sup>/<sub>32</sub> in. Deep Slotted Screws
- Two <sup>8</sup>/<sub>32</sub> x <sup>1</sup>/<sub>2</sub> in. Screws in Ears



| Mfg. No. | Advanced ID | Dimensions                                |
|----------|-------------|---|
| 410-LC   | 88037569    | 4Dia. x <sup>1</sup> / <sub>2</sub> D in. |

## Metallic Octagon Box

Cooper Crouse-Hinds / RACO® / Steel City®



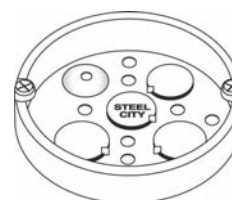
| Cooper Crouse-Hinds | RACO              | Steel City        | Depth | Wiring Capacity | Side KO's          | Bottom KO's        | Bracket |
|---------------------|-------------------|-------------------|-------|-----------------|--------------------|--------------------|---------|
| TP274               | 125               | 54151-1/2         | 1 1/2 | 15.5            | 1/2" - 4           | 1/2" - 5           | None    |
| <b>(94048148)</b>   | <b>(88216871)</b> | <b>(88254833)</b> |       |                 |                    |                    |         |
| TP276               | 126               | 54151-3/4         | 1 1/2 | 15.5            | 3/4" - 4           | 1/2" - 3, 3/4" - 2 | None    |
| <b>(94048572)</b>   | <b>(88216872)</b> | <b>(88254835)</b> |       |                 |                    |                    |         |
| TP278               | 127               | 54151-1/2 & 3/4   | 1 1/2 | 15.5            | 1/2" - 2, 3/4" - 2 | 1/2" - 3, 3/4" - 2 | None    |
| <b>(94048150)</b>   | <b>(88216873)</b> | <b>(88254834)</b> |       |                 |                    |                    |         |
| TP282               | 161               | 54151-V-1/2       | 1 1/2 | 15.5            | 1/2" - 3           | 1/2" - 5           | V       |
| <b>(97231098)</b>   | <b>(88216888)</b> | <b>(88254853)</b> |       |                 |                    |                    |         |
| TP280               | 158               | 54151-L-1/2       | 1 1/2 | 15.5            | 1/2" - 4           | 1/2" - 5           | L       |
| <b>(97231097)</b>   | <b>(88216886)</b> | <b>(88254842)</b> |       |                 |                    |                    |         |
| TP275               | 296               | 54151-CFB         | 1 1/2 | 15.8            | 1/2" - 4           | 1/2" - 5           | FAN     |
| <b>(97215415)</b>   | <b>(89062108)</b> | <b>(91033563)</b> |       |                 |                    |                    |         |
| TP288               | 165               | 54171-1/2-25      | 2 1/8 | 21.5            | 1/2" - 4           | 1/2" - 5           | None    |
| <b>(94048579)</b>   | <b>(88216890)</b> | <b>(88254855)</b> |       |                 |                    |                    |         |
| TP290               | 166               | 54171-3/4         | 2 1/8 | 21.5            | 3/4" - 4           | 1/2" - 3, 3/4" - 2 | None    |
| <b>(94048582)</b>   | <b>(88216891)</b> | <b>(88254857)</b> |       |                 |                    |                    |         |
| TP292               | 167               | 54171-1/2 & 3/4   | 2 1/8 | 21.5            | 1/2" - 2, 3/4" - 2 | 1/2" - 3, 3/4" - 2 | None    |
| <b>(94048586)</b>   | <b>(88216892)</b> | <b>(88254856)</b> |       |                 |                    |                    |         |
| TP294               | -                 | 54171-1           | 2 1/8 | 21.5            | 1" - 4             | 1/2" - 3, 3/4" - 2 | None    |
| <b>(97231100)</b>   | <b>-</b>          | <b>(88254854)</b> |       |                 |                    |                    |         |

## Metallic Round Ceiling Pans

Steel City®



36115C-30



56111-CFB

| Mfg. No.  | Advanced ID     | Dimensions             |
|-----------|-----------------|------------------------|
| 36115C-30 | <b>88254725</b> | 3 1/4 Dia. x 1/2 D in. |
| 36125D    | <b>88254726</b> | 3 1/4 Dia. x 3/4 D in. |
| 56111     | <b>88254874</b> | 4 Dia. x 1/2 D in.     |
| 56111-CFB | <b>91033562</b> | 4 Dia. x 1/2 D in.     |

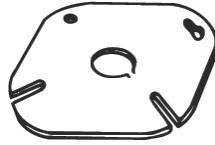
**Note:**

CFB = Ceiling Fan Box



### Metallic Octagon Box Cover

RACO® / Steel City® / Cooper Crouse-Hinds



| RACO              | Steel City                 | Cooper Crouse-Hinds | Description   |
|-------------------|----------------------------|---------------------|---|
| 722<br>(88217176) | 54-C-1<br>(88254823)       | TP322<br>(94048168) | Flat Blank  |
| 724<br>(88217180) | 54-C-6<br>(88254829)       | TP328<br>(94048171) | Flat 1/2" KO  |
| -                 | 54-C-7<br>(88254830)       | TP330<br>(97231124) | Raised 5/8" with 1/2" KO                                      |
| 727<br>(88217182) | 54-C-3<br>(88254825)       | TP326<br>(97231121) | Raised 5/8" Open  |
| 737<br>(88217200) | 54-C-3-1/2<br>(88254828)   | TP332<br>(97231126) | Raised 1/2" Open  |
| 732<br>(88217191) | 54-C-3-1<br>(88254826)     | TP333<br>(97231127) | Raised 1" Open  |
| -                 | 54-C-3-1-1/4<br>(88254827) | -                   | Raised 1 1/4" Open  |
| -                 | 54-C-14<br>(88254824)      | -                   | Raised 5/8" for Single Device                                 |
| 729<br>(88217184) | -                          | TP335<br>(97231128) | Flat for Toggle Switch  |
| -                 | 5401-LR<br>(88254831)      | TP334<br>(94048590) | Flat for Single Receptacle (1 <sup>13</sup> / <sub>32</sub> " |
| 731<br>(88217190) | 5402-LR<br>(88254832)      | TP336<br>(94048591) | Flat for Duplex Receptacle                                    |

### Box Extender

Arlington Industries, Inc.



BE1



BE2

#### Benefits

- Levels and Supports a Wiring Device in Boxes that are Set Back from Wall Surface
- Extends Box Up to 1 1/2 in.
- Complies with 2002 NEC Article 314.20

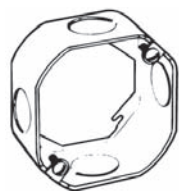
#### Features

- Works in Handy Boxes and 4 in. Square Electrical Boxes with Plaster Rings for Single Switches or Receptacle
- Functions with All Standard Devices, Switches and GFCIs
- Non-Conductive, 105°C Continuous Use 94VO Rated Flame Retardant Material
- Round Extender Works for 3 1/2 and 4 in. Round and Octagonal Boxes

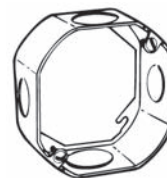
| Mfg. No. | Advanced ID | Type                       | Features                            |
|----------|-------------|----------------------------|-------------------------------------|
| BE1      | 96042616    | 1 Gang Box Extender        | 1 Gang, Extends Box Up to 1 1/2 in. |
| BE1R     | 99480235    | Round Ceiling Box Extender | Extends Box Up to 1 1/2 in.         |
| BE2      | 97251598    | 2 Gang Box Extender        | 2 Gang, Extends Box Up to 1 1/2 in. |

## 4" Box Extension Rings

Steel City®



55151-1/2-25



55151-1/2-3/4

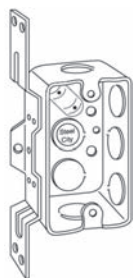
### Benefits

- 1½"D—With Conduit KOs—15.8 Cubic in. Capacity

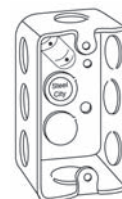
| Mfg. No.      | Advanced ID     | Dimensions           |
|---------------|-----------------|----------------------|
| 55151-1/2-3/4 | <b>88254873</b> | 4 Octagon x 1½"D in. |
| 55151-1/2-25  | <b>88254872</b> | 4 Octagon x 1½"D in. |

## Utility Boxes

RACO® / Steel City® / Cooper Crouse-Hinds



Utility Box with bracket



Utility Box

| RACO                     | Steel City                          | Cooper Crouse-Hinds        | Wiring Depth | Capacity | Side KO's | End KO's | Bottom KO's | Bracket |
|--------------------------|-------------------------------------|----------------------------|--------------|----------|-----------|----------|-------------|---------|
| 650<br><b>(88217135)</b> | 58351-1/2<br><b>(88254883)</b>      | TP588<br><b>(97215416)</b> | 1½"          | 11.5     | ½" - 6    | ½" - 2   | ½" - 3      | None    |
| 660<br><b>(88217139)</b> | 58361-1/2<br><b>(88254885)</b>      | TP594<br><b>(94048226)</b> | 1⅞"          | 13.0     | ½" - 6    | ½" - 2   | ½" - 3      | None    |
| 663<br><b>(88217142)</b> | 58361-3/4<br><b>(88254886)</b>      | TP596<br><b>(94048228)</b> | 1⅞"          | 13.0     | ¾" - 4    | ¾" - 2   | ¾" - 2      | None    |
| 670<br><b>(88217144)</b> | 58371-1/2<br><b>(88254888)</b>      | TP604<br><b>(94048621)</b> | 2⅞"          | 14.5     | ½" - 6    | ½" - 2   | ½" - 3      | None    |
| 674<br><b>(88217146)</b> | 58371-3/4<br><b>(88254889)</b>      | TP606<br><b>(94048622)</b> | 2⅞"          | 14.5     | ¾" - 4    | ¾" - 2   | ¾" - 2      | None    |
| 662<br><b>(88217141)</b> | 58361-V-1/2<br><b>(88254887)</b>    | TP598<br><b>(97231249)</b> | 1⅞"          | 13.0     | ½" - 3    | ½" - 2   | ½" - 3      | CV/TS   |
| 678<br><b>(88217147)</b> | 58371-V-1/2-25<br><b>(88254891)</b> | TP605<br><b>(97231252)</b> | 2⅞"          | 14.5     | ½" - 3    | ½" - 2   | ½" - 3      | CV/TS   |
| 671<br><b>(88217145)</b> | 58371-T-1/2<br><b>(88254890)</b>    | -                          | 2⅞"          | 14.5     | ½" - 3    | ½" - 2   | ½" - 3      | A/T     |

# Boxes & Fittings

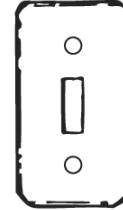
## Boxes, Electrical - Handy, Covers • Boxes, Electrical - Handy, Extensions

### Utility Box Covers

RACO® / Steel City® / Cooper Crouse-Hinds



Utility Box Cover with 1/2" KO

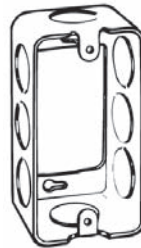


Utility Box Cover for Toggle Switch

| RACO              | Steel City            | Cooper Crouse-Hinds  | Description                                |
|-------------------|-----------------------|----------------------|--|
| 860<br>(88217328) | 58-C-1<br>(88254875)  | TP 608<br>(94048232) | Blank                                      |
| 861<br>(88217329) | 58-C-6<br>(88254881)  | TP614<br>(94048235)  | 1/2" KO                                    |
| 865<br>(88217332) | 58-C-30<br>(88254877) | TP618<br>(94048237)  | For Toggle Switch                          |
| 864<br>(88217331) | 58-C-7<br>(88254882)  | TP616<br>(94048236)  | For Duplex Receptacle                      |
| 863<br>(88217330) | 58-C-5<br>(88254880)  | TP612<br>(94048234)  | For Single Receptacle 1.406" Diameter      |
| 867<br>(88217333) | 58-C-4<br>(88254878)  | TP610<br>(94048233)  | For 20A and 30A Receptacle 1.594" Diameter |
| -                 | 58-C-16<br>(92041346) | TP613<br>(97231253)  | For GFCI Device                            |
| -                 | 58-C-11<br>(88254876) | -                    | With 15/32" Bushed Hole                    |

### Utility Box Extensions

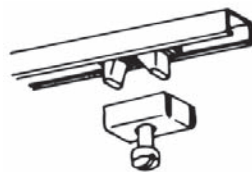
RACO® / Steel City® / Cooper Crouse-Hinds



| RACO              | Steel City              | Cooper Crouse-Hinds | Wiring Depth | Side Capacity | End KO's | KO's     |
|-------------------|-------------------------|---------------------|--------------|---------------|----------|----------|
| 653<br>(88217136) | -                       | TP592<br>(97215439) | 1 1/2"       | 11.5          | 1/2" - 2 | 1/2" - 6 |
| 665<br>(88217143) | 59361-1/2<br>(88254892) | TP600<br>(94048230) | 1 7/8"       | 13.0          | 1/2" - 2 | 1/2" - 6 |
| -                 | 59361-3/4<br>(88254893) | TP602<br>(97231250) | 1 7/8"       | 13.0          | 3/4" - 2 | 3/4" - 4 |

## Adjustable Bar Hanger With Stud or Fastener

Steel City®



6011 Series (Fastener)



6010 Series (Stud)

### Benefits

- Packaged Complete with Either Fastener or Stud
- Claws Provide Temporary Support for Proper Positioning Until Permanently Installed

### Features

- 50 lb Maximum Load Rating
- For  $\frac{3}{8}$ ,  $\frac{1}{2}$  and  $\frac{5}{8}$  in. Wall Board and Plaster
- $1\frac{3}{16}$  in. Depth of End Plate

| Mfg. No.    | Advanced ID     | Dimensions  |
|-------------|-----------------|---|
| 6010-ADW-25 | <b>88254899</b> | Adjustable 14 $\frac{1}{2}$ to 26 $\frac{1}{2}$ in. |
| 6010-DW-25  | <b>88254901</b> | Adjustable 10 $\frac{1}{2}$ to 18 $\frac{1}{2}$ in. |
| 6011-ADW-25 | <b>88254903</b> | Adjustable 14 $\frac{1}{2}$ to 26 $\frac{1}{2}$ in. |
| 6011-DW-25  | <b>88254905</b> | Adjustable 10 $\frac{1}{2}$ to 18 $\frac{1}{2}$ in. |

## Switch Boxes

RACO® / Steel City® / Cooper Crouse-Hinds



Switch Box with BX Clamps



Switch Box with Ears

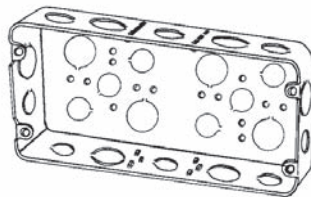
| RACO                     | Steel City                    | Cooper Crouse-Hinds        | Wiring Depth      | Capacity | End KO's            | Bottom Conduit/Wire KO's |                     | Type  | Description                |
|--------------------------|-------------------------------|----------------------------|-------------------|----------|---------------------|--------------------------|---------------------|---|----------------------------|
| 604<br><b>(88217122)</b> | CXV<br><b>(88255020)</b>      | TP246<br><b>(94048569)</b> | 3 $\frac{1}{2}$ " | 18.0"    | $\frac{1}{2}$ " - 4 | $\frac{1}{2}$ " - 2      | $\frac{1}{2}$ " - 1 | Armored Cable-Flexible Metal<br>Conduit - BX Clamps | TS Bracket                 |
| 410<br><b>(88217019)</b> | SWB-25<br><b>(88255125)</b>   | TP100<br><b>(94048121)</b> | 1 $\frac{1}{2}$ " | 7.5"     | Pri-outs            | -                        | -                   | Non-metallic Sheathed                               | Ears,<br>Non-gangable Ears |
| 471<br><b>(88217041)</b> | LCOW-25<br><b>(88255069)</b>  | TP138<br><b>(94048132)</b> | 2 $\frac{1}{4}$ " | 10.5"    | Pri-outs            | -                        | $\frac{1}{2}$ " - 1 | Non-metallic Sheathed                               | Ears                       |
| -<br>-                   | LCV-25<br><b>(88255071)</b>   | -<br>-                     | 2 $\frac{1}{4}$ " | 10.5"    | Pri-outs            | $\frac{1}{2}$ " - 1      | $\frac{1}{2}$ " - 1 | Non-metallic Sheathed                               | FA Bracket                 |
| 487<br><b>(88217046)</b> | LCOWC<br><b>(88255070)</b>    | TP137<br><b>(91002556)</b> | 2 $\frac{1}{4}$ " | 10.5"    | Pri-outs            | -                        | $\frac{1}{2}$ " - 1 | Non-metallic Sheathed                               | Ears, Old Work Ears        |
| 519<br><b>(88217064)</b> | LXWOW-25<br><b>(88255082)</b> | TP162<br><b>(94048139)</b> | 2 $\frac{1}{2}$ " | 12.5"    | Pri-outs            | -                        | $\frac{1}{2}$ " - 1 | Non-metallic Sheathed                               | Ears                       |
| 528<br><b>(88217072)</b> | LXWLE-25<br><b>(88255081)</b> | TP158<br><b>(97231031)</b> | 2 $\frac{1}{2}$ " | 12.5"    | Pri-outs            | $\frac{1}{2}$ " - 2      | $\frac{1}{2}$ " - 1 | Non-metallic Sheathed                               | No Ears                    |
| 531<br><b>(88217075)</b> | LXWV-25<br><b>(88255086)</b>  | TP170<br><b>(97231037)</b> | 2 $\frac{1}{2}$ " | 12.5"    | Pri-outs            | $\frac{1}{2}$ " - 2      | $\frac{1}{2}$ " - 1 | Non-metallic Sheathed                               | FA Bracket                 |
| 529<br><b>(88217073)</b> | 806-SW<br><b>(88254981)</b>   | TP164<br><b>(97231033)</b> | 2 $\frac{1}{2}$ " | 12.5"    | Pri-outs            | $\frac{1}{2}$ " - 2      | $\frac{1}{2}$ " - 1 | Non-metallic Sheathed                               | B Bracket                  |
| 567<br><b>(88217106)</b> | CWN-25<br><b>(88255012)</b>   | TP662<br><b>(94048247)</b> | 2 $\frac{3}{4}$ " | 14.0"    | $\frac{1}{2}$ " - 4 | $\frac{1}{2}$ " - 2      | $\frac{1}{2}$ " - 1 | Non-metallic Sheathed                               | Ears                       |
| 564<br><b>(88217103)</b> | CWNV-25<br><b>(88255014)</b>  | TP664<br><b>(97231277)</b> | 2 $\frac{3}{4}$ " | 14.0"    | $\frac{1}{2}$ " - 2 | $\frac{1}{2}$ " - 2      | $\frac{1}{2}$ " - 1 | Non-metallic Sheathed                               | FA Bracket                 |
| 601<br><b>(88217119)</b> | CXWOW<br><b>(88255023)</b>    | TP238<br><b>(94048564)</b> | 3 $\frac{1}{2}$ " | 18.0"    | $\frac{1}{2}$ " - 4 | $\frac{1}{2}$ " - 2      | $\frac{1}{2}$ " - 1 | Non-metallic Sheathed                               | Ears                       |
| 605<br><b>(88217123)</b> | CXWV<br><b>(88255024)</b>     | TP242<br><b>(94048567)</b> | 3 $\frac{1}{2}$ " | 18.0"    | $\frac{1}{2}$ " - 4 | $\frac{1}{2}$ " - 2      | $\frac{1}{2}$ " - 1 | Non-metallic Sheathed                               | TS Bracket                 |
| 603<br><b>(88217121)</b> | -<br>-                        | TP240<br><b>(94048565)</b> | 3 $\frac{1}{2}$ " | 18.0"    | $\frac{1}{2}$ " - 4 | $\frac{1}{2}$ " - 2      | $\frac{1}{2}$ " - 1 | Non-metallic Sheathed                               | B Bracket                  |

# Boxes & Fittings

## Boxes, Electrical - Gang • Boxes, Electrical - Switch

### Gang Boxes

RACO® / Steel City® / Cooper Crouse-Hinds



| RACO              | Steel City               | Cooper Crouse-Hinds | Number of Gangs | Depth                           | Width                           | Length                             | Cubic Capacity |
|-------------------|--------------------------|---------------------|-----------------|---------------------------------|---------------------------------|------------------------------------|----------------|
| 951<br>(88217374) | 2G-1/2&3/4<br>(88254718) | TP629<br>(97231258) | 2               | 1 <sup>5</sup> / <sub>8</sub> " | 4 <sup>1</sup> / <sub>2</sub> " | 6 <sup>13</sup> / <sub>16</sub> "  | 47.0           |
| 952<br>(88217375) | 3G-1/2&3/4<br>(88254727) | TP630<br>(97231259) | 3               | 1 <sup>5</sup> / <sub>8</sub> " | 4 <sup>1</sup> / <sub>2</sub> " | 8 <sup>5</sup> / <sub>8</sub> "    | 60.0           |
| 953<br>(88217376) | 4G-1/2&3/4<br>(88254732) | TP631<br>(97231260) | 4               | 1 <sup>5</sup> / <sub>8</sub> " | 4 <sup>1</sup> / <sub>2</sub> " | 10 <sup>-7</sup> / <sub>16</sub> " | 72.8           |
| 954<br>(88217377) | 5G-1/2&3/4<br>(88254894) | TP640<br>(97231264) | 5               | 1 <sup>5</sup> / <sub>8</sub> " | 4 <sup>1</sup> / <sub>2</sub> " | 12 <sup>1</sup> / <sub>4</sub> "   | 85.8           |
| 955<br>(88217378) | 6G-1/2&3/4<br>(88254927) | TP641<br>(97231265) | 6               | 1 <sup>5</sup> / <sub>8</sub> " | 4 <sup>1</sup> / <sub>2</sub> " | 14 <sup>1</sup> / <sub>16</sub> "  | 98.5           |
| 956<br>(88217379) | -                        | -                   | 7               | 1 <sup>5</sup> / <sub>8</sub> " | 4 <sup>1</sup> / <sub>2</sub> " | 15 <sup>7</sup> / <sub>8</sub> "   | 111.5          |
| 957<br>(88217380) | -                        | -                   | 8               | 1 <sup>5</sup> / <sub>8</sub> " | 4 <sup>1</sup> / <sub>2</sub> " | 17 <sup>11</sup> / <sub>16</sub> " | 124.5          |
| 958<br>(88217381) | -                        | -                   | 9               | 1 <sup>5</sup> / <sub>8</sub> " | 4 <sup>1</sup> / <sub>2</sub> " | 19 <sup>1</sup> / <sub>2</sub> "   | 137.3          |

### Switch Boxes

Steel City®



2G4D-1/2 & 3/4



LXOW-25

#### Features

- Finish Galvanized or Zinc Galvanized

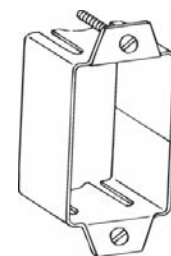
| Mfg. No.       | Advanced ID | Volume       | Side Conduit Knockouts  | Mounting                              | Gang Size   | End Conduit Knockouts   | Dimensions   |
|----------------|-------------|--------------|-------------------------|---------------------------------------|-------------|-------------------------|--|
| 2G4D-1/2 & 3/4 | 88254719    | 30.3 cu. in. | (4) 1/2 in. (2) 3/4 in. | Nail or Screw                         | 2-Gang      | (4) 1/2 in. (2) 3/4 in. | 4W x 4H x 2 <sup>1</sup> / <sub>8</sub> D in.                                |
| 3G4D-1/2       | 95016222    | -            | (4) 1/2 in. Knockout    | Nail or Screw                         | 3-Gang      | (6) 1/2 in. Knockout    | 5 <sup>13</sup> / <sub>16</sub> W x 4H x 2 <sup>1</sup> / <sub>8</sub> D in. |
| 3G4D-B-1/2     | 95000414    | -            | (2) 1/2 in. Knockout    | Bracket,B                             | 3-Gang      | (6) 1/2 in. Knockout    | 5 <sup>13</sup> / <sub>16</sub> W x 4H x 2 <sup>1</sup> / <sub>8</sub> D in. |
| CDOW           | 88255003    | 12.5 cu. in. | (2) 1/2 in.             | Ears Flush                            | Single-Gang | (2) 1/2 in.             | 2W x 3H x 2 <sup>1</sup> / <sub>2</sub> D in.                                |
| CDOWTG-25      | 90009638    | 12.5 cu. in. | (2) 1/2 in.             | Ears Flush w/ Support Clips           | Single-Gang | (2) 1/2 in.             | 2W x 3H x 2 <sup>1</sup> / <sub>2</sub> D in.                                |
| CDV-25         | 88255004    | 12.5 cu. in. | (2) 1/2 in.             | CV-Bracket Recessed 7/8 in.           | Single-Gang | (2) 1/2 in.             | 2W x 3H x 2 <sup>1</sup> / <sub>2</sub> D in.                                |
| CW-X-25        | 88255016    | 14.0 cu. in. | (2) 1/2 in.             | Ears Flush                            | Single-Gang | (4) Cable               | 2W x 3H x 2 <sup>3</sup> / <sub>4</sub> D in.                                |
| CW-XV-25       | 88255018    | 14.0 cu. in. | (2) 1/2 in.             | CV-Bracket Recessed 7/8 in.           | Single-Gang | (4) Cable               | 2W x 3H x 2 <sup>3</sup> / <sub>4</sub> D in.                                |
| CW-1/2         | 88255008    | 14.0 cu. in. | (2) 1/2 in.             | Ears Flush                            | Single-Gang | (2) 1/2 in.             | 2W x 3H x 2 <sup>3</sup> / <sub>4</sub> D in.                                |
| CW3/4-25       | 88255009    | 14.0 cu. in. | (2) 3/4 in.             | Ears Flush                            | Single-Gang | (2) 3/4 in.             | 2W x 3H x 2 <sup>3</sup> / <sub>4</sub> D in.                                |
| CWV-1/2        | 88255015    | 14.0 cu. in. | (2) 1/2 in.             | CV-Bracket Recessed 7/8 in.           | Single-Gang | (2) 1/2 in.             | 2W x 3H x 2 <sup>3</sup> / <sub>4</sub> D in.                                |
| CX             | 88255019    | 18.0 cu. in. | (4) 1/2 in.             | Ears Flush                            | Single-Gang | (4) Cable (2) 1/2 in.   | 2W x 3H x 3 <sup>1</sup> / <sub>2</sub> D in.                                |
| CY-3/4         | 88255026    | 18.0 cu. in. | (4) 3/4 in.             | Ears Flush                            | Single-Gang | (4) 3/4 in.             | 2W x 3H x 3 <sup>1</sup> / <sub>2</sub> D in.                                |
| LXMOW-25       | 88255074    | 10.5 cu. in. | None                    | Ears Flush for Old Work               | Single-Gang | (4) Cable               | 2W x 3H x 2D in.   |
| LXOW-25        | 88255077    | 12.5 cu. in. | (2) 1/2 in.             | Ears Flush for Old Work               | Single-Gang | (4) Cable               | 2W x 3H x 2 <sup>1</sup> / <sub>2</sub> D in.                                |
| LXOWC-25       | 88255078    | 12.5 cu. in. | (2) 1/2 in.             | Ears Adapts to 3/4 in. Wall Thickness | Single-Gang | (4) Cable               | 2W x 3H x 2 <sup>1</sup> / <sub>2</sub> D in.                                |

## Switch Box Extension

Steel City®

Benefits

- Fits Snugly Inside of All Single Gang Switch Boxes
- UL Listing Not Applicable—Subject to Approval By Local Inspector



| Mfg. No. | Advanced ID     | Material | Features                                    | Dimensions                                    | Type                 |
|----------|-----------------|----------|---|---|----------------------|
| SBEX     | <b>88255120</b> | Steel    | Includes 1 1/4 in. Long Screws for Mounting | 3.5 cu. in., 7/8 in. Maximum Adjustable Depth | Switch Box Extension |

## Gang Box Covers

RACO® / Steel City® / Cooper Crouse-Hinds



| RACO              | Steel City          | Cooper Crouse-Hinds | Number of Gangs | Description              | Width     |
|-------------------|---------------------|---------------------|-----------------|--------------------------|-----------|
| 844<br>(88217316) | 2-GCB<br>(88254711) | TP802<br>(97231311) | 2               | Flat Blank               | 7"        |
| 845<br>(88217317) | 3-GCB<br>(88254723) | TP803<br>(97231312) | 3               | Flat Blank               | 8-13/16"  |
| 846<br>(88217318) | 4-GCB<br>(88254730) | TP804<br>(97231313) | 4               | Flat Blank               | 10-5/8"   |
| 847<br>(88217319) | 5-GCB<br>(88254735) | TP805<br>(97231314) | 5               | Flat Blank               | 12-7/16"  |
| 848<br>(88217320) | 6-GCB<br>(88254897) | TP806<br>(97231315) | 6               | Flat Blank               | 14-1/4"   |
| 849<br>(88217321) | -                   | -                   | 7               | Flat Blank               | 16-1/8"   |
| 850<br>(88217322) | -                   | -                   | 8               | Flat Blank               | 17-15/16" |
| 851<br>(88217323) | -                   | -                   | 9               | Flat Blank               | 19-3/4"   |
| 821<br>(88217293) | 2-GC<br>(88254710)  | TP657<br>(97231273) | 2               | Device Cover raised 3/4" | 7"        |
| 822<br>(88217294) | 3-GC<br>(88254722)  | TP653<br>(94048624) | 3               | Device Cover raised 3/4" | 8-13/16"  |
| 823<br>(88217295) | 4-GC<br>(88254729)  | TP655<br>(97231272) | 4               | Device Cover raised 3/4" | 10-5/8"   |
| 824<br>(88217296) | 5-GC<br>(88254734)  | TP661<br>(97231275) | 5               | Device Cover raised 3/4" | 12-7/16"  |
| 825<br>(88217297) | 6-GC<br>(88254896)  | TP667<br>(97231280) | 6               | Device Cover raised 3/4" | 14-1/4"   |
| 826<br>(88217298) | -                   | -                   | 7               | Device Cover raised 3/4" | 16-1/8"   |
| 827<br>(88217299) | -                   | -                   | 8               | Device Cover raised 3/4" | 17-15/16" |
| 828<br>(88217300) | -                   | -                   | 9               | Device Cover raised 3/4" | 19-3/4"   |

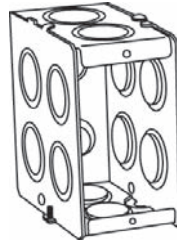


# Boxes & Fittings

## Boxes, Electrical - Masonry • Boxes, Electrical - Concrete Rings

### Masonry Boxes

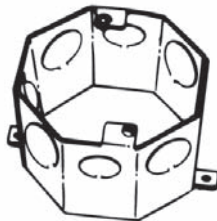
RACO® / Steel City® / Cooper Crouse-Hinds



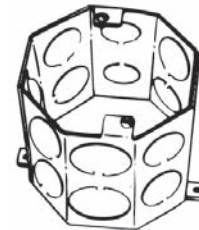
| RACO                     | Steel City                    | Cooper Crouse-Hinds         | Gangs | Depth  | Height | Width    | Side KO's | End KO's | Bottom KO's | Cubic inch Capacity |
|--------------------------|-------------------------------|-----------------------------|-------|--------|--------|----------|-----------|----------|-------------|---------------------|
| 690<br><b>(88217152)</b> | GW-125-G<br><b>(93169571)</b> | TP 682<br><b>(97221313)</b> | 1     | 2 1/2" | 3 3/4" | 1 15/16" | 4         | 2        | 2           | 15.0                |
| 691<br><b>(88217153)</b> | GW-225-G<br><b>(93169573)</b> | TP683<br><b>(97215447)</b>  | 2     | 2 1/2" | 3 3/4" | 3 3/4"   | 4         | 4        | 4           | 31.0                |
| 692<br><b>(88217154)</b> | GW-325-G<br><b>(93169575)</b> | TP684<br><b>(97231291)</b>  | 3     | 2 1/2" | 3 3/4" | 5 9/16"  | 4         | 6        | 6           | 46.5                |
| 693<br><b>(88217155)</b> | GW-425-G<br><b>(93169576)</b> | TP685<br><b>(97231292)</b>  | 4     | 2 1/2" | 3 3/4" | 7 3/8"   | 4         | 8        | 8           | 62.0                |
| 694<br><b>(88217156)</b> | GW-525-G<br><b>(93169578)</b> | TP686<br><b>(97231293)</b>  | 5     | 2 1/2" | 3 3/4" | 9 3/16"  | 4         | 10       | 10          | 77.5                |
| 960<br><b>(88217382)</b> | GW-625-G<br><b>(93169580)</b> | TP687<br><b>(97231294)</b>  | 6     | 2 1/2" | 3 3/4" | 11"      | 4         | 12       | 12          | 93.0                |
| 695<br><b>(88217157)</b> | GW-135-G<br><b>(93169572)</b> | TP690<br><b>(94048253)</b>  | 1     | 3 1/2" | 3 3/4" | 1 15/16" | 4         | 2        | 2           | 22.0                |
| 696<br><b>(88217158)</b> | GW-235-G<br><b>(93169574)</b> | TP691<br><b>(94048625)</b>  | 2     | 3 1/2" | 3 3/4" | 3 3/4"   | 4         | 4        | 4           | 44.0                |
| 697<br><b>(88217159)</b> | GW-335-G<br><b>(93169570)</b> | TP692<br><b>(94048626)</b>  | 3     | 3 1/2" | 3 3/4" | 5 9/16"  | 4         | 6        | 6           | 66.5                |
| 698<br><b>(88217160)</b> | GW-435-G<br><b>(93169577)</b> | TP693<br><b>(97215452)</b>  | 4     | 3 1/2" | 3 3/4" | 7 3/8"   | 4         | 8        | 8           | 88.0                |
| 699<br><b>(88217161)</b> | GW-535-G<br><b>(93169579)</b> | TP694<br><b>(97215449)</b>  | 5     | 3 1/2" | 3 3/4" | 9 3/16"  | 4         | 10       | 10          | 110.0               |
| 965<br><b>(88217387)</b> | GW-635-G<br><b>(93169581)</b> | TP695<br><b>(97231297)</b>  | 6     | 3 1/2" | 3 3/4" | 11"      | 4         | 12       | 12          | 132.0               |

### Concrete Boxes

Steel City®



54551-1/2-3/4



54561-1/2-3/4

| Mfg. No.      | Advanced ID     | Side Conduit Knockouts             | Dimensions              | Volume       |
|---------------|-----------------|------------------------------------|-------------------------|--------------|
| 54531-1/2-3/4 | <b>88254861</b> | (4) 1/2 in. (4) 3/4 in. Single Row | 4 Octagon x 2 D in.     | 23.0 cu. in. |
| 54551-1/2-3/4 | <b>88254863</b> | (4) 1/2 in. (4) 3/4 in. Single Row | 4 Octagon x 3 D in.     | 35.0 cu. in. |
| 54561-1/2-3/4 | <b>88254865</b> | (4) 1/2 in. (4) 3/4 in. Double Row | 4 Octagon x 3 1/2 D in. | 41.0 cu. in. |

## Joist Mount, Press-On Fan/Fixture Mounting Boxes

Arlington Industries, Inc.



FB415



FB426

The fastest, easiest way to mount fans and fixtures.

### Benefits

- Ready to Install
- Two-Hour Fire Rating
- Supports Fans/Up to 70 lbs., Fixtures Up to 200 lbs.
- No Loose Pieces to Misplace

### Features

- Ships with Installed NM Cable Connector and Mud Cover in Place
- Gripping Tangs Press Hold to Joist While You Reach for Screwdriver

- Center Screw and Fan/Fixture Installation Screws Ship Captive

| Mfg. No. | Advanced ID | Description  |
|----------|-------------|--|
| FB415    | 99847198    | Box, Electrical, Round, 10.3 Cubic in., Ceiling, Plastic, 4 in. Dia., for 1/2 or 5/8 in. drywall |
| FB426    | 99968399    | Box, Electrical, Round, 16 Cubic in., Ceiling, Plastic, 4 in. Dia., for 1/2 or 5/8 in. drywall   |

## Siding, Box Mounting Kit

Arlington Industries, Inc.

For smooth, vertical mounting of fixtures/receptacles on siding.

### Benefits

- Installs Before or After Siding is Up
- For Smooth, Vertical Mounting of Fixtures/Receptacles on Siding

### Features

- UL Listed Electrical Box
- Deeper Box Accommodates GFCIs, in Addition to Standard Devices (8091F Only)
- Accommodates GFCI, Flanged, Paintable, UV Rated



| Mfg. No. | Advanced ID | Description   |
|----------|-------------|---|
| 8081F    | 95033572    | Siding Box Kit, White, Plastic, Opening 2.05 x 2.9 x 1.125D in. |
| 8091F    | 96007073    | Siding Box Kit, White, Plastic, Opening 2.05 x 2.9 x 1.625D in. |

## Siding, Mounting Block

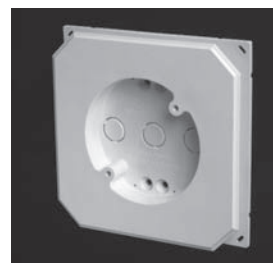
Arlington Industries, Inc.

### Benefits

- Mounts Light Fixture, Vertical on 1/2 in. Lap Siding

### Features

- Kit Includes Mounting Block with Built-In Electrical Box, NM Cable Connector, Four Screws
- 6.625W x 6.625H in.
- 1/2 in. Lap



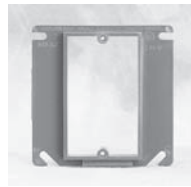
| Mfg. No. | Advanced ID | Description                          |
|----------|-------------|--------------------------------------|
| 8141     | 98304111    | White, Plastic, Opening 4 x 1/2D in. |

# Boxes & Fittings

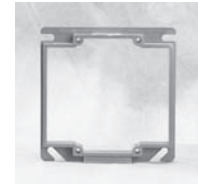
## Boxes, Electrical - Covers • Boxes, Electrical - Switch

### Non-Metallic Box Covers

Allied Moulded Products / Carlon / Challenger / Bowers



Single Gang Device Adapter



2 Gang Device Adapter

| Allied             | Carlon                  | Challenger               | Bowers              | Size | Shape  | Rise   | Description                |
|--------------------|-------------------------|--------------------------|---------------------|------|--------|--------|----------------------------|
| 9315<br>(88005309) | E460R-CAR<br>(88055400) | 4052-BROWN<br>(88058070) | -<br>-              | 4"   | Round  | -      | Blank                      |
| 9344<br>(88005383) | A400<br>(88054415)      | -<br>-                   | 4S-B<br>(88037613)  | 4"   | Square | -      | Blank                      |
| 9345<br>(88005384) | A410<br>(88054416)      | 4042-12<br>(88058067)    | 4S-1G<br>(88037610) | 4"   | Square | 1/2"   | Single Gang Device Adapter |
| -                  | A411<br>(88054417)      | -<br>-                   | -<br>-              | 4"   | Square | 5/8"   | Single Gang Device Adapter |
| -                  | A412<br>(88054418)      | -<br>-                   | -<br>-              | 4"   | Square | 3/4"   | Single Gang Device Adapter |
| -                  | A413<br>(88054419)      | -<br>-                   | -<br>-              | 4"   | Square | 1"     | Single Gang Device Adapter |
| -                  | A414<br>(88054420)      | -<br>-                   | -<br>-              | 4"   | Square | 1 1/4" | Single Gang Device Adapter |
| 9346<br>(88005385) | A420<br>(88054422)      | 4022-12<br>(88058060)    | 4S-2G<br>(88037611) | 4"   | Square | 1/2"   | 2 Gang Device Adapter      |
| -                  | A421<br>(88054423)      | -<br>-                   | -<br>-              | 4"   | Square | 5/8"   | 2 Gang Device Adapter      |
| -                  | A422<br>(88054424)      | -<br>-                   | -<br>-              | 4"   | Square | 3/4"   | 2 Gang Device Adapter      |

### Non-Metallic Switch Boxes

Allied Moulded Products / Carlon / Challenger (Phenolic) / Challenger (PVC) / Bowers



1 Gang



2 Gang



3 Gang

| Allied                | Carlon                  | Challenger (Phenolic)  | Challenger (PVC)       | Bowers                | Volume | Gangs | Depth    | Width  | Length | KO's | Clamps |
|-----------------------|-------------------------|------------------------|------------------------|-----------------------|--------|-------|----------|--------|--------|------|--------|
| -                     | B116A<br>(88055369)     | 2030<br>(88058016)     | -<br>-                 | -<br>-                | 16     | 1     | 2 1/2"   | 2 1/4" | 3 3/4" | 4    | -      |
| -                     | -                       | 2030-502<br>(88058017) | -<br>-                 | -<br>-                | 16     | 1     | 2 1/2"   | 2 1/4" | 3 3/4" | 4    | -      |
| 1096-N<br>(88005219)  | B118A<br>(88055372)     | 2000<br>(88058010)     | SN-18<br>(88058167)    | 118-N<br>(88037377)   | 18     | 1     | 2 7/8"   | 2 1/4" | 3 3/4" | 4    | -      |
| 1096-Z4<br>(88005226) | B118B-UPC<br>(88055373) | 2000-738<br>(88058011) | SB-18<br>(88298272)    | 118-LB<br>(88037375)  | 18     | 1     | 2 15/16" | 2 1/4" | 3 3/4" | 4    | -      |
| 1098-N<br>(88005228)  | B120A-UPC<br>(88055376) | 1250-UB<br>(88058009)  | SN-21<br>(88058169)    | 120-N<br>(88037382)   | 20     | 1     | 3 1/4"   | 2 1/4" | 3 7/8" | 4    | -      |
| 2300-NK<br>(88005234) | B232A-UPC<br>(88055378) | 1052-C<br>(88058007)   | SN-236<br>(88314244)   | 234-N<br>(88037414)   | 32     | 2     | 3"       | 4"     | 3 3/4" | -    | 8      |
| 3300-NK<br>(88005254) | B344A-UPC<br>(88055383) | 1043-C<br>(88058002)   | SN-357<br>(91033259)   | 345-N<br>(88037434)   | 44     | 3     | 2 11/16" | 3 3/4" | 5 5/8" | -    | 12     |
| -                     | B432A-UPC<br>(88055385) | 4000-N<br>(88058056)   | 4S-1310C<br>(89023349) | 4S-32-N<br>(88037612) | 32     | 2     | 2 1/2"   | 4"     | 4"     | -    | 10     |

## Non-Metallic Switch Boxes

### Challenger

#### Benefits

- 150°C Heat Rated Material
- Classified for Two Hour Firewall/Fireceiling



SB18

| Mfg. No.                   | Advanced ID     | Knockouts                    | Features  | Gang Size | Mounting   | Volume       |
|----------------------------|-----------------|------------------------------|---|-----------|--|--------------|
| <b>Reinforced Phenolic</b> |                 |                              |   |           |  |              |
| 1063-C                     | <b>92104142</b> | (12) Metal Stamped Clamps    | High Clamps, Plaster Seal, Positive Positioning Guide | 3         | Compound Angled Nails  | 58.5 cu. in. |
| 1072-C                     | <b>92084645</b> | (8) Metal Stamped Clamps     | High Clamps, Plaster Seal, Positive Positioning Guide | 2         | Compound Angled Nails  | 40.5 cu. in. |
| 1250-112                   | <b>90074604</b> | (4) Cable                    | Plaster Seal  | 1         | Wood or Steel Stud Bracket, 1/2 in. Offset                   | 20.3 cu. in. |
| 6062-4-UB                  | <b>88058110</b> | (8) Metal Stamped Clamps     | High Clamps, Plaster Seal                             | 2         | #4 Swing Bracket with Plaster Ears                           | 25.0 cu. in. |
| 6070-4-UB                  | <b>88058114</b> | (4) Metal Stamped Clamps     | High Clamps, Plaster Seal                             | 1         | #4 Swing Bracket with Plaster Ears                           | 18.0 cu. in. |
| 7010-8                     | <b>88058122</b> | (4) Metal Stamped Clamps     | High Clamps, Plaster Seal                             | 1         | #8 Snap-In Bracket, Plaster Ears                             | 12.5 cu. in. |
| 7020-8                     | <b>88058125</b> | (4) Metal Stamped Clamps     | High Clamps, Plaster Seal                             | 1         | #8 Snap-In Bracket, Plaster Ears                             | 10.0 cu. in. |
| 7074-02-BH                 | <b>88058138</b> | (16) Metal Stamped Clamps    | Bulk Packed Clamps, Plaster Seal                      | 4         | Slide Bracket and Stabilizing Bar                            | 48.0 cu. in. |
| <b>Thermoplastic</b>       |                 |                              |   |           |  |              |
| E-14-4                     | <b>93152527</b> | (4) Molded Fast Clamps       | -   | 1         | #4 Swing Bracket with Thermoplastic Plaster Ears             | 14.0 cu. in. |
| E-16-8                     | <b>91014848</b> | (4) Molded Fast Clamps       | -   | 1         | #4 Snap-In Bracket with Thermoplastic Plaster Ears           | 16.0 cu. in. |
| E-18-4                     | <b>99821268</b> | (4) Integral Molded V Clamps | -   | 1         | #4 Swing Bracket with Thermoplastic Plaster Ears             | 18.0 cu. in. |
| E-21-4                     | <b>91033470</b> | (4) Molded Fast Clamps       | -   | 1         | #4 Swing Bracket with Thermoplastic Plaster Ears             | 21.0 cu. in. |
| E-232-4                    | <b>97118346</b> | (8) Cable                    | -   | 2         | #4 Swing Brackets  | 32.0 cu. in. |
| MB-18                      | <b>92118873</b> | (4) Cable                    | -   | 1         | Wood or Steel Stud Molded Side Bracket                       | 18.0 cu. in. |
| RN-18                      | <b>90082872</b> | (4) Cable                    | -   | 1         | Recessed Angled Nails  | 18.0 cu. in. |
| RN-21                      | <b>91001893</b> | (4) Cable                    | -   | 1         | Recessed Angled Nails  | 20.5 cu. in. |
| RN-23                      | <b>91011203</b> | (4) Cable                    | -   | 1         | Recessed Angled Nails  | 22.5 cu. in. |
| SB-18                      | <b>88298272</b> | (4) Cable                    | -   | 1         | Wood or Steel Stud Bracket, 3/8 in. Offset, Wallboard Tabs   | 18.0 cu. in. |
| SB2-236-FS                 | <b>90009209</b> | (8) Fast Clamps              | -   | 2         | 2 Wood or Steel Stud Brackets, 3/8 in. Offset Wallboard Tabs | 36.0 cu. in. |
| SB2-357-FS                 | <b>93173343</b> | (12) Fast Clamps             | -   | 3         | Compound Angled Nails, 3/8 in. Offset Wallboard Tabs         | 56.5 cu. in. |
| SN-18                      | <b>88058167</b> | (4) Cable                    | -   | 1         | Angled Side Nails  | 18.0 cu. in. |
| SN-18-FS                   | <b>90062675</b> | (4) Cable                    | Fast Set  | 1         | Angled Side Nails  | 18.0 cu. in. |
| SN-21                      | <b>88058169</b> | (4) Cable                    | -   | 1         | Angled Side Nails  | 20.5 cu. in. |
| SN-236                     | <b>88314244</b> | (8) Fast Clamps              | -   | 2         | Compound Angled Nails, 3/8 in. Offset Wallboard Tabs         | 34.0 cu. in. |
| SN-241                     | <b>92122218</b> | (8) Fast Clamps              | -   | 2         | Compound Angled Nails, 3/8 in. Offset Wallboard Tabs         | 41.0 cu. in. |
| SN-357                     | <b>91033259</b> | (24) Fast Clamps             | 3/8 in. Offset Wallboard Tabs                         | 3         | Compound Angled Nails  | 56.5 cu. in. |
| SNO-18                     | <b>98324309</b> | (4) Cable                    | Hinge Closure   | 1         | Angled Side Nails  | 18.0 cu. in. |

### Non-Metallic Electrical Switch Box

#### Bowers

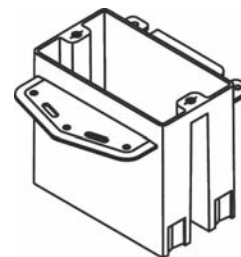
Designed with lateral brackets and side supports for steel stud.

#### Benefits

- Single Gang Box with Threaded Screw Cavity– 20.3 cu. in. Capacity

#### Features

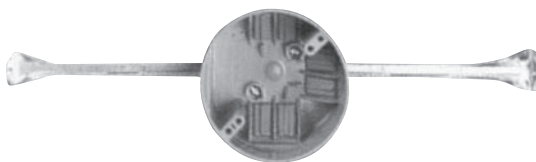
- Non-Metallic Polycarbonate Material



| Mfg. No. | AdvancedID      | Knockouts                    | Features                                  | Gang Size   | Mounting  | Volume       |
|----------|-----------------|------------------------------|---|-------------|---|--------------|
| 114-OW   | <b>88037373</b> | (4) Posi-Wedge Clamps        | Wallboard Clamps Adjustable 1/8 - 3/4 in. | Single-Gang | Swing Clamps, Old Work                            | 14.0 cu. in. |
| 118-LB   | <b>88037375</b> | (4) Layback Knockout         | Threaded Screw Cavity                     | Single-Gang | Lateral Brackets and Side Supports for Steel Stud | 18.0 cu. in. |
| 118-N    | <b>88037377</b> | (4) Layback Knockout         | No-Distort Captive Nail Supports          | Single-Gang | Angled Captive Nails                              | 18.0 cu. in. |
| 120LB    | <b>98294640</b> | (4) Layback Knockout         | Threaded Screw Cavity                     | Single-Gang | Lateral Brackets and Side Supports for Steel Stud | 20.3 cu. in. |
| 122-LB   | <b>97190375</b> | (4) Layback Knockout         | Threaded Screw Cavity                     | Single-Gang | Lateral Brackets and Side Supports for Steel Stud | 22.5 cu. in. |
| 122LBP   | <b>98294641</b> | (4) Layback Knockout         | Posi-Set Device Mounting Clips            | Single-Gang | Lateral Brackets and Side Supports for Steel Stud | 22.5 cu. in. |
| 122-N    | <b>94006468</b> | (4) Layback Knockout         | No-Distort Captive Nail Supports          | Single-Gang | Angled Captive Nails                              | 22.5 cu. in. |
| 232-OW   | <b>98311932</b> | (16) Posi-Wedge Cable Clamps | Back Support Slide Bracket                | 4-Gang      | (2) Nails with Stabilizing Brackets               | 60.0 cu. in. |
| 234-LB   | <b>88037412</b> | (8) Posi-Wedge Cable Clamps  | -   | 2-Gang      | Lateral Brackets, 3/8 in. Offset                  | 34.0 cu. in. |
| 234-N    | <b>88037414</b> | (8) Posi-Wedge Cable Clamps  | Two Nails                                 | 2-Gang      | Angled Captive Nails                              | 34.0 cu. in. |
| 345-LB   | <b>88037433</b> | (12) Posi-Wedge Cable Clamps | Two Nails                                 | 2-Gang      | Lateral Brackets, 3/8 in. Offset                  | 45.0 cu. in. |
| 345-N    | <b>88037434</b> | (12) Posi-Wedge Cable Clamps | Two Nails                                 | 2-Gang      | Angled Captive Nails                              | 45.0 cu. in. |
| 460-LB   | <b>88037586</b> | (16) Posi-Wedge Cable Clamps | -   | 4-Gang      | Lateral Brackets, 3/8 in. Offset                  | 60.0 cu. in. |
| 460-SB   | <b>88037587</b> | (16) Posi-Wedge Cable Clamps | -   | 4-Gang      | (2) Nails with Stabilizing Brackets               | 60.0 cu. in. |
| 52-OW    | <b>88037676</b> | (1) 3/4 in.                  | Fully Threaded 2 in. Cleat Screws         | Single-Gang | Ears Plaster Board Cleats                         | 12.5 cu. in. |

### Non-Metallic Ceiling Boxes

Allied Moulded Products / Carlon / Challenger (Phenolic) / Challenger (PVC) / Bowers



| Allied                         | Carlon                          | Challenger (Phenolic)           | Challenger (PVC)                 | Bowers                          | Volume | Diameter | Depth  | Clamps | Mounting Means                             |
|--------------------------------|---------------------------------|---------------------------------|----------------------------------|---------------------------------|--------|----------|--------|--------|--|
| 9351-NK<br><b>(88005414)</b>   | B520A-UPC<br><b>(88055389)</b>  | 4070-N<br><b>(88058087)</b>     | N-423-C<br><b>(92104137)</b>     | 4R-20-N<br><b>(88037608)</b>    | 20     | 4        | 2 3/8  | 6      | Nails<br>16"-24"                           |
| 9336-24<br><b>(99945263)</b>   | -<br>-                          | 3090-95<br><b>(88058043)</b>    | N-321-C-95<br><b>(94003228)</b>  | 3R-16-BH<br><b>(88037437)</b>   | 16     | 3 1/2    | 2 5/16 | 4      | Adjustable Bar Hanger<br>14 3/4" - 22 1/2" |
| 9350-24K<br><b>(88005399)</b>  | B620H-UPC<br><b>(88055392)</b>  | 4070-95<br><b>(88058083)</b>    | N-423-C-95<br><b>(92104139)</b>  | 4R-20-BH<br><b>(88037606)</b>   | 20     | 4        | 2 3/8  | 6      | Adjustable Bar Hanger<br>16"-24"           |
| 9350-24GK<br><b>(88005398)</b> | B620HG-UPC<br><b>(88055393)</b> | 4070-95-40<br><b>(88058084)</b> | N-423-GC-94<br><b>(92104151)</b> | 4R-20-BHGP<br><b>(88037607)</b> | 20     | 4        | 2 3/8  | 6      | Adjustable Bar Hanger                      |

## Box Cover

Arlington Industries, Inc.

Covers 4" round or octagonal boxes.

### Benefits

- Paintable Surface

### Features

- Comes with White Screws that Blend with Cover
- Non-Conductive Plastic and Will Not Rust



| Mfg. No. | Advanced ID | Dimensions |
|----------|-------------|------------|
| CP40     | 97118368    | 4 in. Dia. |

## Mounting Box, Plastic 90°

Arlington Industries, Inc.

### Benefits

- Centers Fan or Fixture in a Cathedral Ceiling
- Supports Fans/Fixtures Up to 70 lb
- Safe, Secure Installation

### Features

- Mounting Box with Built-In Electrical Box
- Ships with Parked in Place Installation Screws
- Fits Any Cathedral Ceiling up to 90°, UL Listed
- 8 in. Mounting Surface Handles Larger for Canopies



| Mfg. No. | Advanced ID | Description                  |
|----------|-------------|------------------------------|
| FB900    | 25045590    | Mounting Box, White, Plastic |

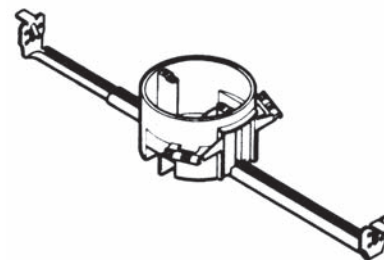
## Round Non-Metallic Ceiling Boxes

### Bowers

For use with Non-Metallic Sheathed Cable.

### Features

- Furnished with Four Posi-Wedge® Cable Clamps
- Fully Adjustable 16 - 24 in. Hanger
- Hanger Secured to Box with One Screw
- Made of Polycarbonate Material



| Mfg. No.                                 | Advanced ID | Dimensions       | Mounting                            | Volume       |
|--|-------------|------------------|-------------------------------------|--------------|
| <b>Nonmetallic 3½ Dia. Ceiling Boxes</b> |             |                  |                                     |              |
| 3R-16-OW                                 | 88037435    | 3½Dia. x 2¼D in. | Flange, Old Work                    | 16.0 cu. in. |
| 3R-16-OWGP                               | 88037436    | 3½Dia. x 2¼D in. | Flange, Old Work                    | 16.0 cu. in. |
| GP = Ground Plate                        |             |                  |                                     |              |
| 3R-16-BHGP                               | 88037438    | 3½Dia. x 2¼D in. | Bar Hanger, Adjustable 16 to 24 in. | 16.0 cu. in. |
| GP = Ground Plate                        |             |                  |                                     |              |
| <b>Nonmetallic 4 Dia. Ceiling Boxes</b>  |             |                  |                                     |              |
| 4R-20-N                                  | 88037608    | 4Dia. x 2¼D in.  | Angled Captive Nails                | 20.3 cu. in. |
| 4R-20-NGP                                | 88037609    | 4Dia. x 2¼D in.  | Angled Captive Nails                | 20.3 cu. in. |
| GP = Ground Plate                        |             |                  |                                     |              |

## Box Cover

### Challenger

### Benefits

- 150°C Heat Rated Material
- Classified for Two Hour Firewall/Fireceiling

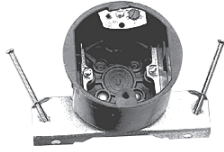


| Mfg. No.   | Advanced ID | Dimensions |
|------------|-------------|------------|
| 4062-WHITE | 90009205    | 4½Dia.     |



### Non-Metallic Ceiling Boxes

Challenger



Bracket, N with Nails



Compound Angled Nails

#### Benefits

- 150°C Heat Rated Material
- Classified for Two Hour Firewall/Fireceiling

| Mfg. No.    | Advanced ID     | Dimensions                 | Mounting                                | Volume       |
|-------------|-----------------|----------------------------|---|--------------|
| 3080-9      | <b>88058036</b> | 3 1/2 Dia. x 2 1/8 D in.   | Bracket, Snap-In, #9                    | 14.0 cu. in. |
| 3080-902*   | <b>92118905</b> | 3 1/2 Dia. x 2 1/8 D in.   | Bracket, Snap-In, #9                    | 14.0 cu. in. |
| 3090-94*    | <b>88058039</b> | 3 1/2 Dia. x 2 1/8 D in.   | Bar Hanger, Adjustable 12 1/4 to 19 in. | 13.5 cu. in. |
| 3090-95*    | <b>88058043</b> | 3 1/2 Dia. x 2 1/8 D in.   | Bar Hanger, Adjustable 16 1/2 to 27 in. | 13.5 cu. in. |
| 3090-95-40* | <b>88058044</b> | 3 1/2 Dia. x 2 1/8 D in.   | Bar Hanger, Adjustable 16 1/2 to 27 in. | 13.5 cu. in. |
| 3090-N**    | <b>88058047</b> | 3 1/2 Dia. x 2 1/8 D in.   | Bracket, N with Nails                   | 13.5 cu. in. |
| 3090-N-40** | <b>88058048</b> | 3 1/2 Dia. x 2 1/8 D in.   | Bracket, N with Nails                   | 13.5 cu. in. |
| 4070-9402** | <b>88058081</b> | 4 Dia. x 2 3/8 D in.       | Bar Hanger, Adjustable 12 1/4 to 19 in. | 20.8 cu. in. |
| 4070-9502** | <b>88058085</b> | 4 Dia. x 2 3/8 D in.       | Bar Hanger, Adjustable 16 1/2 to 27 in. | 20.8 cu. in. |
| 4070-N02**  | <b>88058088</b> | 4 Dia. x 2 3/8 D in.       | Bracket, N with Nails                   | 20.8 cu. in. |
| 4170**      | <b>88058090</b> | 4 Dia. x 2 7/16 D in.      | Compound Angled Side Nails              | 21.5 cu. in. |
| 4170-C**    | <b>88058092</b> | 4 Dia. x 2 7/16 D in.      | Compound Angled Side Nails              | 21.5 cu. in. |
| 4170-CFB*   | <b>94056913</b> | 4 1/16 Dia. x 2 7/16 D in. | Compound Angled Nails                   | 21.5 cu. in. |

\* Has clamps installed

\*\* Has Ground Strap

### Die-Cast Zinc Weather-Resistant Covers

Leviton Manufacturing Co.



| Mfg. No. | Advanced ID     | Description  | Features         | Color | Material |
|----------|-----------------|--|------------------|-------|----------|
| 4970     | <b>88156463</b> | Duplex or Combination Device, 1 Gang, Two Independent self-closing lids. | Horizontal Mount | Gray  | Zinc     |

## Raintight While-In-Use Covers

Leviton Manufacturing Co.



5976-GY



5997-GY

| Mfg. No.   | Advanced ID              | Description                       | Features         | Color | Material |
|--|--------------------------|-----------------------------------|------------------|-------|----------|
| <b>Raintight While-In-Use Covers</b>             |                          |                                   |                  |       |          |
| 5976-GY  | <a href="#">96049476</a> | Duplex receptacle, Gray, Standard | Vertical Mount   | Gray  | Plastic  |
| 5996-GY  | <a href="#">96049479</a> | Duplex receptacle, Gray, Standard | Horizontal Mount | Gray  | Plastic  |
| <b>Decora/GFCI Raintight While-In-Use Covers</b> |                          |                                   |                  |       |          |
| 5977-GY  | <a href="#">96049477</a> | Decora/GFCI Gray, Standard        | Vertical Mount   | Gray  | Plastic  |
| 5997-GY  | <a href="#">96049480</a> | Decora/GFCI Gray, Standard        | Horizontal Mount | Gray  | Plastic  |

## Thermoplastic Weather-Resistant Covers

Leviton Manufacturing Co.



4979-GY

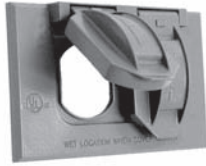


4998-GY

| Mfg. No.           | Advanced ID              | Description  | Features         | Color | Material |
|--------------------|--------------------------|--|------------------|-------|----------|
| 4979-GY            | <a href="#">90045446</a> | Single Receptacle Single-Gang Self-closing Lid                 | Horizontal Mount | Gray  | Plastic  |
| 4976-GY            | <a href="#">90011533</a> | Duplex or Combination Device Single-Gang two Self-closing Lids | Horizontal Mount | Gray  | Plastic  |
| 4978-GY            | <a href="#">90057108</a> | Duplex or Combination Device Single-Gang Self-closing Lid      | Vertical Mount   | Gray  | Plastic  |
| <b>Decora GFCI</b> |                          |  |                  |       |          |
| 4996-GY            | <a href="#">90057109</a> | Decora GFCI Single-Gang Self-Closing Lid                       | Horizontal Mount | Gray  | Plastic  |
| 4998-GY            | <a href="#">90057110</a> | Decora GFCI Single-Gang Self-Closing Lid                       | Vertical Mount   | Gray  | Plastic  |
| 4998-W             | <a href="#">96047038</a> | Decora GFCI Single-Gang Self-Closing Lid                       | Vertical Mount   | White | Plastic  |

### Weatherproof Box Covers

RACO® / Red-Dot® / Cooper Crouse-Hinds



Horizontal Duplex



Horizontal 2 Single



Vertical Single



Vertical Duplex

| RACO              | Red-Dot           | Cooper Crouse-Hinds | Gangs | Material | Style      | Description                               |
|-------------------|-------------------|---------------------|-------|----------|------------|---|
| 5180-0            | CCD               | TP7207              | 1     | Die Cast | Vertical   | For Dup Recp.                             |
| <b>(88218582)</b> | <b>(88220228)</b> | <b>(97215428)</b>   |       |          |            |   |
| 5155-0            | CCSV              | TP7202              | 1     | Die Cast | Vertical   | For Sgl Recp. Or SW                       |
| <b>(88218571)</b> | <b>(88220252)</b> | <b>(97215400)</b>   |       |          |            |   |
| 5152-0            | CCS               | TP7210              | 1     | Die Cast | Horizontal | For Sgl Recp. Or SW                       |
| <b>(88301448)</b> | <b>(88220248)</b> | <b>(97230870)</b>   |       |          |            |   |
| 5153-0            | CCMB              | -                   | 1     | Die Cast | Horizontal | Motor Plug Base, 15A 125V Device Included |
| <b>(88218569)</b> | <b>(88220245)</b> | -                   |       |          |            |   |
| 5027-0            | CCDV              | TP7199              | 1     | Die Cast | Vertical   | For Dup Recp.                             |
| <b>(88218892)</b> | <b>(88220233)</b> | <b>(97215399)</b>   |       |          |            |   |
| 5028-0            | CCGV              | TP7240              | 1     | Die Cast | Vertical   | For GFI Devices                           |
| <b>(88218893)</b> | <b>(88220241)</b> | <b>(97215443)</b>   |       |          |            |   |
| 5157-0            | 2CCS              | TP7220              | 2     | Die Cast | Horizontal | For 2 Sgl Recp.                           |
| <b>(88218566)</b> | <b>(88219815)</b> | <b>(97230871)</b>   |       |          |            |   |
| 5098-0            | 2CCSD             | TP7224              | 2     | Die Cast | Horizontal | For 1 Sgl and 1 Dup Recp.                 |
| <b>(88218544)</b> | <b>(88219819)</b> | <b>(97230872)</b>   |       |          |            |   |
| 5148-0            | 2CCD              | TP7228              | 2     | Die Cast | Horizontal | For 2 Dup Recp.                           |
| <b>(88218562)</b> | <b>(88219811)</b> | <b>(97215348)</b>   |       |          |            |   |
| 5146-0            | CCDV-L            | -                   | 1     | Die Cast | Vertical   | For Dup Recp - Can be locked              |
| <b>(88218564)</b> | <b>(88220236)</b> | -                   |       |          |            |   |
| 5148-0            | 2CCD-L            | -                   | 2     | Die Cast | Horizontal | For 2 Dup Recp - Can be locked            |
| <b>(88218562)</b> | <b>(88219814)</b> | -                   |       |          |            |   |
| 5030-0            | CCPO              | TP7218              | 1     | Die Cast | Vertical   | For Power Outlet, Recp. Or SW             |
| <b>(88218895)</b> | <b>(88220246)</b> | <b>(97215427)</b>   |       |          |            |   |
| 5173-0            | CCB               | TP7292              | 1     | Alum.    | Blank      | With Gasket                               |
| <b>(88218580)</b> | <b>(88220226)</b> | <b>(97215444)</b>   |       |          |            |   |
| 5175-0            | 2CCB              | TP7296              | 2     | Alum.    | Blank      | With Gasket                               |
| <b>(88218577)</b> | <b>(88219809)</b> | <b>(97215401)</b>   |       |          |            |   |
| 5002-0            | CCG-FS            | TP7236              | 1     | Alum.    | Horizontal | For GFI Devices                           |
| <b>(88218877)</b> | <b>(88220238)</b> | <b>(97215442)</b>   |       |          |            |   |
| 5040-0            | 2CCSG             | TP7244              | 2     | Alum.    | Vertical   | For 1 GFI Device and 1 Sgl Recp. or SW    |
| <b>(88218909)</b> | <b>(88219823)</b> | <b>(97221282)</b>   |       |          |            |   |

**Note:**  
Advanced ID in  
blue.

## Weatherproof Covers

RACO® / Red-Dot® / Cooper Crouse-Hinds



Rectangular Three 1/2" Holes



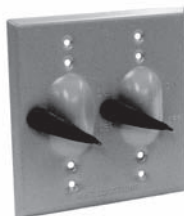
Round Three 1/2" Holes

| RACO                 | Red-Dot               | Cooper Crouse-Hinds  | Material | Style       | Description           |
|----------------------|-----------------------|----------------------|----------|-------------|-----------------------|
| 5193-0<br>(88218736) | S1-RD<br>(88221103)   | TP7300<br>(97215412) | Die Cast | Round       | With One 1/2" Hole    |
| -                    | SJ-21<br>(88221160)   | TP7304<br>(97230894) | Die Cast | Round       | With Two 1/2" Holes   |
| 5197-0<br>(88218740) | S-3-RD<br>(88221105)  | TP7308<br>(97221295) | Die Cast | Round       | With Three 1/2" Holes |
| 5186-0<br>(88218728) | LC-11 )<br>(88221038) | TP7312<br>(97215402) | Die Cast | Rectangular | With One 1/2" Hole    |
| -                    | -                     | TP7316<br>(97230900) | Die Cast | Rectangular | With Two 1/2" Holes   |
| 5189-0<br>(88218732) | LC-31<br>(88221039)   | TP7320<br>(97215403) | Die Cast | Rectangular | With Three 1/2" Holes |

For use with outdoor PAR lampholders. Furnished with gasket, plugs and screws.

## Weatherproof Flush Switches

RACO® / Red-Dot® / Cooper Crouse-Hinds



| RACO                 | Red-Dot                | Cooper Crouse-Hinds  | Gangs | Material | Style       | Description         |
|----------------------|------------------------|----------------------|-------|----------|-------------|---------------------|
| 5121-0<br>(88218548) | CCT-1<br>(88220257)    | TP7260<br>(97221292) | 1     | Aluminum | Single Pole | 15A-125V Switch     |
| 5128-0<br>(88218550) | CCT-1-20<br>(88220258) | -                    | 1     | Aluminum | Single Pole | 20A-120/277V Switch |
| 5129-0<br>(88218555) | CCT<br>(88220256)      | TP7256<br>(97230881) | 1     | Aluminum | Flush       | Plate Only          |
| 5141-0<br>(88218560) | CCT-3<br>(25019484)    | TP7264<br>(97230882) | 1     | Aluminum | 3-Way       | 15A-125V Switch     |
| 5124-0<br>(88218549) | 2CCT-1<br>(88219828)   | TP7272<br>(97230883) | 2     | Aluminum | Single Pole | 2-15A-125V Switch   |
| 5125-0<br>(88218552) | 2CCT<br>(88219827)     | TP7268<br>(97221293) | 2     | Aluminum | Flush       | Plate Only          |

### Weatherproof Box Holder

Arlington Industries, Inc.

Screws into the 3/4 in. KO in an electrical box and holds an entire assembly (conduit, box, and/or fixture) secure with a 1/2 in. rigid steel conduit or water pipe.

#### Benefits

- Holds Outdoor Box Assemblies Secure
- Minimizes Breakage and Damage from Lawn Maintenance or Other Equipment

#### Features

- In Addition to Supporting Outdoor Boxes, Uses Include:
- Stubbing Up Electrical Enclosures Above Concrete Slabs w/ Rigid Pipe
- Suspending Electrical Boxes w/ Rigid Pipe Between Bar Joists
- Suspending Fire Alarms or Smoke Detectors w/ Rigid Pipe Between Bar Joists
- Zinc Die Cast



| Mfg. No.   | Advanced ID | Description                      |
|--|-------------|----------------------------------|
| FS75   | 92043346    | Mounts Box to 1/2 in. Rigid Pipe |
| This Box Support also comes in 1/2 in size: FS50 in zinc |             |                                  |

### Weatherproof Lampholders

RACO® / Red-Dot® / Perfect-Line / Cooper Crouse-Hinds



| RACO                 | Red-Dot              | Perfect-Line       | Cooper Crouse-Hinds  | Material | Description  |
|----------------------|----------------------|--------------------|----------------------|----------|--|
| 5606-0<br>(88218697) | L-80<br>(88221037)   | WH1<br>(88202147)  | TP7163<br>(97215414) | Die Cast | For Lamps up to 150 Watts. With Internal Gasket.               |
| 5612-0<br>(88218703) | L-80-D<br>(88221035) | WHG1<br>(88202159) | TP7166<br>(97230855) | Die Cast | For Lamps up to 150 Watts. With Internal and External Gaskets. |

## Weatherproof Box Extensions

RACO® / Red-Dot® / Cooper Crouse-Hinds



| RACO                        | Red-Dot                     | Cooper Crouse-Hinds         | Gangs | Outlets<br>(size - number) | Depth (in.) |
|-----------------------------|-----------------------------|-----------------------------|-------|----------------------------|-------------|
| 5406-0<br><b>(88218788)</b> | IHE<br><b>(88221020)</b>    | TP7120<br><b>(97221310)</b> | 1     | -                          | 1"          |
| 5407-0<br><b>(88218789)</b> | 2IHE<br><b>(88220086)</b>   | TP7123<br><b>(97221311)</b> | 2     | -                          | 1"          |
| -                           | IHE4-1<br><b>(88221021)</b> | TP7173<br><b>(97215423)</b> | 1     | 1/2 - 4                    | 1 1/2"      |
| 5405-0<br><b>(88218787)</b> | -                           | TP7174<br><b>(97230857)</b> | 1     | 3/4 - 4                    | 1 1/2"      |
| 5363-0<br><b>(93152580)</b> | -                           | -                           | Round | 1/2 - 4                    | 1 1/2"      |

## Weatherproof Boxes

Hubbell Wiring Device-Kellems



| Mfg. No.  | Advanced ID     | Description  |
|-----------|-----------------|--|
| HBL60CM83 | <b>88127353</b> | Marine Grade Dockside Box, Fiberglass Type<br>FD Box Has Two 1 in. NPT (25.4). 4 <sup>9</sup> / <sub>16</sub> H x 2 <sup>15</sup> / <sub>16</sub> W<br>x 3 <sup>1</sup> / <sub>4</sub> D in. Has 22 Cubic in. Capacity, Yellow |

## Weatherproof Boxes

RACO® / Red-Dot® / Cooper Crouse-Hinds



| RACO                        | Red-Dot                   | Cooper Crouse-Hinds         | Outlets<br>(size - number) | Capacity<br>(cu. in.) |
|-----------------------------|---------------------------|-----------------------------|----------------------------|-----------------------|
| 5361-0<br><b>(88218744)</b> | S-47<br><b>(88221106)</b> | TP7146<br><b>(97215419)</b> | 1/2 - 5                    | 13.6                  |
| 5372-0<br><b>(88314768)</b> | S-48<br><b>(88221107)</b> | TP7150<br><b>(97230846)</b> | 3/4 - 5                    | 13.6                  |



### Weatherproof Boxes

RACO® / Red-Dot® / Cooper Crouse-Hinds



| RACO              | Red-Dot           | Cooper Crouse-Hinds | No. of Gangs | Outlets (size number) | Capacity (cu. in.) | Notes         |
|-------------------|-------------------|---------------------|--------------|-----------------------|--------------------|---------------|
| 5320-0            | IH3-1-LM          | TP7012              | 1            | 1/2 - 3               | 18                 | -             |
| <b>(88218606)</b> | <b>(88221000)</b> | <b>(97230816)</b>   |              |                       |                    |               |
| 5321-0            | IH4-1-LM          | TP7026              | 1            | 1/2 - 4               | 17.4               | -             |
| <b>(88218607)</b> | <b>(88221004)</b> | <b>(97230819)</b>   |              |                       |                    |               |
| 5322-0            | IH5-1-LM          | TP7042              | 1            | 1/2 - 5               | 16.8               | -             |
| <b>(88218608)</b> | <b>(88221008)</b> | <b>(97230821)</b>   |              |                       |                    |               |
| 5324-0            | IH3-2-LM          | TP7018              | 1            | 3/4 - 3               | 18                 | -             |
| <b>(88218610)</b> | <b>(88221002)</b> | <b>(97230818)</b>   |              |                       |                    |               |
| 5330-0            | IH4-2-LM          | TP7034              | 1            | 3/4 - 4               | 17.4               | -             |
| <b>(88218611)</b> | <b>(88221006)</b> | <b>(97230820)</b>   |              |                       |                    |               |
| 5331-0            | IH5-2-LM          | TP7050              | 1            | 3/4 - 5               | 16.8               | -             |
| <b>(88218612)</b> | <b>(88221010)</b> | <b>(97230822)</b>   |              |                       |                    |               |
| 5323-0            | IH5S2-1           | TP7058              | 1            | 1/2 - 5               | 18                 | Side Entrance |
| <b>(88218609)</b> | <b>(88221011)</b> | <b>(97230824)</b>   |              |                       |                    |               |
| 5332-0            | IH5S2-2           | TP7066              | 1            | 3/4 - 5               | 16.8               | Side Entrance |
| <b>(88218613)</b> | <b>(88221012)</b> | <b>(97230825)</b>   |              |                       |                    |               |
| 5333-0            | 2IH3-1            | TP7086              | 2            | 1/2 - 3               | 30                 | -             |
| <b>(88218614)</b> | <b>(88220062)</b> | <b>(97221298)</b>   |              |                       |                    |               |
| 5335-0            | 2IH4-1            | TP7094              | 2            | 1/2 - 4               | 30                 | -             |
| <b>(88218616)</b> | <b>(88220064)</b> | <b>(97215418)</b>   |              |                       |                    |               |
| 5337-0            | 2IH5-1            | TP7102              | 2            | 1/2 - 5               | 30                 | -             |
| <b>(88218618)</b> | <b>(88220068)</b> | <b>(97221299)</b>   |              |                       |                    |               |
| 5340-0            | 2IH7-1            | TP7110              | 2            | 1/2 - 7               | 30                 | -             |
| <b>(88218621)</b> | <b>(88220080)</b> | <b>(97230832)</b>   |              |                       |                    |               |
| 5341-0            | 2IH3-2            | TP7090              | 2            | 3/4 - 3               | 30                 | -             |
| <b>(88218622)</b> | <b>(88220063)</b> | <b>(97221300)</b>   |              |                       |                    |               |
| 5343-0            | 2IH4-2            | TP7098              | 2            | 3/4 - 4               | 30                 | -             |
| <b>(88218624)</b> | <b>(88220065)</b> | <b>(97215436)</b>   |              |                       |                    |               |
| 5345-0            | 2IH5-2            | TP7106              | 2            | 3/4 - 5               | 30                 | -             |
| <b>(88218626)</b> | <b>(88220069)</b> | <b>(97221342)</b>   |              |                       |                    |               |
| 5348-0            | 2IH7-2            | TP7114              | 2            | 3/4 - 7               | 30                 | -             |
| <b>(88218629)</b> | <b>(88220081)</b> | <b>(97230833)</b>   |              |                       |                    |               |
| 5385-0            | IHD3-1            | TP7074              | 1            | 1/2 - 3               | 21.3               | Deep          |
| <b>(88218773)</b> | <b>(88221015)</b> | <b>(97215437)</b>   |              |                       |                    |               |
| 5386-0            | IHD3-2            | TP7078              | 1            | 3/4 - 3               | 21.3               | Deep          |
| <b>(88218774)</b> | <b>(88221016)</b> | <b>(97215421)</b>   |              |                       |                    |               |
| 5387-0            | IHD3-3            | TP7082              | 1            | 1 - 3                 | 21.3               | Deep          |
| <b>(88218775)</b> | <b>(88221017)</b> | <b>(97230829)</b>   |              |                       |                    |               |
| 5388-0            | 2IHD5-2           | TP7130              | 2            | 3/4 - 5               | 36.5               | Deep          |
| <b>(88218776)</b> | <b>(88220084)</b> | <b>(97215413)</b>   |              |                       |                    |               |
| 5389-0            | 2IHD5-3           | TP7134              | 2            | 1 - 5                 | 36.5               | Deep          |
| <b>(88218777)</b> | <b>(88220085)</b> | <b>(97230837)</b>   |              |                       |                    |               |

## Multiple Outlet Boxes

### Woodhead

Super-Safeway duplex and single receptacle outlet boxes are listed for portability and provide safety and reliability required on today's job sites.

### Benefits

- Withstands the Impact of Drops and Bumps in Industrial Applications
- Will Not Become Energized by Loose Wire Contacts

### Features

- Made of Durable Neotex Rubber
- Comes with Screw-Tight Cord Clamp
- Duplex Portable, Single-Gang
- 0.325 to 0.655 Cord Range



| Mfg. No. | Advanced ID              | Description                                       | Dimensions              | Gang Size   |
|----------|--------------------------|---|-------------------------|-------------|
| 3000     | <a href="#">88281595</a> | 13.8 cu. in.                                      | 2.50 x 3.88 x 3.88D in. | Single-Gang |
| 3000-1   | <a href="#">88281596</a> | 13.8 cu. in., with 2 NEMA 5-15R Duplex Pre-Wired. | 2.50 x 3.88 x 3.88D in. | Single-Gang |

## Gard-N-Post™

### Arlington Industries, Inc.

Supports & enclosures for outdoor light fixtures and devices.

### Benefits

- Non-Metallic, Easy and Attractive Way to Install a Fixture or Device Outside
- UV Rated Plastic Resists Damage from Lawn Maintenance Equipment
- No Chipping...Colorant Runs Throughout the Product
- UL, CSA Listed

### Features

- Built-In, Rigid Stabilizers Require No Assembly
- Improved Design Sits Higher in the Ground, Giving Greater Use of Height of Product
- 19½ in. Tall Support for An Outdoor Light Fixture and/or GFCI



| Mfg. No. | Advanced ID              | Color  |
|----------|--------------------------|--------|
| GP19BR   | <a href="#">22037330</a> | Bronze |
| GP19B    | <a href="#">22004724</a> | Black  |
| GP19G    | <a href="#">22003598</a> | Green  |
| GP19W    | <a href="#">22037329</a> | White  |

The full line of Gard-N-Post products includes supports and enclosures from 9 in. to 73 in. tall.

### 3-Service and Concrete Recessed Floor Boxes

Hubbell Wiring Device-Kellems

Hubbell's Concealed 3-Service Floor Box is an ideal way to bring power, voice and communications to the point of use while blending into the office decor. Heavy duty cover flange has an inset area to accept carpet insert.



| Mfg. No. | Advanced ID              | Description                 | Side Conduit Knockouts                               | Dimensions                 | Bottom Conduit Knockouts |
|----------|--------------------------|-----------------------------|--|----------------------------|--------------------------|
| 3SFBS5   | <a href="#">88287274</a> | 3 Service FB, Stamped Steel | 1) 1 Each End, 2) 3/4, 1) 1 & 1) 1 1/4 in. Each Side | 12.25L x 5.50W x 2.88D in. | None                     |
| 3SFBC    | <a href="#">88306389</a> | 3 Service FB, Cast Iron     | 1) 1 1/4 Each End, 2) 3/4 & 1) 1 1/4 in. Each Side   | 12.88L x 6.00W x 3.00D in. | None                     |

### Floor Boxes

Steel City®



61W



68P

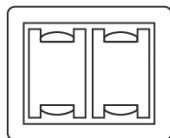
#### Features

- Easy Installation with No Leveling Required
- Just Cut the Box Level with the Concrete After the Pour
- Compatible with Standard Schedule PVC Conduit
- 1, 3/4 and 1/2 in. Reducers Included

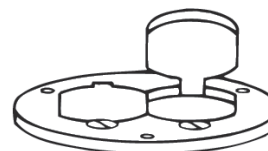
| Mfg. No. | Advanced ID              | Gang Size          | For Use With              | Dimensions  | Volume          | Material      | Includes                       |
|----------|--------------------------|--------------------|---------------------------|---|-----------------|---------------|--------------------------------|
| 61W      | <a href="#">92122931</a> | Single-Gang        | Standard Conduit Fittings | 5 <sup>5</sup> / <sub>16</sub> x 3 <sup>1</sup> / <sub>16</sub> x 2 <sup>15</sup> / <sub>16</sub> D in. | 31 cu. in.      | Stamped Steel | Stamped Steel Protective Cover |
| 68D      | <a href="#">88255223</a> | Round              | -                         | 4 <sup>1</sup> / <sub>4</sub> x 3 <sup>5</sup> / <sub>8</sub> x 4 <sup>11</sup> / <sub>16</sub> in.     | 60 cu. in.      | Cast Iron     | Expandable cap                 |
| 68P      | <a href="#">88320956</a> | Round              | Threaded Conduit Fittings | 6 x 5 <sup>5</sup> / <sub>32</sub> x 6 <sup>3</sup> / <sub>8</sub> D in.                                | 100 cu. in.     | Plastic       | Concrete Cap and Six Hub Plugs |
| 68-S     | <a href="#">88255248</a> | Round              | -                         | 4 <sup>1</sup> / <sub>4</sub> x 2 <sup>3</sup> / <sub>4</sub> x 4 <sup>11</sup> / <sub>16</sub> in.     | 47 cu. in.      | Stamped Steel | Expandable cap                 |
| 88-D     | <a href="#">88255283</a> | Round              | -                         | 3 x 3 <sup>1</sup> / <sub>4</sub> x 5 <sup>3</sup> / <sub>4</sub> in.                                   | 29 cu. in.      | Stamped Steel | Expandable cap                 |
| 88-S     | <a href="#">88255283</a> | Round              | -                         | 3 x 2 <sup>3</sup> / <sub>4</sub> x 5 <sup>3</sup> / <sub>4</sub> in.                                   | 23 cu. in.      | Stamped Steel | Expandable cap                 |
| 600-SC   | <a href="#">88255248</a> | Round              | -                         | 4 <sup>1</sup> / <sub>4</sub> x 4 <sup>1</sup> / <sub>4</sub> x 5 <sup>1</sup> / <sub>8</sub> in.       | 64 cu. in.      | Cast Iron     | Expandable cap                 |
| 641      | <a href="#">88255219</a> | Rectangular 1 gang | -                         | 3 <sup>5</sup> / <sub>8</sub> x 4 x 5 <sup>1</sup> / <sub>2</sub> in.                                   | 35 cu. in.      | Cast Iron     | Expandable cap                 |
| 642      | <a href="#">88255221</a> | Rectangular 2 gang | -                         | 3 <sup>5</sup> / <sub>8</sub> x 7 x 5 <sup>1</sup> / <sub>2</sub> in.                                   | 37 cu. in./gang | Cast Iron     | Expandable cap                 |
| 643      | <a href="#">88255223</a> | Rectangular 3 gang | -                         | 3 <sup>5</sup> / <sub>8</sub> x 10 x 5 <sup>1</sup> / <sub>2</sub> in.                                  | 37 cu. in./gang | Cast Iron     | Expandable cap                 |

## Floor Boxes and Cover Plates

Steel City®



P64-2G-CP



P60-DS Hinged Lift Lids

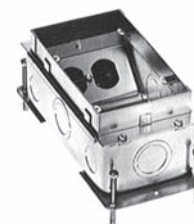
| Mfg. No.  | Advanced ID | Description                                | Type                        | Material | For Use With                  | Dimensions         |
|---|-------------|--|-----------------------------|----------|-------------------------------|--------------------|
| <b>Covers for 88 Series Floor Boxes</b>         |             |  |                             |          |                               |                    |
| P-90-1/2  | 88255388    | Cover plate NPS plug                       | Round floor box Cover       | Brass    | 88 Series Floor Boxes         | 1/2 in.            |
| P-90-3/4  | 88255394    | Cover plate NPS plug                       | Round floor box Cover       | Brass    | 88 Series Floor Boxes         | 3/4 in.            |
| P-90-1  | 88255384    | Cover plate NPS plug                       | Round floor box Cover       | Brass    | 88 Series Floor Boxes         | 1 in.              |
| P-90-1-1/4                                      | 88255385    | Cover plate NPS plug                       | Round floor box Cover       | Brass    | 88 Series Floor Boxes         | 1 1/4 in.          |
| P-90-2  | 88255392    | Cover plate UN plug                        | Round floor box Cover       | Brass    | 88 Series Floor Boxes         | 2 in.              |
| P-90-1/2-2                                      | 88255389    | Cover plate plug                           | Round floor box Cover       | Brass    | 88 Series Floor Boxes         | 1 in. & 2 in.      |
| P-90-3/4-2                                      | 88255395    | Cover plate plug                           | Round floor box Cover       | Brass    | 88 Series Floor Boxes         | 3/4 & 2 in.        |
| <b>Covers for 640 Series Floor Boxes</b>        |             |  |                             |          |                               |                    |
| P-64-1/2  | 88255344    | Cover plate NPS plug                       | Rectangular floor box cover | Brass    | 640 Series Floor Boxes        | 1/2 in.            |
| P-64-3/4  | 88255355    | Cover plate NPS plug                       | Rectangular floor box cover | Brass    | 640 Series Floor Boxes        | 3/4 in.            |
| P-64-1  | 88255340    | Cover plate NPS plug                       | Rectangular floor box cover | Brass    | 640 Series Floor Boxes        | 1 in.              |
| P-64-1-1/4                                      | 88255341    | Cover plate NPS plug                       | Rectangular floor box cover | Brass    | 640 Series Floor Boxes        | 1 1/4 in.          |
| P-64-2  | 88255348    | Cover plate UN plug                        | Rectangular floor box cover | Brass    | 640 Series Floor Boxes        | 2 in.              |
| P-64-1/2-2                                      | 88255345    | Cover plate UN plug                        | Rectangular floor box cover | Brass    | 640 Series Floor Boxes        | 1/2 & 2 in.        |
| P-64-3/4-2                                      | 88255356    | Cover plate UN plug                        | Rectangular floor box cover | Brass    | 640 Series Floor Boxes        | 3/4 & 2 in.        |
| P-64-DU   | 88255365    | Cover plate duplex plug                    | Rectangular floor box cover | Brass    | 640 Series Floor Boxes        | 1 7/16 in.         |
| P-64-DS   | 88255364    | Cover plate duplex lift lids               | Rectangular floor box cover | Brass    | 640 Series Floor Boxes        | -                  |
| P-64-GFCI                                       | -           | Cover plate GFCI flip lid                  | Rectangular floor box cover | Brass    | 640 Series Floor Boxes        | -                  |
| P64-CP  | 88255362    | Metallic carpet plate                      | Rectangular floor box cover | Brass    | 640 Series Floor Boxes        | 4 5/8 x 6 1/8 in.  |
| P64-2G-CP                                       | 88255352    | Metallic carpet plate                      | Rectangular floor box cover | Brass    | 640 Series Floor Boxes        | 7 5/8 x 6 1/8 in.  |
| P-64-3G-CP                                      | 88255359    | Metallic carpet plate                      | Rectangular floor box cover | Brass    | 640 Series Floor Boxes        | 10 3/8 x 6 1/8 in. |
| <b>Covers for 68 and 600 Series Floor Boxes</b> |             |  |                             |          |                               |                    |
| P-60-1/2  | 88255359    | Cover plate NPS plug                       | Round Cover                 | Brass    | 68 and 600 Series Floor Boxes | 1/2 in.            |
| P-60-3/4  | 88255316    | Cover plate NPS plug                       | Round Cover                 | Brass    | 68 and 600 Series Floor Boxes | 3/4 in.            |
| P-60-1  | 88255304    | Cover plate NPS plug                       | Round Cover                 | Brass    | 68 and 600 Series Floor Boxes | 1 in.              |
| P-60-1-1/4                                      | 88255305    | Cover plate NPS plug                       | Round Cover                 | Brass    | 68 and 600 Series Floor Boxes | 1 1/4 in.          |
| P-60-2  | 88255312    | Cover plate plug                           | Round Cover                 | Brass    | 68 and 600 Series Floor Boxes | 2 in. D            |
| P-60-1/2-2                                      | 88255309    | Cover plate plug                           | Round Cover                 | Brass    | 68 and 600 Series Floor Boxes | 1 1/2-2 in. D      |
| P-60-3/4-2                                      | 88255317    | Cover plate plug                           | Round Cover                 | Brass    | 68 and 600 Series Floor Boxes | 3/4-2 in. D        |
| P60-CP  | 88255324    | 1-Piece, Power or Communications/Data      | Plate Carpet 1-Piece        | Brass    | 68 and 600 Series Floor Box   | 5 1/16 in. Dia.    |
| P60-CACP  | 88320958    | Duplex, Power or Communications/Data       | Plate Carpet Duplex 1-Piece | Brass    | 68 and 600 Series Floor Box   | 5 3/4 in. O.D.     |
| P-60-DR   | 88255327    | Cover with duplex lift lid                 | Round Cover                 | Brass    | 68 and 600 Series Floor Boxes | -                  |
| P-60-DS   | 88255329    | Cover for duplex with individual lift lids | Round Cover                 | Brass    | 68 and 600 Series Floor Boxes | -                  |
| P-60-DU   | 88255330    | Cover plate with plugs for duplex          | Round Cover                 | Brass    | 68 and 600 Series Floor Boxes | 2-1 7/16 in.       |
| P-60-GFCI                                       | -           | Brass cover plate for GFCI devices         | Round Cover                 | Brass    | 68 and 600 Series Floor Boxes | -                  |

## Metallic Floor Box Concealed

Steel City®

Benefits

- Stamped Steel Box Which Accepts Two Plates, One Duplex Plate Provided



| Mfg. No. | Advanced ID | Description               | Side Conduit Knockouts         | Dimensions                        | Bottom Conduit Knockouts |
|----------|-------------|---------------------------|--------------------------------|-----------------------------------|--------------------------|
| 664-SC   | 88255234    | 90 cu. in., 24.0 per Gang | (8) 1 to 1 1/4 in. (8) 3/4 in. | 10 1/4 L x 4 1/16 W x 3 3/4 D in. | None                     |

### Walker® Steel and Non-Metallic Floor Boxes

Wiremold



880MP



880MPA



880S1



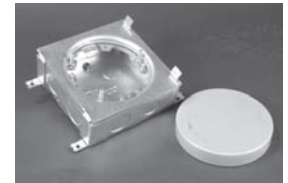
880W1



881



882C



885B

Walker Steel and non-metallic floor boxes from Wiremold.

#### Benefits

- UL Listed to U.S. and Canadian Safety Standards for Tile, Terrazzo, Carpet, and Wood Covered Floors
- TopGuard™ Protection Meets and Exceeds UL Scrub Water Exclusion Requirements

#### Features

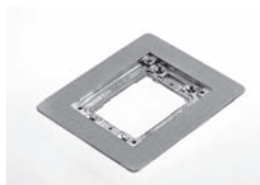
- Available in Many Gang Configurations
- 882C Provides Four 3/4 in. Hubs; 884C Provides Two 1 in. and Two 3/4 in. Hubs

| Mfg. No. | Advanced ID | Gang Size   | For Use With | Dimensions                              | Volume       | Material | Includes |
|----------|-------------|-------------|--------------|---|--------------|----------|----------|
| 861DB    | 22123035    | Single-Gang | Wood Floors  | 4Dia. x 3 1/4H in.                      | 18 cu. in.   | Steel    | -        |
| 880MP    | 97118984    | Single-Gang | Concrete     | 5 1/2L x 4 1/8W x 6H in.                | 100 cu. in.  | PVC      | -        |
| 880MPA*  | 99496420    | Single-Gang | Concrete     | -                                       | -            | PVC      | -        |
| 880S1    | 92044070    | Single-Gang | Concrete     | 3 23/32 in. x 4 13/16 in. x 3 15/32 in. | 48 cu. in.   | Steel    | -        |
| 880S2    | 88280330    | 2-Gang      | Concrete     | 7 15/16 in. x 4 13/16 in. x 3 15/32 in. | 94 cu. in.   | Steel    | -        |
| 880W1    | 95022973    | Single-Gang | Wood Floors  | 3 3/4 in. x 4 13/16 in. x 3 7/16 in.    | 53 cu. in.   | Steel    | -        |
| 880W2    | 95022974    | 2-Gang      | Wood Floors  | 7 7/8 in. x 4 13/16 in. x 3 7/16 in.    | 117 cu. in.  | Steel    | -        |
| 881      | 97112820    | Single-Gang | Concrete     | 6 1/8 in. x 5 5/8 in. x 6 1/2 in.       | 65 cu. in.   | PVC      | -        |
| 882C     | 22007235    | Single-Gang | Concrete     | 6H x 4 13/16Dia. in.                    | -            | PVC      | -        |
| 884C     | 22007236    | Single-Gang | Concrete     | 6H x 4 13/16Dia. in.                    | -            | PVC      | -        |
| 885B     | 88280331    | Single-Gang | Concrete     | 4 13/16 in. x 4 13/16 in. x 2 7/16 in.  | 29.5 cu. in. | Steel    | -        |

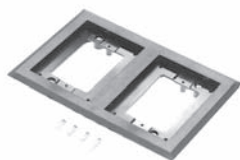
\* Leveling Device

## Walker® Steel and Non-Metallic Fittings for Floor Boxes

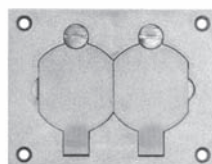
Wiremold



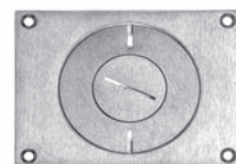
817B



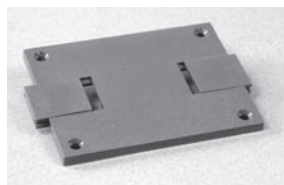
827PCC-BLK



828PR-BK



829CK-1



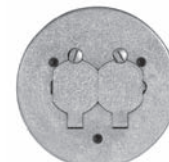
829PSTC



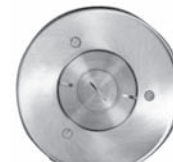
881ADP



881DIV



895P-BLK



896CK-1

Walker Steel and non-metallic fittings for floor boxes from Wiremold.

## Benefits

- UL Listed to U.S. and Canadian Safety Standards for Tile, Terrazzo, Carpet, and Wood Covered Floors
- TopGuard™ Protection Meets and Exceeds UL Scrub Water Exclusion Requirements

## Features

- Accepts Standard Industry Sized Device Plates and Industry Standard Sectional Device Plates
- Available in Many Gang Configurations
- For Use with Various Walker Floor Boxes

| Mfg. No.    | Advanced ID              | Description                                   | Type    | Material    | For Use With      | Dimensions  |
|-------------|--------------------------|---|---------|-------------|-------------------|---|
| 817B        | <a href="#">97118985</a> | One-Gang Combination Carpet And Tile Flange   | Flange  | Brass       | Rectangular Boxes | 5 <sup>1</sup> / <sub>16</sub> L x 6 <sup>1</sup> / <sub>16</sub> W in  |
| 817PCC-BLK  | <a href="#">98407293</a> | Polycarbonate Carpet And Tile Flange One-Gang | Flange  | Nonmetallic | Rectangular Boxes | 4 <sup>3</sup> / <sub>4</sub> L x 5 <sup>3</sup> / <sub>4</sub> W in.   |
| 817PCC-BRN  | <a href="#">98407294</a> | Polycarbonate Carpet And Tile Flange One-Gang | Flange  | Nonmetallic | Rectangular Boxes | 4 <sup>3</sup> / <sub>4</sub> L x 5 <sup>3</sup> / <sub>4</sub> W in.   |
| 827B        | <a href="#">97121502</a> | Two-Gang Combination Carpet And Tile Flange   | Flange  | Brass       | Rectangular Boxes | 9 <sup>3</sup> / <sub>16</sub> L x 6 <sup>1</sup> / <sub>16</sub> W in. |
| 827PCC-BLK  | <a href="#">98407295</a> | Polycarbonate Carpet And Tile Flange Two-Gang | Flange  | Nonmetallic | Rectangular Boxes | 8 <sup>7</sup> / <sub>8</sub> L x 5 <sup>3</sup> / <sub>4</sub> W in.   |
| 827PCC-BRN  | <a href="#">98407296</a> | Polycarbonate Carpet And Tile Flange Two-Gang | Flange  | Nonmetallic | Rectangular Boxes | 8 <sup>7</sup> / <sub>8</sub> L x 5 <sup>3</sup> / <sub>4</sub> W in.   |
| 828GFITC    | <a href="#">99859122</a> | GFI Receptacle Cover                          | Cover   | Brass       | Rectangular Boxes | 3 <sup>1</sup> / <sub>8</sub> L x 4 <sup>1</sup> / <sub>8</sub> W in.   |
| 828PR-BLK   | <a href="#">88280270</a> | Polycarbonate Duplex Plate Omnibox            | Plate   | Nonmetallic | Rectangular Boxes | 3 <sup>5</sup> / <sub>16</sub> L x 4 <sup>5</sup> / <sub>16</sub> W in. |
| 828PR-BRN   | <a href="#">88280271</a> | Polycarbonate Duplex Plate Omnibox            | Plate   | Nonmetallic | Rectangular Boxes | 3 <sup>5</sup> / <sub>16</sub> L x 4 <sup>5</sup> / <sub>16</sub> W in. |
| 828R        | <a href="#">88318939</a> | Duplex Receptacle Plate Omnibox               | Plate   | Brass       | Rectangular Boxes | 3 <sup>1</sup> / <sub>8</sub> L x 4 <sup>1</sup> / <sub>8</sub> W in.   |
| 829CK-1     | <a href="#">88318936</a> | Data Plate One Plug                           | Plate   | Brass       | Rectangular Boxes | 3 <sup>1</sup> / <sub>8</sub> L x 4 <sup>1</sup> / <sub>8</sub> W in.   |
| 829PFL-BLK  | <a href="#">99496282</a> | Nonmetallic Flip Lid Cover                    | Cover   | Nonmetallic | Rectangular Boxes | 3 <sup>5</sup> / <sub>16</sub> L x 4 <sup>5</sup> / <sub>16</sub> W in. |
| 829PFL-BRN  | <a href="#">99502000</a> | Nonmetallic Flip Lid Cover                    | Cover   | Nonmetallic | Rectangular Boxes | 3 <sup>5</sup> / <sub>16</sub> L x 4 <sup>5</sup> / <sub>16</sub> W in. |
| 829PSTC-BLK | <a href="#">91024210</a> | Poly Data Slide Plate                         | Plate   | Brass       | Rectangular Boxes | 3 <sup>5</sup> / <sub>16</sub> L x 4 <sup>5</sup> / <sub>16</sub> W in. |
| 881ADP      | <a href="#">97112821</a> | PVC Box Adjust Plate                          | Plate   | Nonmetallic | Round Boxes       | 4Dia. x 1 <sup>1</sup> / <sub>8</sub> in.                               |
| 881DIV      | <a href="#">97112822</a> | PVC Box Divider                               | Divider | Nonmetallic | Round Boxes       | 5 <sup>1</sup> / <sub>2</sub> in. x 3 <sup>11</sup> / <sub>16</sub> in. |
| 895         | <a href="#">88280341</a> | Carpet Duplex Receptacle Plate                | Plate   | Brass       | Round Boxes       | 5 <sup>1</sup> / <sub>2</sub> Dia. in.                                  |
| 895DCC      | <a href="#">22038309</a> | Communication Cover Plate                     | Plate   | Brass       | Round Boxes       | 5 <sup>1</sup> / <sub>2</sub> Dia. in.                                  |
| 895P-BLK    | <a href="#">88280342</a> | Polycarbonate CPT Duplex Plate                | Plate   | Nonmetallic | Round Boxes       | 5 <sup>1</sup> / <sub>2</sub> Dia. in.                                  |
| 895P-BRN    | <a href="#">88280343</a> | Polycarbonate CPT Duplex Plate                | Plate   | Nonmetallic | Round Boxes       | 5 <sup>1</sup> / <sub>2</sub> Dia. in.                                  |
| 895T        | <a href="#">88284054</a> | Tile Duplex Receptacle Plate                  | Plate   | Brass       | Round Boxes       | 4 <sup>1</sup> / <sub>4</sub> Dia. in.                                  |
| 896CK-1     | <a href="#">88280346</a> | Carpet Combination Plate One Plug             | Plate   | Brass       | Round Boxes       | 5 <sup>1</sup> / <sub>2</sub> Dia. in.                                  |



### Walker® RFB Series Boxes

Wiremold

Walker RFB Series Boxes from Wiremold for use with concrete floor.

#### Benefits

- UL Listed to U.S. and Canadian Safety Standards for Tile, Terrazzo, Carpet, and Wood Covered Floors
- TopGuard™ Protection Meets and Exceeds UL Scrub Water Exclusion Requirements
- Stamped Steel

#### Features

- RFB9 and RFB11 Accepts Standard Industry Sized Device Plates and Industry Standard Sectional Device Plates
- Available in Many Gang Configurations



| Mfg. No. | Advanced ID              | Description                       | Side Conduit Knockouts                                       | Dimensions                         | Bottom Conduit Knockouts                                    |
|----------|--------------------------|-----------------------------------|--|------------------------------------|---|
| RFB11    | <a href="#">22108812</a> | 11-Gang Recessed Floor Box        | Nine 1 in. and 1 1/4 in. Combo, Two 3/4 in. and 1 in. Combo  | 14 5/16 L x 12 1/8 W x 6 1/8 D in. | Five 1 in. and 1 1/4 in. Combo, Two 3/4 in. and 1 in. Combo |
| RFB4-SS  | <a href="#">95007208</a> | Four-Compartment Raised Floor Box | Six 3/4 in., Eight 1 in. KO's                                | 13 5/8 L x 10 W x 2 7/16 D in.     | Two 1/2 in., Two 3/4 in. KO's                               |
| RFB9     | <a href="#">22108813</a> | 9-Gang Recess Floor Box           | Eight 1 in. and 1 1/4 in. Combo, Two 3/4 in. and 1 in. Combo | 14 5/16 L x 12 1/8 W x 4 7/8 D in. | Four 1 in. and 1 1/4 in. Combo, Two 3/4 in. and 1 in. Combo |

### Walker® Covers and Flanges for use with A/V Floor Boxes

Wiremold

Walker Covers and Flanges for use with RFB9 or RFB11.

#### Benefits

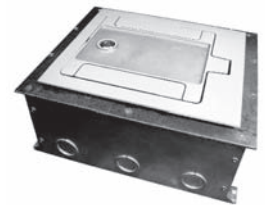
- UL Listed to U.S. and Canadian Safety Standards for Tile, Terrazzo, Carpet and Wood Covered Floors
- TopGuard™ Protection Meets and Exceeds UL Scrub Water Exclusion Requirements

#### Features

- Accepts Standard Industry Sized Device Plates and Industry Standard Sectional Device Plates
- Available in Many Gang Configurations
- Concrete Floor Application



RFB9



RFB11

| Mfg. No.      | Advanced ID              | Description                                       | Dimensions               | Material      |
|---------------|--------------------------|---|--------------------------|---------------|
| RFB119-AB     | <a href="#">22108816</a> | Single-Gang With (1) 2A Size Bezel- Comm/Data     | 4 1/2 L x 2 3/4 W in.    | Stamped Steel |
| RFB119-B      | <a href="#">22108814</a> | Single-Gang Blank Device Plate                    | 4 1/2 L x 2 3/4 W in.    | Stamped Steel |
| RFB119CTCAL   | <a href="#">22108834</a> | Cast Aluminum Cover Assembly Aluminum             | 12 1/2 L x 10 1/16 W in. | Aluminum      |
| RFB119CTCBK   | <a href="#">22108835</a> | Cast Aluminum Cover Assembly Black                | 12 1/2 L x 10 1/16 W in. | Aluminum      |
| RFB119-D      | <a href="#">22108815</a> | Single-Gang Duplex Receptacle Device Plate        | 4 1/2 L x 2 3/4 W in.    | Stamped Steel |
| RFB119-RT     | <a href="#">22108817</a> | Single-Gang Single Opening for Ortronics Products | 4 1/2 L x 2 3/4 W in.    | Stamped Steel |
| RFB119-SPACER | <a href="#">22108818</a> | Spacer Plate                                      | 4 1/2 L x 7/8 W in.      | Stamped Steel |

## Walker® Poke-Thru Devices

### Wiremold



COM50



RC3ATCBK



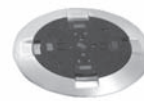
RC7AFFTCBK



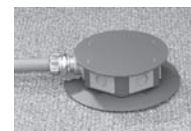
RC7ATCBK



RC91GHBTC



RC9A15TCGY



RC9AFFTCGY

Walker Poke-Thru devices from Wiremold.

### Benefits

- UL Listed and UL Fire Classified to US and Canadian UL Standards
- TopGuard™ Protection Meets and Exceeds UL Scrub Water Exclusion Requirements

### Features

- Individual Slide Covers, “Dead-Front” Covers

| Mfg. No.     | Advanced ID              | Type           | Dimensions               | Cover Material           | Cover Finish |
|--------------|--------------------------|----------------|--------------------------|--------------------------|--------------|
| AMD8ARTTCBK* | <a href="#">22108852</a> | Flush          | 7½Dia. x 9¾L in.         | Aluminum and Nonmetallic | Black        |
| AMD8ARTTCGY* | <a href="#">22108851</a> | Flush          | 7½Dia. x 9¾L in.         | Aluminum and Nonmetallic | Gray         |
| AMD8ATCBK†   | <a href="#">22108848</a> | Flush          | 7½Dia. x 9¾L in.         | Aluminum and Nonmetallic | Black        |
| AMD8ATCGY†   | <a href="#">22108847</a> | Flush          | 7½Dia. x 9¾L in.         | Aluminum and Nonmetallic | Gray         |
| AV3ATCBK     | <a href="#">22108845</a> | Flush          | 8¼Dia. x 17L in.         | Aluminum and Nonmetallic | Black        |
| AV3ATCGY     | <a href="#">22108840</a> | Flush          | 8¼Dia. x 17L in.         | Aluminum and Nonmetallic | Gray         |
| COM50        | <a href="#">92098773</a> | Adapter        | 2½" Thrd. Conduits       | -                        | -            |
| RC3ATCBK     | <a href="#">22041389</a> | Flush          | 7½Dia. x 16L in.         | Aluminum and Nonmetallic | Black        |
| RC3ATCGY     | <a href="#">22108848</a> | Flush          | 7½Dia. x 16L in.         | Aluminum and Nonmetallic | Gray         |
| RC4ATCBK     | <a href="#">22056706</a> | Flush          | 8¼Dia. x 16¾L in.        | Aluminum and Nonmetallic | Black        |
| RC4ATCGY     | <a href="#">22068230</a> | Flush          | 8¼Dia. x 16¾L in.        | Aluminum and Nonmetallic | Gray         |
| RC7AFFTCBK   | <a href="#">22052409</a> | Flush          | 7Dia. x 16½L in.         | Aluminum                 | Black        |
| RC7AFFTCGY   | <a href="#">22050853</a> | Flush          | 7Dia. x 16½L in.         | Aluminum                 | Gray         |
| RC7ATCBK     | <a href="#">22041405</a> | Flush          | 7Dia. x 16½L in.         | Aluminum and Nonmetallic | Black        |
| RC7ATCGY     | <a href="#">22041404</a> | Flush          | 7Dia. x 16½L in.         | Aluminum and Nonmetallic | Gray         |
| RC91GHBTC    | <a href="#">22044811</a> | Pedestal       | 4⅞ in. x 4⅞ in. x 2¾ in. | Aluminum                 | Metallic     |
| RC9A15TCGY   | <a href="#">22073287</a> | Flush          | 7Dia. x 16½ in. L in.    | Aluminum and Nonmetallic | Gray         |
| RC9AFFTCGY   | <a href="#">22004184</a> | Furniture Feed | 14⅞ in. x 7Dia. ft.      | Aluminum                 | Gray         |
| RC9AMDTCBK   | <a href="#">22085245</a> | Flush          | 7Dia. x 10L in.          | Aluminum and Nonmetallic | Black        |

\* Accepts up to 8 Ortronics UTP Connectors

† Accepts up to 8 UTP F.O. Audio or Video Connectors

## Flush Floor Box Covers and Flanges

### Hubbell Wiring Device-Kellems



HBLTCGNT



HBLTCGNTBKS

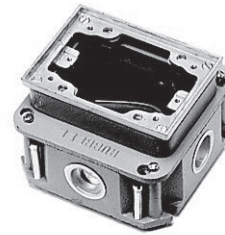
| Mfg. No.    | Advanced ID              | Description                | Type | Material | For Use With         | Dimensions |
|-------------|--------------------------|----------------------------|------|----------|----------------------|------------|
| HBLTCGNT    | <a href="#">22058472</a> | Raised Access, Granite     | -    | Steel    | Concrete Floor Boxes | -          |
| HBLTCGNTBK  | <a href="#">22103692</a> | Raised Access, Black       | -    | Steel    | Concrete Floor Boxes | -          |
| HBLTCGNTBKS | <a href="#">25051398</a> | Concrete Recessed, Black   | -    | Steel    | Concrete Floor Boxes | -          |
| HBLTCGNTSW  | <a href="#">22110730</a> | Concrete Recessed, Granite | -    | Steel    | Concrete Floor Boxes | -          |

### Floor Boxes

Hubbell Wiring Device-Kellems

#### Features

- Fully Adjustable
- Complies with UL514A Standard for Moisture Resistance



Rectangular Boxes

Round Boxes

| Mfg. No.                 | Advanced ID | Gang Size | For Use With                              | Dimensions                                      | Volume  | Material      | Includes                                   |
|--------------------------|-------------|-----------|---|---|---|---------------|--|
| <b>Rectangular Boxes</b> |             |           |   |   |   |               |  |
| B2436                    | 88128048    | 1         | Full Sized Rectangular Covers and Flanges | 4.38" (111.2)L x 3.19" (81.0)H x 3.19" (81.0)W  | 33.0 CI (540.8)   | Cast Iron     | Hardware, Ground Wire and a Concrete Cover |
| BA2436                   | 88128112    | 1         | Full Sized Rectangular Covers and Flanges | 4.38" (111.2)L x 3.19" (81.0)H x 3.19" (81.0)W  | 33.0 CI (540.8)   | Cast Iron     | Hardware, Ground Wire and a Concrete Cover |
| B4233                    | 88128071    | 2         | Full Sized Rectangular Covers and Flanges | 4.38" (111.2)L x 3.44" (87.3)H x 6.38" (161.9)W | 36.50 CI (598.2) per Gang                               | Cast Iron     | Hardware, Ground Wire and a Concrete Cover |
| BA4233                   | 88128125    | 2         | Full Sized Rectangular Covers and Flanges | 4.38" (111.2)L x 3.44" (87.3)H x 6.38" (161.9)W | 36.50 CI (598.2) per Gang                               | Cast Iron     | Hardware, Ground Wire and a Concrete Cover |
| B4333                    | 88128075    | 3         | Full Sized Rectangular Covers and Flanges | 4.38" (111.2)L x 3.44" (87.3)H x 9.56"          | 34.80 CI (570.3) Middle, 36.50 CI (598.2) (242.9)W Ends | Cast Iron     | Hardware, Ground Wire and a Concrete Cover |
| BA4333                   | 88128126    | 3         | Full Sized Rectangular Covers and Flanges | 4.38" (111.2)L x 3.44" (87.3)H x 9.56" (242.9)W | 34.80 CI (570.3) Middle, 36.50 CI (598.2) Ends          | Cast Iron     | Hardware, Ground Wire and a Concrete Cover |
| B2431                    | 22037789    | 1         | Full Sized Rectangular Covers and Flanges | 4.38" (111.2)L x 3.72" (94.5)H x 3.19" (81.0)W  | 60.00 CI (983.4)  | Stamped Steel | Hardware, Ground Wire and a Concrete Cover |
| B2432                    | 22037791    | 2         | Full Sized Rectangular Covers and Flanges | 4.38" (111.2)L x 3.72" (94.5)H x 6.44" (163.6)W | 52.80 CI (865.2) per Gang                               | Stamped Steel | Hardware, Ground Wire and a Concrete Cover |
| B2433                    | 22037792    | 3         | Full Sized Rectangular Covers and Flanges | 4.38" (111.2)L x 3.72" (94.5)H x 9.67" (161.9)W | 50.80 CI (832.5) per Gang                               | Stamped Steel | Hardware, Ground Wire and a Concrete Cover |
| <b>Round Boxes</b>       |             |           |   |   |   |               |  |
| B2536                    | 88128063    | -         | Full Sized Round Covers and Flanges       | 4.19" (106.4) W x 3.09" (78.6)H                 | 33.0 CI (540.8)   | Cast Iron     | Hardware, Ground Wire and a Concrete Cover |
| BA2536                   | 88128121    | -         | Full Sized Round Covers and Flanges       | 4.19" (106.4) W x 3.09" (78.6)H                 | 33.0 CI (540.8)   | Cast Iron     | Hardware, Ground Wire and a Concrete Cover |
| B2506                    | 88128055    | -         | Full Sized Round Covers and Flanges       | 4.19" (106.4) W x 4.75" (106.4)H                | 50.80 CI (832.5)  | Cast Iron     | Hardware, Ground Wire and a Concrete Cover |
| B2527                    | 88128061    | -         | Full Sized Round Covers and Flanges       | 4.19" (106.4) W x 3.88" (98.6)H                 | 54.0 CI (884.9)   | Stamped Steel | Hardware, Ground Wire and a Concrete Cover |
| BA2527                   | 88128119    | -         | Full Sized Round Covers and Flanges       | 4.19" (106.4) W x 3.88" (98.6)H                 | 54.0 CI (884.9)   | Stamped Steel | Hardware, Ground Wire and a Concrete Cover |
| B2529                    | 88128062    | -         | Full Sized Round Covers and Flanges       | 4.19" (106.4) W x 2.91" (73.9)H                 | 37.30 CI (611.2)  | Stamped Steel | Hardware, Ground Wire and a Concrete Cover |
| BA2529                   | 88128121    | -         | Full Sized Round Covers and Flanges       | 4.19" (106.4) W x 2.91" (73.9)H                 | 37.30 CI (611.2)  | Stamped Steel | Hardware, Ground Wire and a Concrete Cover |

BA prefix indicates Aluminum Adapter Rings

## Flush Floor Box Covers and Flanges

Hubbell Wiring Device-Kellems



**S2425\***  
Combination  
2 1/8" x 3/4"



**S2525\***  
Combination  
2 1/8" x 3/4"



**S2625\***  
Combination  
2 1/8" x 1"



**S2725\***  
Combination  
2 1/8" x 1"



**S2825**  
2 1/8" for single  
receptacle



**S2925\***  
2 1/8" single  
receptacle



**S3625\***  
Duplex screw  
1 1/2" x 1 1/2"



**S3725\***  
Duplex screw  
1 1/2" x 1 1/2"



**S3813\***  
Blank



**S3825\***  
Duplex flap

Round and rectangular floor box covers in brushed brass and brushed aluminum.

| Mfg. No.       | Advanced ID     | Description          | Type        | Material | For Use With                 | Dimensions       |
|----------------|-----------------|----------------------|-------------|----------|------------------------------|------------------|
| <b>Covers</b>  |                 |                      |             |          |                              |                  |
| S2425          | <b>88128948</b> | 2 1/8 x 3/4 in.      | Rectangular | Brass    | Rectangular Floor Boxes      | 3.10 x 4.35 in.  |
| S2525          | <b>88128949</b> | 2 1/8 x 3/4 in.      | Round       | Brass    | Round Full Sized Floor Boxes | 3.88 in. Dia.    |
| S2625          | <b>88128952</b> | 2 1/8 x 1 in.        | Rectangular | Brass    | Rectangular Floor Boxes      | 3.10 x 4.35 in.  |
| S2725          | <b>88128953</b> | 2 1/8 x 1 in.        | Round       | Brass    | Round Full Sized Floor Boxes | 3.88 in. Dia.    |
| S2825          | <b>88128956</b> | 2 1/8 in.            | Rectangular | Brass    | Rectangular Floor Boxes      | 3.10 x 4.35 in.  |
| S2925          | <b>88128957</b> | 2 1/8 in.            | Round       | Brass    | Round Full Sized Floor Boxes | 3.88 in. Dia.    |
| S3625          | <b>88128991</b> | 2 - 1 1/2 in.        | Rectangular | Brass    | Rectangular Floor Boxes      | 3.10 x 4.35 in.  |
| S3725          | <b>88128992</b> | 2 - 1 1/2 in.        | Round       | Brass    | Round Full Sized Floor Boxes | 3.88 in. Dia.    |
| S3813          | <b>22046730</b> | Blank                | Rectangular | Brass    | Rectangular Floor Boxes      | 3.10 x 4.35 in.  |
| S3825          | <b>88128993</b> | Dup Flap             | Rectangular | Brass    | Rectangular Floor Boxes      | 3.10 x 4.35 in.  |
| S3826          | <b>98366098</b> | Styleline            | Rectangular | Brass    | Rectangular Floor Boxes      | 3.10 x 4.35 in.  |
| S3925          | <b>88128994</b> | Dup Flap             | Round       | Brass    | Round Full Sized Floor Boxes | 3.88 in. Dia.    |
| SA3825         | <b>88129127</b> | Dup Flap             | Round       | Aluminum | Round Full Sized Floor Boxes | 3.88 in. Dia.    |
| SA2425         | <b>88129095</b> | 2 1/8 x 3/4 in.      | Rectangular | Aluminum | Rectangular Floor Boxes      | 3.10 x 4.35 in.  |
| SA2525         | <b>88129096</b> | 2 1/8 x 3/4 in.      | Round       | Aluminum | Round Full Sized Floor Boxes | 3.88 Dia         |
| SA2625         | <b>88129097</b> | 2 1/8 x 1 in.        | Rectangular | Aluminum | Rectangular Floor Boxes      | 3.10 x 4.35 in.  |
| SA2725         | <b>88129098</b> | 2 1/8 x 1 in.        | Round       | Aluminum | Round Full Sized Floor Boxes | 3.88 Dia         |
| SA2925         | <b>88129101</b> | 2 1/8 in.            | Round       | Aluminum | Round Full Sized Floor Boxes | 3.88 Dia         |
| SA3625         | <b>88129125</b> | 2 - 1 1/2 in.        | Rectangular | Aluminum | Rectangular Floor Boxes      | 3.10 x 4.35 in.  |
| SA3725         | <b>88129126</b> | 2 - 1 1/2 in.        | Round       | Aluminum | Round Full Sized Floor Boxes | 3.88 Dia         |
| SA3826         | <b>99532674</b> | Styleline            | Rectangular | Aluminum | Rectangular Floor Boxes      | 3.10 x 4.35 in.  |
| <b>Flanges</b> |                 |                      |             |          |                              |                  |
| SB3083         | <b>88318923</b> | 1-Gang Carpet Flange | Rectangular | Brass    | Rectangular Floor Boxes      | 4.84 x 6.00 in   |
| SB3084         | <b>88318924</b> | 2-Gang Carpet Flange | Rectangular | Brass    | Rectangular Floor Boxes      | 8.06 x 6.00 in   |
| SB3085         | <b>88318925</b> | 3-Gang Carpet Flange | Rectangular | Brass    | Rectangular Floor Boxes      | 11.31 x 6.00 in. |
| S3082          | <b>88128982</b> | Carpet Flange        | Round       | Brass    | Round Full Sized Floor Boxes | 6.25 in. Dia     |

### Flush Floor Box Accessories

Hubbell Wiring Device-Kellems



S5016



S5017G



S5007

Replacement items or accessories for Hubbell floor boxes.

#### Features

• See Below

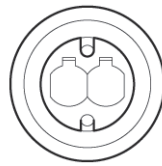
| Mfg. No. | Advanced ID     | Description   | Type                    | Material | For Use With                        |
|----------|-----------------|---|-------------------------|----------|-------------------------------------|
| S5016    | <b>88129001</b> | Floor Box Accessories, Round Replacement Cover Flange, Brass                          | Floor Box Cover Flange  | Brass    | Round Full Sized Floor Boxes        |
| S5017G   | <b>98415793</b> | Floor Box Accessories, Rectangular Replacement Cover Flange, Brass With Grounding Tab | Floor Box Cover Flange  | Brass    | Rectangular Floor Boxes             |
| S5007    | <b>88128997</b> | Floor Box Accessories, Flush Plug, 1 1/2 in. Fine Thread Size, Brass                  | 1 1/2 in. Threaded Plug | Brass    | 1 1/2 in. Threaded Floor Box Covers |

### Plastic Floor Box Components

Hubbell Wiring Device-Kellems



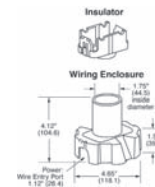
PFBA1A



PFBCBLA



PFBRAC



PFBT1A

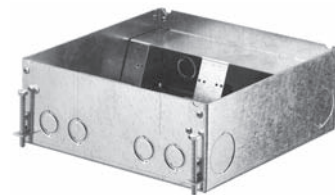
Accessories and components for round and rectangular plastic floor boxes.

| Mfg. No. | Advanced ID     | Description   | Type   | Material | For Use With | Dimensions      |
|----------|-----------------|---|--|----------|--------------|-----------------|
| PFBA1A   | <b>99939826</b> | Round Non-Metallic Floor Box Adapter, Includes Four Hangers for Tile Floors, Four Retainer Clips and Screws, Gray PVC                 | Round Plastic Floor Box Adapter Ring               | PVC      | PFB1         | 5.00 in. Dia.   |
| PFBCBLA  | <b>22037463</b> | Round Non-Metallic Floor Box Cover, Consisting of Cover Insert and Carpet Flange, Black   | Round Plastic Floor Box Cover and Flange           | PVC      | PFB1         | 6.25 in. Dia.   |
| PFBCBRA  | <b>99973458</b> | Round Non-Metallic Floor Box Cover, Consisting of Cover Insert and Carpet Flange, Brown   | Round Plastic Floor Box Cover and Flange           | PVC      | PFB1         | 6.25 in. Dia.   |
| PFBCGYA  | <b>99973066</b> | Round Non-Metallic Floor Box Cover, Consisting of Cover Insert and Carpet Flange, Gray  | Round Plastic Floor Box Cover and Flange           | PVC      | PFB1         | 6.25 in. Dia.   |
| PFBCIA   | <b>22000587</b> | Round Non-Metallic Floor Box Cover, Consisting of Cover Insert and Carpet Flange, Ivory   | Round Plastic Floor Box Cover and Flange           | PVC      | PFB1         | 6.25 in. Dia.   |
| PFBRAC   | <b>98296354</b> | Rectangular Non-Metallic Floor Box, Non-Metallic Adapter Collar, Gray   | Rectangular Plastic Floor Box Mounting Collar      | PVC      | PFB1         | Single-Gang     |
| PFBRFGY2 | <b>98296373</b> | Rectangular Non-Metallic Floor Box, Non-Metallic Carpet Flange (Includes Two Hubbell PFBRMC Mounting Collars), Gray                   | Rectangular Plastic Floor Box 2-Gang Carpet Flange | PVC      | PFB1         | Two-Gang        |
| PFBT1A   | <b>22017039</b> | Round Non-Metallic Floor Box, Low Voltage Divider for Multi-Service Applications. Consists of one Insulator and One Wiring Enclosure. | Round Plastic Floor Box Low Voltage Divider        | PVC      | PFB1         | 4.12 x 4.65 in. |

## Concrete Recessed Floor Boxes

Hubbell Wiring Device-Kellems

Hubbell offers a complete line of recessed stamped steel floor boxes for installation in concrete floor applications. These multi-service boxes are available in four or eight gang options and utilize modular face plates.



| Mfg. No.      | Advanced ID              | Description    | Side Conduit Knockouts           | Dimensions                  | Bottom Conduit Knockouts |
|---------------|--------------------------|----------------|----------------------------------|-----------------------------|--------------------------|
| HBLCFB301BASE | <a href="#">22069727</a> | 4 Gang Deep    | 1/2, 3/4, 1, 1 1/4 in. Each Side | 10.00L x 10.00W x 4.00D in. | None                     |
| HBLCFB401BASE | <a href="#">22057884</a> | 4 Gang Shallow | 1/2, 3/4 in. Each Side           | 10.00L x 10.00W x 2.63D in. | None                     |
| HBLCFB501BASE | <a href="#">22057885</a> | 8 Gang Deep    | 1/2, 3/4, 1, 1 1/4 in. Each Side | 10.00L x 10.00W x 5.13D in. | None                     |

## Concealed 3-Service Concrete Recessed Floor Box Flush Cover and Flange

Hubbell Wiring Device-Kellems



3SFBCBRA



3SFBCIA

Hubbell's Concealed 3-Service Floor Box is an ideal way to bring power, voice and communications to the point of use while blending into the office decor. Heavy duty cover flange has an inset area to accept carpet insert.

| Mfg. No. | Advanced ID              | Description               | Dimensions                                     | Material             |
|----------|--------------------------|---------------------------|--|----------------------|
| 3SFBCBRA | <a href="#">22073611</a> | 3 Service FB Cover, Brown | 12.88 x 6.00 x 3.00 in. (327.0 x 152.4 x 76.2) | ABS With Steel Plate |
| 3SFBCGYA | <a href="#">22070276</a> | 3 Service FB Cover, Gray  | 12.88 x 6.00 x 3.00 in. (327.0 x 152.4 x 76.2) | ABS With Steel Plate |
| 3SFBCIA  | <a href="#">22066484</a> | 3 Service FB Cover, Ivory | 12.88 x 6.00 x 3.00 in. (327.0 x 152.4 x 76.2) | ABS With Steel Plate |

## Concealed 3-Service Concrete Recessed Floor Box Plates

Hubbell Wiring Device-Kellems



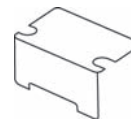
3SF BDS



3SF BRP



3SF BS



3SF BB



3SF BTP

Hubbell's Concealed 3-Service Floor Box is an ideal way to bring power, voice and communications to the point of use while blending into the office decor. Heavy duty cover flange has an inset area to accept carpet insert.

| Mfg. No. | Advanced ID              | Material | For Use With            |
|----------|--------------------------|----------|-------------------------|
| 3SF BDS  | <a href="#">90091233</a> | Steel    | Style Line Opening      |
| 3SF BRP  | <a href="#">88287275</a> | Steel    | Duplex Opening          |
| 3SF BS   | <a href="#">90091234</a> | Steel    | Single 1.40 in. Opening |
| 3SF BB   | <a href="#">90091232</a> | Steel    | Blank                   |
| 3SF BTP  | <a href="#">88287276</a> | Steel    | Voice/Data KO's         |



# Boxes & Fittings

## Boxes, Electrical - Floor, Poke-Through • Boxes, Electrical - Floor, Flush, Accessories

### Fire Rated Poke Throughs

Hubbell Wiring Device-Kellems



PT2FIT



PT2X2BL



PT2X2GY



PT4X4



PT4X4FIT

Hubbell's Fire-Rated Poke-Throughs are the "in the floor" solution within the extensive offering of delivery systems. Regardless of your needs, the 2 x 2, 4 x 4 or extended capacity versions all meet UL514A scrub mop test.

| Mfg. No.  | Advanced ID              | Type              | Dimensions                         | Cover Material | Cover Finish |
|-----------|--------------------------|-------------------|------------------------------------|----------------|--------------|
| PT2FIT    | <a href="#">99705601</a> | 2 x 2             | 11.86H x 8.00W in. (301.2 x 203.2) |                |              |
| PT2X2BL   | <a href="#">22075680</a> | 2 x 2             | 16.8H x 7.00 W in. (426.7 x 177.8) | Non-Metallic   | Painted      |
| PT2X2BRS3 | <a href="#">22080566</a> | 2 x 2             | 16.8H x 7.00 W in. (426.7 x 177.8) | Non-Metallic   | Brushed      |
| PT2X2GY   | <a href="#">22075679</a> | 2 x 2             | 16.8H x 7.00 W in. (426.7 x 177.8) | Non-Metallic   | Painted      |
| PT4X4BL   | <a href="#">22073280</a> | 4 x 4             | 12.44H x 8Dia. in. (316.0 x 302.2) | Non-Metallic   | Painted      |
| PT4X4BRS  | <a href="#">22106109</a> | 4 x 4             | 12.44H x 8Dia. in. (316.0 x 302.2) | Non-Metallic   | Brushed      |
| PT4X4BRS3 | <a href="#">22073396</a> | 4 x 4             | 12.44H x 8Dia. in. (316.0 x 302.2) | Non-Metallic   | Brushed      |
| PT4X4FIT  | <a href="#">22073301</a> | 4 x 4             | 12.44H in. (316.0)                 | Aluminum       | Painted      |
| PT4X4GY   | <a href="#">22073281</a> | 4 x 4             | 12.44H x 8Dia. in. (316.0 x 302.2) | Non-Metallic   | Painted      |
| PT7XC     | <a href="#">92122405</a> | Extended Capacity | 10.25H in. (260.4)                 |                |              |

### Fire Rated Poke Through Accessories

Hubbell Wiring Device-Kellems



SS309B



SS309D



SS309DS



FRP250



FR80AL

Accessories and options for pedestal series fire-rated poke-throughs.

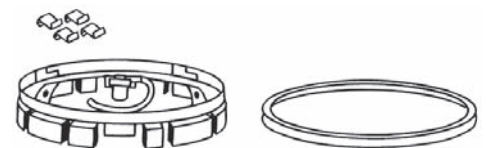
| Mfg. No. | Advanced ID              | Type                         | Material                 |
|----------|--------------------------|------------------------------|--------------------------|
| SS309B   | <a href="#">88129247</a> | Device Plate-Blank           | Stainless Steel          |
| SS309D   | <a href="#">88129249</a> | Device Plate-Duplex          | Stainless Steel          |
| SS309DS  | <a href="#">88298268</a> | Device Plate-Designer Series | Stainless Steel          |
| FRP250   | <a href="#">88128411</a> | 3in. Fire Rated Closure Plug | Composite                |
| FR80AL   | <a href="#">22073499</a> | Pedestal Housing             | Aluminum/Stainless Steel |

### Adjusting Ring, Non-Metallic

Steel City®

Features

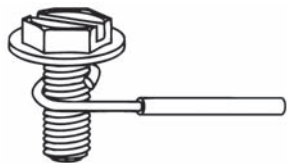
- Includes Pigtail, Gasket and Clips



| Mfg. No. | Advanced ID              | Description    | Type        | Material | For Use With          |
|----------|--------------------------|----------------|-------------|----------|-----------------------|
| 68-PAR   | <a href="#">92091270</a> | Adjusting Ring | NonMetallic | Plastic  | 68-P Series Floor Box |

## Electrical Boxes Accessories

Steel City®



GSC12



GSC12-S

| Mfg. No. | Advanced ID     | Type                                    | Features  |
|----------|-----------------|---|---|
| 820-D    | <b>88254986</b> | Screw, Switch Box                       | Mounts All Types of Wall Material Up to 1 1/2 in. Maximum Thickness<br>Grounds #12 and #14 Copper, #12 Aluminum Solid Conductors in Non-Metallic Sheathed Cable<br>Pre-looped 6 in. Solid Copper #12 AWG Insulated #12 AWG Insulated 8 in. Stranded Pigtail<br>Clips to Plaster, Drywall, Concrete Block, Brick or Concrete |
| GEE      | <b>88255030</b> | Clip, Grounding                         |   |
| GSC12    | <b>88255034</b> | Screw, Grounding with Insulated Pigtail |   |
| GSC12-S  | <b>91005753</b> | Screw, Grounding with Insulated Pigtail |   |
| OWC      | <b>88255088</b> | Support, Clip                           |   |

## Nail Plate

Arlington Industries, Inc.



| Mfg. No. | Advanced ID     | Description       | Dimensions            |
|----------|-----------------|-------------------|-----------------------|
| SP100    | <b>91028905</b> | Nail Plate, Steel | 1 1/2"W x 2 3/4"L in. |

## Boxes & Fittings

### Conduit Connectors, EMT - Straight

#### EMT Die Cast Set Screw Connectors

Arlington Industries, Inc. / Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / RACO® / Steel City®



| Size  | Arlington Industries, Inc. | Bridgeport Fittings, Inc. | Cooper Crouse-Hinds | RACO               | Steel City             |
|-------|----------------------------|---------------------------|---------------------|--------------------|------------------------|
| 1/2   | 800<br>(90080741)          | 230-DC2<br>(88031474)     | 2450<br>(88168929)  | 2602<br>(88217962) | TC221SC<br>(88254374)  |
| 3/4   | 801<br>(90080742)          | 231-DC2<br>(88031484)     | 2451<br>(91022707)  | 2603<br>(88217964) | TC222SC<br>(88254376)  |
| 1     | 802<br>(90080743)          | 232-DC2<br>(88031494)     | 2452<br>(91022708)  | 2604<br>(88217966) | TC223SC<br>(88254377)  |
| 1 1/4 | 803<br>(90080744)          | 233-DC2<br>(88031504)     | 2453<br>(91022709)  | 2605<br>(88217968) | TC224SC<br>(88254378)  |
| 1 1/2 | 804<br>(90080745)          | 234-DC2<br>(88031514)     | 2454<br>(91022710)  | 2606<br>(88217969) | TC225SC<br>(88254379)  |
| 2     | 805<br>(90080746)          | 235-DC2<br>(88031524)     | 2455<br>(91022711)  | 2608<br>(88217970) | TC226SC<br>(88254380)  |
| 2 1/2 | 806<br>(91029097)          | 236-DC2<br>(88301384)     | 2456<br>(91022712)  | 2640<br>(88217985) | TC227SC<br>(88254381)  |
| 3     | 807<br>(91029098)          | 237-DC2<br>(88031535)     | 2457<br>(91022713)  | 2642<br>(88217986) | TC228SC<br>(88254382)  |
| 3 1/2 | 8075<br>(91028986)         | 238-DC2<br>(88301385)     | 2458<br>(91022714)  | 2644<br>(88217987) | TC229SC<br>(88254383)  |
| 4     | 808<br>(91029099)          | 239-DC2<br>(88301386)     | 2459<br>(91022715)  | 2646<br>(88217988) | TC2210SC<br>(88254375) |

#### EMT Die Cast Insulated Set Screw Connectors

Arlington Industries, Inc. / Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / RACO® / Steel City®



| Size  | Arlington Industries, Inc. | Bridgeport Fittings, Inc. | Cooper Crouse-Hinds | RACO               | Steel City             |
|-------|----------------------------|---------------------------|---------------------|--------------------|------------------------|
| 1/2   | 800A<br>(90082670)         | 230-DCI2<br>(88031478)    | 3450<br>(91022671)  | 2634<br>(97104710) | TC821SC<br>(88254419)  |
| 3/4   | 801A<br>(90082671)         | 231-DCI2<br>(88031488)    | 3451<br>(91022672)  | 2635<br>(97104711) | TC822SC<br>(88254421)  |
| 1     | 802A<br>(90082672)         | 232-DCI2<br>(88031498)    | 3452<br>(91022673)  | 2636<br>(97104712) | TC823SC<br>(88254422)  |
| 1 1/4 | 803A<br>(90082673)         | 233-DCI2<br>(88031508)    | 3453<br>(91022674)  | 2637<br>(97104713) | TC824SC<br>(88254423)  |
| 1 1/2 | 804A<br>(90082674)         | 234-DCI2<br>(88031518)    | 3454<br>(96089466)  | 2638<br>(97104714) | TC825SC<br>(88254424)  |
| 2     | 805A<br>(90082675)         | 235-DCI2<br>(88031528)    | 3455<br>(91022676)  | 2639<br>(97104715) | TC826SC<br>(88254425)  |
| 2 1/2 | 806A<br>(90082676)         | 236-DCI2<br>(90042954)    | -                   | 2648<br>(97104716) | TC827SC<br>(88254426)  |
| 3     | 807A<br>(90082678)         | 237-DCI2<br>(89022473)    | -                   | 2649<br>(97104717) | TC828SC<br>(88254427)  |
| 3 1/2 | 8075A<br>(90082677)        | 238-DCI2<br>(90042955)    | -                   | 2650<br>(97104718) | TC829SC<br>(88254428)  |
| 4     | 808A<br>(90082679)         | 239-DCI2<br>(90042956)    | -                   | 2651<br>(97104719) | TC8210SC<br>(88254420) |

## EMT Die Cast Set Screw Couplings

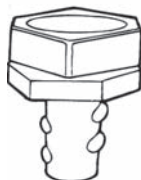
Arlington Industries, Inc. / Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / RACO® / Steel City®



| Size  | Arlington Industries, Inc. | Bridgeport Fittings, Inc. | Cooper Crouse-Hinds | RACO               | Steel City              |
|-------|----------------------------|---------------------------|---------------------|--------------------|-------------------------|
| 1/2   | 810<br>(90080747)          | 240-DC<br>(88031542)      | 2460<br>(88168939)  | 2622<br>(88217978) | TK221-SC<br>(88254465)  |
| 3/4   | 811<br>(90080748)          | 241-DC<br>(88031545)      | 2461<br>(88168940)  | 2623<br>(88217979) | TK222-SC<br>(88254467)  |
| 1     | 812<br>(90080749)          | 242-DC<br>(88031548)      | 2462<br>(88168941)  | 2624<br>(88217980) | TK223-SC<br>(88254468)  |
| 1 1/4 | 813<br>(90080750)          | 243-DC<br>(88031551)      | 2463<br>(91022718)  | 2625<br>(88217981) | TK224-SC<br>(88254469)  |
| 1 1/2 | 814<br>(90080751)          | 244-DC<br>(88031554)      | 2464<br>(91022719)  | 2626<br>(88217982) | TK225-SC<br>(88254470)  |
| 2     | 815<br>(90080753)          | 245-DC<br>(88031557)      | 2465<br>(91022720)  | 2628<br>(88217983) | TK226-SC<br>(88254471)  |
| 2 1/2 | 816<br>(91029094)          | 246-DC<br>(88031559)      | 2466<br>(91022721)  | 2670<br>(88217998) | TK227-SC<br>(88254472)  |
| 3     | 817<br>(91029095)          | 247-DC<br>(88031560)      | 2467<br>(91022722)  | 2672<br>(88217999) | TK228-SC<br>(88254473)  |
| 3 1/2 | 818<br>(91029096)          | 248-DC<br>(88031561)      | 2468<br>(91022723)  | 2674<br>(88218000) | TK229-SC<br>(88254474)  |
| 4     | 819<br>(90080754)          | 249-DC<br>(88031562)      | 2469<br>(91022724)  | 2676<br>(88218001) | TK2210-SC<br>(88254466) |

## EMT - Combination

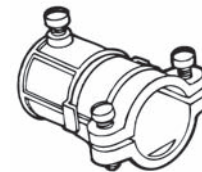
Steel City®



TX201



TX210



TX211

| Mfg. No. | Advanced ID | Material      | Features                   | Type                                      | Trade Size                      |
|----------|-------------|---------------|----------------------------|---|---------------------------------|
| LTT111   | 89088767    | Steel         | Rain Tight                 | Combination Compression Coupling          | 1/2 in. EMT to 1/2 in. Flexible |
| LTT112   | 89088766    | Steel         | Rain Tight                 | Combination Compression Coupling          | 3/4 in. EMT to 3/4 in. Flexible |
| TX201    | 93163740    | Die Cast Zinc | -                          | Combination Compression Screw-In Coupling | 1/2 in. EMT to 1/2 in. Flexible |
| TX202    | 93163741    | Die Cast Zinc | -                          | Combination Compression Screw-In Coupling | 3/4 in. EMT to 3/4 in. Flexible |
| TX210    | 93149360    | Die Cast Zinc | -                          | Combination Set-Screw Coupling            | 1/2 in. EMT to 3/8 in. Flexible |
| TX211    | 93163742    | Die Cast Zinc | -                          | Combination Set-Screw Coupling            | 1/2 in. EMT to 1/2 in. Flexible |
| TX220    | 88254504    | Die Cast Zinc | Concrete Tight, when Taped | Combination Set-Screw Coupling            | 1/2 in. EMT to 3/8 in. Flexible |
| TX221    | 88254505    | Die Cast Zinc | Concrete Tight, when Taped | Combination Set-Screw Coupling            | 1/2 in. EMT to 1/2 in. Flexible |
| TX222    | 88254506    | Die Cast Zinc | Concrete Tight, when Taped | Combination Set-Screw Coupling            | 3/4 in. EMT to 3/4 in. Flexible |
| TX223    | 88254507    | Die Cast Zinc | Concrete Tight, when Taped | Combination Set-Screw Coupling            | 1 in. EMT to 1 in. Flexible     |

# Boxes & Fittings

## Conduit Connectors, EMT - Straight

### EMT Die Cast Compression Connectors

Arlington Industries, Inc. / Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / RACO® / Steel City®



| Size  | Arlington Industries, Inc. | Bridgeport Fittings, Inc. | Cooper Crouse-Hinds | RACO               | Steel City            |
|-------|----------------------------|---------------------------|---------------------|--------------------|-----------------------|
| 1/2   | 820<br>(90080754)          | 250-DC2<br>(88031565)     | 2650<br>(91022661)  | 2802<br>(88218023) | TC211SC<br>(88254364) |
| 3/4   | 821<br>(90080755)          | 251-DC2<br>(88031571)     | 2651<br>(88168963)  | 2803<br>(88218025) | TC212SC<br>(88254366) |
| 1     | 822<br>(90080756)          | 252-DC2<br>(88031577)     | 2652<br>(88168964)  | 2804<br>(88218027) | TC213SC<br>(88254367) |
| 1 1/4 | 823<br>(90080757)          | 253-DC2<br>(88031583)     | 2653<br>(88168965)  | 2805<br>(88218029) | TC214SC<br>(88254368) |
| 1 1/2 | 824<br>(90080758)          | 254-DC2<br>(88031589)     | 2654<br>(88168966)  | 2806<br>(88218030) | TC215SC<br>(88254369) |
| 2     | 825<br>(90080759)          | 255-DC2<br>(88031595)     | 2655<br>(88168967)  | 2808<br>(88218031) | TC216SC<br>(88254370) |
| 2 1/2 | 826<br>(91029090)          | 256-DC2<br>(88301380)     | 2656<br>(88168968)  | 2840<br>(88218047) | TC217SC<br>(88254371) |
| 3     | 827<br>(91029091)          | 257-DC2<br>(88301381)     | 2657<br>(88168969)  | 2842<br>(88218048) | TC218SC<br>(88254372) |
| 3 1/2 | 828<br>(91029092)          | 258-DC2<br>(88301382)     | 2658<br>(88168970)  | 2844<br>(88218049) | TC219SC<br>(88254373) |
| 4     | 829<br>(91029093)          | 259-DC2<br>(88301383)     | 2659<br>(88168971)  | 2846<br>(88218050) | TC2110<br>(88254365)  |

### EMT Die Cast Insulated Compression Connectors

Arlington Industries, Inc. / Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / RACO® / Steel City®



| Size  | Arlington Industries, Inc. | Bridgeport Fittings, Inc. | Cooper Crouse-Hinds | RACO               | Steel City             |
|-------|----------------------------|---------------------------|---------------------|--------------------|------------------------|
| 1/2   | 820A<br>(90082680)         | 250-DCI2<br>(88031567)    | 3650<br>(88169063)  | 2832<br>(97104723) | TC811SC<br>(88254409)  |
| 3/4   | 821A<br>(90082681)         | 251-DCI2<br>(88031573)    | 3651<br>(91022662)  | 2833<br>(97104724) | TC812SC<br>(88254411)  |
| 1     | 822A<br>(90082682)         | 252-DCI2<br>(88031579)    | 3652<br>(91022663)  | 2834<br>(97104725) | TC813SC<br>(88254412)  |
| 1 1/4 | 823A<br>(90082683)         | 253-DCI2<br>(88031585)    | 3653<br>(91022664)  | 2835<br>(97104726) | TC814SC<br>(88254413)  |
| 1 1/2 | 824A<br>(90082684)         | 254-DCI2<br>(88031591)    | 3654<br>(91022665)  | 2836<br>(97104727) | TC815SC<br>(88254414)  |
| 2     | 825A<br>(90082685)         | 255-DCI2<br>(88031597)    | 3655<br>(88169068)  | 2838<br>(97104728) | TC816SC<br>(88254415)  |
| 2 1/2 | 826A<br>(90082686)         | 256-DCI2<br>(90042957)    | 3656<br>(91022667)  | 2890<br>(97104729) | TC817SC<br>(88254416)  |
| 3     | 827A<br>(90082687)         | 257-DCI2<br>(90042958)    | 3657<br>(91022668)  | 2892<br>(88218067) | TC818SC<br>(88254417)  |
| 3 1/2 | 828A<br>(90082688)         | 258-DCI2<br>(90042959)    | 3658<br>(91022669)  | 2894<br>(88218069) | TC819SC<br>(88254418)  |
| 4     | 829A<br>(90082689)         | 259-DCI2<br>(90042960)    | 3659<br>(91022670)  | 2896<br>(88218071) | TC8110SC<br>(88254410) |

## EMT Die Cast Compression Couplings

Arlington Industries, Inc. / Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / RACO® / Steel City®



| Size  | Arlington Industries, Inc. | Bridgeport Fittings, Inc. | Cooper Crouse-Hinds | RACO               | Steel City              |
|-------|----------------------------|---------------------------|---------------------|--------------------|-------------------------|
| 1/2   | 830<br>(90080760)          | 260-DC<br>(88031608)      | 2660<br>(88168972)  | 2822<br>(88218041) | TK211-SC<br>(88254455)  |
| 3/4   | 831<br>(90080761)          | 261-DC<br>(88031610)      | 2661<br>(88168973)  | 2823<br>(88218042) | TK212-SC<br>(88254457)  |
| 1     | 832<br>(90080762)          | 262-DC<br>(88031612)      | 2662<br>(88168974)  | 2824<br>(88218043) | TK213-SC<br>(88254458)  |
| 1 1/4 | 833<br>(90080763)          | 263-DC<br>(88031614)      | 2663<br>(88168975)  | 2825<br>(88218044) | TK214-SC<br>(88254459)  |
| 1 1/2 | 834<br>(90080764)          | 264-DC<br>(88031616)      | 2664<br>(88168976)  | 2826<br>(88218045) | TK215-SC<br>(88254460)  |
| 2     | 835<br>(90080766)          | 265-DC<br>(88031618)      | 2665<br>(88168977)  | 2828<br>(88218046) | TK216-SC<br>(88254461)  |
| 2 1/2 | 836<br>(91029086)          | 266-DC<br>(88031619)      | 2666<br>(88168978)  | 2870<br>(88218058) | TK217-SC<br>(88254462)  |
| 3     | 837<br>(91029087)          | 267-DC<br>(88031620)      | 2667<br>(88168979)  | 2872<br>(88218059) | TK218-SC<br>(88254463)  |
| 3 1/2 | 838<br>(91029088)          | 268-DC<br>(88031621)      | 2668<br>(91022659)  | 2874<br>(88218060) | TK219-SC<br>(88254464)  |
| 4     | 839<br>(91029089)          | 269-DC<br>(88031622)      | 2669<br>(91022660)  | 2876<br>(88218061) | TK2110-SC<br>(88254456) |

## EMT Steel Set Screw Couplings

Cooper Crouse-Hinds / RACO® / Steel City®



| Size  | Cooper Crouse-Hinds | RACO               | Steel City            |
|-------|---------------------|--------------------|-----------------------|
| 1/2   | 460<br>(88073680)   | 2022<br>(88217736) | TK121A<br>(22001751)  |
| 3/4   | 461<br>(88073681)   | 2023<br>(88217737) | TK122A<br>(22001752)  |
| 1     | 462<br>(88073682)   | 2024<br>(88217738) | TK123A<br>(22037425)  |
| 1 1/4 | 463<br>(88073683)   | 2025<br>(88217739) | TK124A<br>(22045799)  |
| 1 1/2 | 464<br>(88073684)   | 2026<br>(88217740) | TK125A<br>(22016222)  |
| 2     | 465<br>(88073685)   | 2028<br>(88217741) | TK126A<br>(22016223)  |
| 2 1/2 | 466<br>(88073686)   | -                  | TK127A<br>(22047132)  |
| 3     | 467<br>(88073687)   | -                  | TK128A<br>(22047133)  |
| 3 1/2 | 468<br>(88073688)   | -                  | TK129A<br>(22047134)  |
| 4     | 469<br>(88073689)   | -                  | TK1210A<br>(22047131) |



# Boxes & Fittings

## Conduit Connectors, EMT - Straight

### EMT Steel Set Screw Connectors

Cooper Crouse-Hinds / RACO® / Steel City®



| Size  | Cooper Crouse-Hinds | RACO               | Steel City            |
|-------|---------------------|--------------------|-----------------------|
| 1/2   | 450<br>(88076992)   | 2002<br>(88217728) | TC121A<br>(99969874)  |
| 3/4   | 451<br>(88073671)   | 2003<br>(88217729) | TC122A<br>(99969874)  |
| 1     | 452<br>(88073672)   | 2004<br>(88217730) | TC123A<br>(22045795)  |
| 1 1/4 | 453<br>(88073673)   | 2005<br>(88217731) | TC124A<br>(22045796)  |
| 1 1/2 | 454<br>(88073674)   | 2006<br>(88217732) | TC125A<br>(22045797)  |
| 2     | 455<br>(88073675)   | 2008<br>(88217733) | TC126A<br>(22045798)  |
| 2 1/2 | 456<br>(88073676)   | -                  | TC127A<br>(22047121)  |
| 3     | 457<br>(88073677)   | -                  | TC128A<br>(22047122)  |
| 3 1/2 | 458<br>(88073678)   | -                  | TC129A<br>(22047123)  |
| 4     | 459<br>(88073679)   | -                  | TC1210A<br>(22047120) |

### EMT Steel Compression Connectors

Cooper Crouse-Hinds / RACO® / Steel City® / Thomas & Betts



| Size  | Cooper Crouse-Hinds | RACO               | Steel City             | TNB                   |
|-------|---------------------|--------------------|------------------------|-----------------------|
| 1/2   | 650S<br>(88073716)  | 2902<br>(88218073) | TC111SC<br>(88254341)  | 5121-TB<br>(88264480) |
| 3/4   | 651S<br>(88073717)  | 2903<br>(88218074) | TC112SC<br>(88254343)  | 5221<br>(88264493)    |
| 1     | 652<br>(88073718)   | 2904<br>(88218075) | TC113SC<br>(88254344)  | 5321<br>(88264639)    |
| 1 1/4 | 653<br>(88073719)   | 2905<br>(88218076) | TC114SC<br>(88254345)  | 5421<br>(88264829)    |
| 1 1/2 | 654<br>(88073720)   | 2906<br>(88218077) | TC115SC<br>(88254346)  | 5521-TB<br>(88264975) |
| 2     | 655<br>(88073721)   | 2908<br>(88218078) | TC116SC<br>(88254347)  | 5621<br>(88264979)    |
| 2 1/2 | 656<br>(88073722)   | 2940<br>(88218091) | TC117SC<br>(88254348)  | -                     |
| 3     | 657<br>(88073723)   | 2942<br>(88218092) | TC118SC<br>(88254349)  | -                     |
| 3 1/2 | 658<br>(88073724)   | 2944<br>(88218093) | TC119SC<br>(88254350)  | -                     |
| 4     | 659<br>(88073725)   | 2946<br>(88218094) | TC1110SC<br>(88254342) | -                     |

## EMT Steel Compression Couplings

Cooper Crouse-Hinds / RACO® / Steel City® / Thomas & Betts



| Size  | Cooper Crouse-Hinds | RACO               | Steel City           | TNB                |
|-------|---------------------|--------------------|----------------------|--------------------|
| 1/2   | 660S<br>(88073726)  | 2922<br>(88218085) | TK111<br>(88254432)  | 5120<br>(88264479) |
| 3/4   | 661S<br>(88073727)  | 2923<br>(88218086) | TK112<br>(88254434)  | 5220<br>(88264492) |
| 1     | 662<br>(88073728)   | 2924<br>(88218087) | TK113<br>(88254435)  | 5320<br>(88264632) |
| 1 1/4 | 663<br>(88073729)   | 2925<br>(88218088) | TK114<br>(88254436)  | 5420<br>(88264822) |
| 1 1/2 | 664<br>(88073730)   | 2926<br>(88218089) | TK115<br>(88254437)  | 5520<br>(88264974) |
| 2     | 665<br>(88073731)   | 2928<br>(88218090) | TK116<br>(88254438)  | 5620<br>(88264978) |
| 2 1/2 | 666<br>(88073732)   | 2950<br>(88218095) | TK117<br>(88254439)  | -                  |
| 3     | 667<br>(88073733)   | 2952<br>(88218096) | TK118<br>(88254440)  | -                  |
| 3 1/2 | 668<br>(88073734)   | 2954<br>(88218097) | TK119<br>(88254441)  | -                  |
| 4     | 669<br>(88073735)   | 2956<br>(88218098) | TK1110<br>(88254433) | -                  |

## Insulated Set Screw Connectors - Steel or Malleable

Cooper Crouse-Hinds / Steel City® / Thomas & Betts



| Size  | Cooper Crouse-Hinds | Steel City          | TNB                   |
|-------|---------------------|---------------------|-----------------------|
| 1/2   | 150S<br>(88073598)  | HC701<br>(88254033) | 8125<br>(88265370)    |
| 3/4   | 151<br>(88073600)   | HC702<br>(88254034) | 8225<br>(88265389)    |
| 1     | 152<br>(88073602)   | HC703<br>(88254035) | 8325<br>(88265396)    |
| 1 1/4 | 153<br>(88073604)   | HC704<br>(88254036) | 8425<br>(88265403)    |
| 1 1/2 | 154<br>(88073606)   | HC705<br>(88254037) | 8525-TB<br>(88265427) |
| 2     | 155<br>(88073608)   | HC706<br>(88254038) | 8625<br>(88265436)    |
| 2 1/2 | 156<br>(88073610)   | HC707<br>(88254039) | 8725-TB<br>(88265441) |
| 3     | 157<br>(88073612)   | HC708<br>(88254040) | 8825<br>(88265446)    |
| 3 1/2 | 158<br>(88073614)   | -                   | 8855<br>(88265451)    |
| 4     | 159<br>(88073616)   | -                   | 8975<br>(88265456)    |

## Boxes & Fittings

### Conduit Couplings, Rigid and IMC Conduit • Conduit Connectors, Rigid and IMC Conduit - Straight

#### Set Screw Couplings - Steel or Malleable

Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / RACO® / Steel City® / Thomas & Betts



| Size  | Bridgeport Fittings, Inc. | Cooper Crouse-Hinds | RACO               | Steel City          | TNB                   |
|-------|---------------------------|---------------------|--------------------|---------------------|-----------------------|
| 1/2   | 3600<br>(97117339)        | 160<br>(88073618)   | 3022<br>(88218113) | HK101<br>(88254043) | 8124<br>(88265369)    |
| 3/4   | 3601<br>(97117340)        | 161<br>(88073620)   | 3023<br>(88218114) | HK102<br>(88254044) | 8224<br>(88265388)    |
| 1     | 3602<br>(97117341)        | 162<br>(88073622)   | 3024<br>(88218115) | HK103<br>(88254045) | 8324-TB<br>(88265395) |
| 1 1/4 | 3603<br>(97117342)        | 163<br>(88073624)   | 3025<br>(88218116) | HK104<br>(88254046) | 8424<br>(88265402)    |
| 1 1/2 | 3604<br>(97117343)        | 164<br>(88073626)   | 3026<br>(88218117) | HK105<br>(88254047) | 8524<br>(88265426)    |
| 2     | 3605<br>(97117344)        | 165<br>(88073628)   | 3028<br>(88218118) | HK106<br>(88254048) | 8624<br>(88265435)    |
| 2 1/2 | -                         | 166<br>(88073640)   | 2150<br>(88217804) | HK107<br>(88254049) | 8724-TB<br>(88265440) |
| 3     | -                         | 167<br>(88073642)   | 2152<br>(88217805) | HK108<br>(88254050) | 8824-TB<br>(88265445) |
| 3 1/2 | -                         | 168<br>(88073644)   | 2154<br>(88217806) | HK109<br>(88254051) | 8854<br>(88265450)    |
| 4     | -                         | 169<br>(88073646)   | 2156<br>(88217807) | HK110<br>(88254052) | 8974<br>(88265455)    |

#### Set Screw Connectors - Steel or Malleable

Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / RACO® / Steel City®



| Size  | Bridgeport Fittings, Inc. | Cooper Crouse-Hinds | RACO               | Steel City          |
|-------|---------------------------|---------------------|--------------------|---------------------|
| 1/2   | 3500<br>(97117333)        | 150P<br>(88073599)  | 3002<br>(88218103) | HC101<br>(88254013) |
| 3/4   | 3501<br>(97117334)        | 151P<br>(88073601)  | 3003<br>(88218104) | HC102<br>(88254014) |
| 1     | 3502<br>(97117335)        | 152P<br>(88073603)  | 3004<br>(88218105) | HC103<br>(88254015) |
| 1 1/4 | 3503<br>(97117336)        | 153P<br>(88073605)  | 3005<br>(88218106) | HC104<br>(88254016) |
| 1 1/2 | 3504<br>(97117337)        | 154P<br>(88073607)  | 3006<br>(88218107) | HC105<br>(88254017) |
| 2     | 3505<br>(97117338)        | 155P<br>(88073609)  | 3008<br>(88218108) | HC106<br>(88254018) |
| 2 1/2 | -                         | 156P<br>(88073611)  | 2140<br>(88217800) | HC107<br>(88254019) |
| 3     | -                         | 157P<br>(88073613)  | 2142<br>(88217801) | HC108<br>(88254020) |
| 3 1/2 | -                         | 158P<br>(88073615)  | 2144<br>(88217802) | HC109<br>(88254021) |
| 4     | -                         | 159P<br>(88073617)  | 2146<br>(88217803) | HC110<br>(88254022) |

## Threadless Compression Connectors - Steel or Malleable

Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / RACO® / Steel City® / Thomas & Betts



| Size  | Bridgeport         | Cooper Crouse-Hinds | RACO               | Steel City          | TNB                |
|-------|--------------------|---------------------|--------------------|---------------------|--------------------|
| 1/2   | 3000<br>(97117324) | CPR1<br>(88315112)  | 1802<br>(88217691) | HC401<br>(88254023) | 8121<br>(88265367) |
| 3/4   | 3001<br>(97117325) | CPR2<br>(88315113)  | 1803<br>(88217692) | HC402<br>(88254024) | 8221<br>(88265386) |
| 1     | 3002<br>(97117326) | CPR3<br>(88315114)  | 1804<br>(88217693) | HC403<br>(88254025) | 8321<br>(88265393) |
| 1 1/4 | 3003<br>(97117327) | CPR4<br>(88315115)  | 1805<br>(88217694) | HC404<br>(88254026) | 8421<br>(88265400) |
| 1 1/2 | 3004<br>(97117328) | CPR5<br>(88315116)  | 1806<br>(88217695) | HC405<br>(88254027) | 8521<br>(88265424) |
| 2     | 3005<br>(96086218) | CPR6<br>(88315117)  | 1808<br>(88217696) | HC406<br>(88254028) | 8621<br>(88265433) |
| 2 1/2 | -                  | CPR7<br>(88315118)  | 1810<br>(90083669) | HC407<br>(88254029) | 8721<br>(88265438) |
| 3     | -                  | CPR8<br>(88315119)  | 1812<br>(90013074) | HC408<br>(88254030) | 8821<br>(88265443) |
| 3 1/2 | -                  | CPR9<br>(88315120)  | 1814<br>(90094936) | HC409<br>(88254031) | 8851<br>(88265448) |
| 4     | -                  | CPR10<br>(88315121) | 1816<br>(90013075) | HC410<br>(88254032) | 8971<br>(88265453) |

## Threadless Compression Coupling - Steel or Malleable

Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / RACO® / Steel City® / Thomas & Betts



| Size  | Bridgeport         | Cooper Crouse-Hinds | RACO               | Steel City          | TNB                |
|-------|--------------------|---------------------|--------------------|---------------------|--------------------|
| 1/2   | 3100<br>(96021776) | CPR21<br>(88315102) | 1822<br>(88217697) | HK401<br>(88254053) | 8120<br>(88265366) |
| 3/4   | 3101<br>(96021777) | CPR22<br>(88315103) | 1823<br>(88217698) | HK402<br>(88254054) | 8220<br>(88265385) |
| 1     | 3102<br>(96021778) | CPR23<br>(88315104) | 1824<br>(88217699) | HK403<br>(88254055) | 8320<br>(88265392) |
| 1 1/4 | 3103<br>(96021779) | CPR24<br>(88315105) | 1825<br>(88217700) | HK404<br>(88254056) | 8420<br>(88265399) |
| 1 1/2 | 3104<br>(96021780) | CPR25<br>(88315106) | 1826<br>(88217701) | HK405<br>(88254057) | 8520<br>(88265423) |
| 2     | 3105<br>(96021781) | CPR26<br>(88315107) | 1828<br>(88217702) | HK406<br>(88254058) | 8620<br>(88265432) |
| 2 1/2 | -                  | CPR27<br>(88315108) | 1830<br>(90083670) | HK407<br>(88254059) | 8720<br>(88265437) |
| 3     | -                  | CPR28<br>(88315109) | 1832<br>(90094937) | HK408<br>(88254060) | 8820<br>(88265442) |
| 3 1/2 | -                  | CPR29<br>(88315110) | 1834<br>(90094938) | HK409<br>(88254061) | 8850<br>(88265447) |
| 4     | -                  | CPR30<br>(88315111) | 1836<br>(90094939) | HK410<br>(88254062) | 8970<br>(88265452) |

### 3 Piece Couplings - Steel or Malleable

Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / RACO® / Steel City® / Thomas & Betts



| Size  | Bridgeport                | Cooper Crouse-Hinds       | RACO                      | Steel City                 | TNB                         |
|-------|---------------------------|---------------------------|---------------------------|----------------------------|-----------------------------|
| 1/2   | 1121<br><b>(88031169)</b> | 190M<br><b>(88315059)</b> | 1502<br><b>(88217616)</b> | EK401<br><b>(88253959)</b> | 675<br><b>(88265270)</b>    |
| 3/4   | 1122<br><b>(88031172)</b> | 191<br><b>(88315060)</b>  | 1503<br><b>(88217617)</b> | EK402<br><b>(88253960)</b> | 676<br><b>(88265272)</b>    |
| 1     | 1123<br><b>(88031175)</b> | 192<br><b>(88315061)</b>  | 1504<br><b>(88217618)</b> | EK403<br><b>(88253961)</b> | 677<br><b>(88265274)</b>    |
| 1 1/4 | 1124<br><b>(88031178)</b> | 193<br><b>(88315062)</b>  | 1505<br><b>(88217619)</b> | EK404<br><b>(88253962)</b> | 678<br><b>(88265276)</b>    |
| 1 1/2 | 1125<br><b>(88031180)</b> | 194<br><b>(88315063)</b>  | 1506<br><b>(88217620)</b> | EK405<br><b>(88253963)</b> | 679<br><b>(88265278)</b>    |
| 2     | 1126<br><b>(88031182)</b> | 195<br><b>(88315064)</b>  | 1508<br><b>(88217621)</b> | EK406<br><b>(88253964)</b> | 680-TB<br><b>(88265280)</b> |
| 2 1/2 | 1127<br><b>(88031184)</b> | 196<br><b>(94027603)</b>  | 1510<br><b>(88217622)</b> | EK407<br><b>(88253965)</b> | 681<br><b>(88265282)</b>    |
| 3     | 1128<br><b>(88031186)</b> | 197<br><b>(88315048)</b>  | 1512<br><b>(88217623)</b> | EK408<br><b>(88253966)</b> | 682<br><b>(88265284)</b>    |
| 3 1/2 | 1129<br><b>(88031188)</b> | 198<br><b>(88315049)</b>  | 1514<br><b>(88217624)</b> | EK409<br><b>(88253967)</b> | 683<br><b>(88265286)</b>    |
| 4     | 1130<br><b>(88031190)</b> | 199<br><b>(88315050)</b>  | 1516<br><b>(88217625)</b> | EK410<br><b>(88253968)</b> | 684<br><b>(88265288)</b>    |
| 5     | 1131<br><b>(88031192)</b> | 188<br><b>(88315057)</b>  | 1520<br><b>(88217626)</b> | EK411<br><b>(88253969)</b> | 686<br><b>(88265292)</b>    |
| 6     | 1132<br><b>(88031193)</b> | 189<br><b>(88315058)</b>  | 1524<br><b>(88217627)</b> | EK412<br><b>(88253970)</b> | 687<br><b>(88265294)</b>    |

## AC/MC/FMC Straight Connectors

Bridgeport Fittings, Inc. Fittings, Inc.



Squeeze Connectors



E-Z Lock Connectors

| Mfg. No. | Advanced ID     | Connection Type | Connection Capacity | Trade Size | Material       | Finish             |
|----------|-----------------|-----------------|---------------------|------------|----------------|--------------------|
| 403      | <b>88031753</b> | Squeeze         | 1/2 in.             | 3/8 in.    | Malleable Iron | Electro Zinc Plate |
| 403-DC2  | <b>88031755</b> | Squeeze         | 1/2 in.             | 3/8 in.    | Zinc Die Cast  | As Cast            |
| 407      | <b>88031758</b> | Squeeze         | Trade Size          | 1/2 in.    | Malleable Iron | Electro Zinc Plate |
| 407-DC2  | <b>88031761</b> | Squeeze         | Trade Size          | 1/2 in.    | Zinc Die Cast  | As Cast            |
| 408      | <b>88031765</b> | Squeeze         | Trade Size          | 3/4 in.    | Malleable Iron | Electro Zinc Plate |
| 408-DC2  | <b>88031768</b> | Squeeze         | Trade Size          | 3/4 in.    | Zinc Die Cast  | As Cast            |
| 410      | <b>88031773</b> | Squeeze         | Trade Size          | 1 in.      | Malleable Iron | Electro Zinc Plate |
| 410-DC2  | <b>88031775</b> | Squeeze         | Trade Size          | 1 in.      | Zinc Die Cast  | As Cast            |
| 412      | <b>88031779</b> | Squeeze         | Trade Size          | 1 1/4 in.  | Malleable Iron | Electro Zinc Plate |
| 412-DC2  | <b>88031781</b> | Squeeze         | Trade Size          | 1 1/4 in.  | Zinc Die Cast  | As Cast            |
| 414      | <b>88031785</b> | Squeeze         | Trade Size          | 1 1/2 in.  | Malleable Iron | Electro Zinc Plate |
| 414-DC2  | <b>88031787</b> | Squeeze         | Trade Size          | 1 1/2 in.  | Zinc Die Cast  | As Cast            |
| 416      | <b>88031791</b> | Squeeze         | Trade Size          | 2 in.      | Malleable Iron | Electro Zinc Plate |
| 416-DC2  | <b>88031793</b> | Squeeze         | Trade Size          | 2 in.      | Zinc Die Cast  | As Cast            |
| 417      | <b>88031797</b> | Squeeze         | Trade Size          | 2 1/2 in.  | Malleable Iron | Electro Zinc Plate |
| 417-DC2  | <b>95075642</b> | Squeeze         | Trade Size          | 2 1/2 in.  | Zinc Die Cast  | As Cast            |
| 418      | <b>88031798</b> | Squeeze         | Trade Size          | 3 in.      | Malleable Iron | Electro Zinc Plate |
| 418-DC2  | <b>95075644</b> | Squeeze         | Trade Size          | 3 in.      | Zinc Die Cast  | As Cast            |
| 419      | <b>88031799</b> | Squeeze         | Trade Size          | 3 1/2 in.  | Malleable Iron | Electro Zinc Plate |
| 419-DC2  | <b>95075645</b> | Squeeze         | Trade Size          | 4 in.      | Zinc Die Cast  | As Cast            |
| 420      | <b>88031801</b> | Squeeze         | Trade Size          | 4 in.      | Malleable Iron | Electro Zinc Plate |
| 420-DC2  | <b>95075647</b> | Squeeze         | Trade Size          | 4 in.      | Zinc Die Cast  | As Cast            |
| 501-DC2  | <b>88031922</b> | Set Screw       | 3/8                 | 3/8 in.    | Zinc Die Cast  | As Cast            |
| 507-DC2  | <b>88031924</b> | Set Screw       | 3/8                 | 1/2 in.    | Zinc Die Cast  | As Cast            |
| 508-DC2  | <b>88031928</b> | Set Screw       | 3/4                 | 3/4 in.    | Zinc Die Cast  | As Cast            |
| 560-DC2  | <b>88031976</b> | Set Screw       | 3/8                 | 3/8 in.    | Zinc Die Cast  | As Cast            |
| 560-DC12 | <b>99421786</b> | -               | 3/8                 | 3/8 in.    | Zinc Die Cast  | As Cast            |
| 561-DC2  | <b>95078152</b> | Set Screw       | 3/8                 | 1/2 in.    | Zinc Die Cast  | As Cast            |
| 570-DC2  | <b>99600818</b> | E-Z Lock        | 3/8                 | 3/8 in.    | Zinc Die Cast  | As Cast            |
| 570-MC   | <b>94057705</b> | E-Z Lock        | 3/8                 | 3/8 in.    | Steel          | -                  |
| 571-DC2  | <b>22124013</b> | -               | 3/8                 | 1/2 in.    | Zinc Die Cast  | As Cast            |
| 572-DC2  | <b>22124014</b> | -               | 3/4                 | 3/4 in.    | Zinc Die Cast  | As Cast            |
| 573-DC2  | <b>22124015</b> | -               | 1                   | 1 in.      | Zinc Die Cast  | As Cast            |
| 575-MC   | <b>95012538</b> | E-Z Lock        | 3/8                 | 1/2 in.    | Steel          | Electro Zinc Plate |
| 580-MC   | <b>95008391</b> | E-Z Lock        | 3/8                 | 3/8 in.    | Steel          | Electro Zinc Plate |
| 590-DC2  | <b>22122194</b> | Snap-In         | 3/8                 | 3/8 in.    | Zinc Die Cast  | As Cast            |
| 590-DC12 | <b>22122195</b> | Snap-In         | 3/8                 | 3/8 in.    | Zinc Die Cast  | -                  |
| 601-DC2  | <b>88031988</b> | Duplex Squeeze  | 3/8                 | 3/8 in.    | Zinc Die Cast  | As Cast            |
| 630-DC2  | <b>88032000</b> | Duplex Squeeze  | 3/8                 | 3/8 in.    | Zinc Die Cast  | As Cast            |
| 653-DC2  | <b>88032014</b> | 2-Screw         | 3/8                 | 1/2 in.    | Zinc Die Cast  | As Cast            |
| 655-DC2  | -               | 2-Screw         | 3/4                 | 3/4 in.    | Zinc Die Cast  | As Cast            |
| 657-DC2  | -               | 2-Screw         | 1                   | 1 in.      | Zinc Die Cast  | As Cast            |



### Conduit Connectors, Armored/Flex Cable - Straight

Arlington Industries, Inc.



3838AST



L421



L427



38AST



SG3838AST

| Mfg. No.  | Advanced ID              | Connection Type               | Connection Capacity    | Trade Size                | Material      | Finish  |
|-----------|--------------------------|-------------------------------|------------------------|---------------------------|---------------|---------|
| 3838AST   | <a href="#">99472137</a> | Snap-In                       | (2)0.405 to 0.612 in.  | 3/8 in.                   | Zinc Die Cast | As Cast |
| 38AST     | <a href="#">98317711</a> | Snap-In                       | 0.405 to 0.612 in.     | 3/8 in.                   | Zinc Die Cast | As Cast |
| 845       | <a href="#">91029081</a> | Set-Screw                     | 0.445 to 0.630 in.     | 3/8 in.                   | Zinc Die Cast | As Cast |
| L421      | <a href="#">90082719</a> | Squeeze, Set-Screw            | 0.850 to 0.910 in.     | 1/2 in.                   | Zinc Die Cast | As Cast |
| L422      | <a href="#">90082721</a> | Squeeze, Set-Screw            | 1.100 to 1.135 in.     | 3/4 in.                   | Zinc Die Cast | As Cast |
| L423      | <a href="#">90082722</a> | Squeeze, Set-Screw            | 1.255 to 1.375 in.     | 1 in.                     | Zinc Die Cast | As Cast |
| L426      | <a href="#">90082725</a> | Squeeze, Set-Screw            | 2.260 to 2.485 in.     | 2 in.                     | Zinc Die Cast | As Cast |
| L427      | <a href="#">90082726</a> | Squeeze, Set-Screw            | 2.770 to 2.950 in.     | 2 1/2 in.                 | Zinc Die Cast | As Cast |
| L428      | <a href="#">90082727</a> | Squeeze, Set-Screw            | 3.170 to 3.560 in.     | 3 in.                     | Zinc Die Cast | As Cast |
| L48       | <a href="#">90095772</a> | Set-Screw                     | 0.625 to 0.915 in.     | 1/2 in.                   | Zinc Die Cast | As Cast |
| SG38      | <a href="#">91028899</a> | SaddleGrip®, Set-Screw        | 0.405 to 0.612 in.     | 3/8 in., 1/2 in. Knockout | Zinc Die Cast | As Cast |
| SG3838AST | <a href="#">96000069</a> | SaddleGrip®, Snap On, 2-Screw | (2) 0.445 to 0.612 in. | 3/8 in., 1/2 in. Knockout | Zinc Die Cast | As Cast |
| SG3838ST  | <a href="#">92121101</a> | Duplex SaddleGrip®, 2-Screw   | (2) 0.445 to 0.612 in. | 3/8 in., 1/2 in. Knockout | Zinc Die Cast | As Cast |
| SG38AST   | <a href="#">92125293</a> | SaddleGrip®, Set-Screw        | 0.405 to 0.612 in.     | 3/8 in., 1/2 in. Knockout | Zinc Die Cast | As Cast |
| SG50      | <a href="#">92050101</a> | Saddle Grip, Set-Screw        | 0.710 to 0.910 in.     | 1/2 in., 1/2 in. Knockout | Zinc Die Cast | As Cast |

### Conduit Connectors, Armored/Flex Cable - 90°

Arlington Industries, Inc.

Features

- With Locknut



| Mfg. No. | Advanced ID              | Type                        | Trade Size | Material      | Finish  |
|----------|--------------------------|-----------------------------|------------|---------------|---------|
| 852      | <a href="#">90082693</a> | Metallic Squeeze Connection | 3/4 in.    | Die Cast Zinc | As Cast |
| 854      | <a href="#">90082695</a> | Metallic Squeeze Connection | 1 1/4 in.  | Die Cast Zinc | As Cast |
| 855      | <a href="#">90082696</a> | Metallic Squeeze Connection | 1 1/2 in.  | Die Cast Zinc | As Cast |
| 856      | <a href="#">90082697</a> | Metallic Squeeze Connection | 2 in.      | Die Cast Zinc | As Cast |

## Straight Screw-in Die Cast Flex Connectors

Arlington Industries, Inc. / Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / RACO® / Steel City®



| Trade                       | Size | KO                          | Arlington                  | Bridgeport                   | Cooper Crouse-Hinds      | RACO                      | Steel City                 |
|-----------------------------|------|-----------------------------|----------------------------|------------------------------|--------------------------|---------------------------|----------------------------|
| <sup>3</sup> / <sub>8</sub> |      | <sup>1</sup> / <sub>2</sub> | GF38<br><b>(90082717)</b>  | 519-DC2<br><b>(88031934)</b> | 770<br><b>(92062097)</b> | 2281<br><b>(88217853)</b> | XC240<br><b>(88254631)</b> |
| <sup>1</sup> / <sub>2</sub> |      | <sup>1</sup> / <sub>2</sub> | GF50<br><b>(90095771)</b>  | 520-DC2<br><b>(88031940)</b> | 771<br><b>(91022677)</b> | 2282<br><b>(88217854)</b> | XC241<br><b>(88254632)</b> |
| <sup>3</sup> / <sub>4</sub> |      | <sup>3</sup> / <sub>4</sub> | GF75<br><b>(91028696)</b>  | 521-DC2<br><b>(88031944)</b> | 772<br><b>(91022678)</b> | 2283<br><b>(88217855)</b> | XC242<br><b>(88254633)</b> |
| 1                           |      | 1                           | GF100<br><b>(91028712)</b> | 522-DC2<br><b>(88031948)</b> | 773<br><b>(91022679)</b> | -                         | XC243<br><b>(88254634)</b> |
| <sup>1</sup> / <sub>4</sub> |      | <sup>1</sup> / <sub>4</sub> | GF125<br><b>(91028711)</b> | 523-DC2<br><b>(88031952)</b> | 774<br><b>(91022680)</b> | -                         | XC244<br><b>(89088714)</b> |
| <sup>1</sup> / <sub>2</sub> |      | <sup>1</sup> / <sub>2</sub> | GF150<br><b>(91028709)</b> | 524-DC2<br><b>(88031956)</b> | 775<br><b>(91022681)</b> | -                         | XC245<br><b>(89088713)</b> |
| 2                           |      | 2                           | GF200<br><b>(91028707)</b> | 525-DC2<br><b>(88031960)</b> | 776<br><b>(91022682)</b> | -                         | XC246<br><b>(89088712)</b> |

### Note:

Advanced ID in blue.

## Angled Connectors

Bridgeport Fittings, Inc. Fittings, Inc.

### Benefits

- Connector With Cover for Connecting Flexible Metal Conduit to Box



| Mfg. No.              | Advanced ID     | Type        | Trade Size                      | Material       | Finish              |
|-----------------------|-----------------|-------------|---------------------------------|----------------|---------------------|
| <b>Zinc Die Cast</b>  |                 |             |                                 |                |                     |
| 801-DC2               | <b>88032183</b> | Squeeze 90° | <sup>3</sup> / <sub>8</sub> in. | Zinc Die Cast  | As Cast             |
| 804-DC2               | <b>88032191</b> | Squeeze 90° | <sup>1</sup> / <sub>2</sub> in. | Zinc Die Cast  | As Cast             |
| 806-DC2               | <b>88032198</b> | Squeeze 90° | <sup>3</sup> / <sub>4</sub> in. | Zinc Die Cast  | As Cast             |
| 807-DC2               | <b>88032204</b> | Squeeze 90° | 1 in.                           | Zinc Die Cast  | As Cast             |
| 808-DC2               | <b>88032210</b> | Squeeze 90° | <sup>1</sup> / <sub>4</sub> in. | Zinc Die Cast  | As Cast             |
| 809-DC2               | <b>92050717</b> | Squeeze 90° | <sup>1</sup> / <sub>2</sub> in. | Zinc Die Cast  | As Cast             |
| 810-DC2               | <b>92050718</b> | Squeeze 90° | 2 in.                           | Zinc Die Cast  | As Cast             |
| 811-DC2               | <b>25061700</b> | Squeeze 90° | <sup>2</sup> / <sub>2</sub> in. | Zinc Die Cast  | As Cast             |
| 812-DC2               | <b>25061703</b> | Squeeze 90° | 3 in.                           | Zinc Die Cast  | As Cast             |
| <b>Malleable Iron</b> |                 |             |                                 |                |                     |
| 801                   | <b>88032181</b> | Squeeze 90° | <sup>3</sup> / <sub>8</sub> in. | Malleable Iron | Zinc Electro-Plated |
| 804                   | <b>88032189</b> | Squeeze 90° | <sup>1</sup> / <sub>2</sub> in. | Malleable Iron | Zinc Electro-Plated |
| 806                   | <b>88032196</b> | Squeeze 90° | <sup>3</sup> / <sub>4</sub> in. | Malleable Iron | Zinc Electro-Plated |
| 807                   | <b>88032202</b> | Squeeze 90° | 1 in.                           | Malleable Iron | Zinc Electro-Plated |
| 808                   | <b>88032208</b> | Squeeze 90° | <sup>1</sup> / <sub>4</sub> in. | Malleable Iron | Zinc Electro-Plated |
| 809                   | <b>88032214</b> | Squeeze 90° | <sup>1</sup> / <sub>2</sub> in. | Malleable Iron | Zinc Electro-Plated |
| 810                   | <b>88032217</b> | Squeeze 90° | 2 in.                           | Malleable Iron | Zinc Electro-Plated |
| 811                   | <b>88032219</b> | Squeeze 90° | <sup>2</sup> / <sub>2</sub> in. | Malleable Iron | Zinc Electro-Plated |
| 812                   | <b>88032220</b> | Squeeze 90° | 3 in.                           | Malleable Iron | Zinc Electro-Plated |
| 813                   | <b>88301387</b> | Squeeze 90° | <sup>3</sup> / <sub>2</sub> in. | Malleable Iron | Zinc Electro-Plated |
| 814                   | <b>88317753</b> | Squeeze 90° | 4 in.                           | Malleable Iron | Zinc Electro-Plated |

### Squeeze Flex Connectors 90 Degree

Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / RACO® / Steel City® / Thomas & Betts

#### Features

- Steel/Malleable Iron



| Size  |       | Bridgeport               | Cooper Crouse-Hinds      | RACO                      | Steel City                 | TNB                         |
|-------|-------|--------------------------|--------------------------|---------------------------|----------------------------|-----------------------------|
| Trade | KO    |                          |                          |                           |                            |                             |
| 3/8   | 1/2   | 801<br><b>(88032181)</b> | 724<br><b>(91007404)</b> | 2201<br><b>(88217822)</b> | XC490<br><b>(88254659)</b> | 266-TB<br><b>(88263896)</b> |
| 1/2   | 1/2   | 804<br><b>(88032189)</b> | 736<br><b>(91007405)</b> | 2202<br><b>(88217823)</b> | XC491<br><b>(88254660)</b> | 268-TB<br><b>(88263896)</b> |
| 3/4   | 3/4   | 806<br><b>(88032196)</b> | 738<br><b>(91007406)</b> | 2203<br><b>(88217824)</b> | XC492<br><b>(88254661)</b> | 270<br><b>(88263932)</b>    |
| 1     | 1     | 807<br><b>(88032202)</b> | 739<br><b>(91026456)</b> | 2204<br><b>(88217825)</b> | XC493<br><b>(88254662)</b> | 273-TB<br><b>(88263944)</b> |
| 1 1/4 | 1 1/4 | 808<br><b>(88032208)</b> | 740<br><b>(91026454)</b> | 2205<br><b>(88217826)</b> | XC494<br><b>(88254663)</b> | 274<br><b>(88263945)</b>    |
| 1 1/2 | 1 1/2 | 809<br><b>(88032214)</b> | 741<br><b>(91026455)</b> | 2206<br><b>(88217827)</b> | XC495<br><b>(88254664)</b> | 275<br><b>(88263946)</b>    |
| 2     | 2     | 810<br><b>(88032217)</b> | 742<br><b>(91026520)</b> | 2208<br><b>(88217828)</b> | XC496<br><b>(88254665)</b> | 276<br><b>(88263947)</b>    |

#### Note:

Advanced ID in blue.

### Armored / Flex Cable - Straight

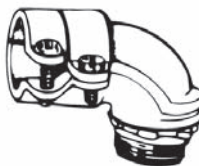
Steel City®



| Mfg. No. | Advanced ID     | Connection Type    | Connection Capacity           | Trade Size                | Material       | Finish      |
|----------|-----------------|--------------------|-------------------------------|---------------------------|----------------|-------------|
| XC210    | <b>88254627</b> | Clamp              | 0.13 to 0.65 in.              | 3/8 in., 1/2 in. Knockout | Zinc Die Cast  | Cast        |
| XC220SC  | <b>88254629</b> | Set-Screw          | 0.38 to 0.63 in.              | 3/8 in., 1/2 in. Knockout | Zinc Die Cast  | Cast        |
| XC221    | <b>88254630</b> | Set-Screw          | 0.74 to 0.94 in.              | 1/2 in.                   | Zinc Die Cast  | Cast        |
| XC240    | <b>88254631</b> | Screw-In           | 3/8 in. Armored Cable         | 3/8 in., 1/2 in. Knockout | Zinc Die Cast  | Cast        |
| XC243    | <b>88254634</b> | Screw-In           | 1 in. Armored Cable           | 1 in.                     | Zinc Die Cast  | Cast        |
| XC244    | <b>89088714</b> | Screw-In           | 1 1/4 in. Armored Cable       | 1 1/4 in.                 | Zinc Die Cast  | Cast        |
| XC245    | <b>89088713</b> | Screw-In           | 1 1/2 in. Armored Cable       | 1 1/2 in.                 | Zinc Die Cast  | Cast        |
| XC246    | <b>89088712</b> | Screw-In           | 2 in. Armored Cable           | 2 in.                     | Zinc Die Cast  | Cast        |
| XC270    | <b>88254636</b> | Squeeze            | 1/2 in. Armored Cable         | 1/2 in.                   | Zinc Die Cast  | Cast        |
| XC2710   | <b>93162924</b> | Squeeze            | 4 in. Armored Cable           | 4 in.                     | Zinc Die Cast  | Cast        |
| XC272    | <b>88254637</b> | Squeeze            | 3/4 in. Armored Cable         | 3/4 in.                   | Zinc Die Cast  | Cast        |
| XC274    | <b>89088718</b> | Squeeze            | 1 1/4 in. Armored Cable       | 1 1/4 in.                 | Zinc Die Cast  | Cast        |
| XC276    | <b>89088716</b> | Squeeze            | 2 in. Armored Cable           | 2 in.                     | Zinc Die Cast  | Cast        |
| XC277    | <b>93162922</b> | Squeeze            | 2 1/2 in. Armored Cable       | 2 1/2 in.                 | Zinc Die Cast  | Cast        |
| XC278    | <b>93162923</b> | Squeeze            | 3 in. Armored Cable           | 3 in.                     | Zinc Die Cast  | Cast        |
| XC280    | <b>88254639</b> | Clamp              | 3/8 in. Armored Cable         | 3/8 in., 1/2 in. Knockout | Zinc Die Cast  | Cast        |
| XC400    | <b>88254643</b> | Squeeze            | 3/8 in. Armored Cable         | 3/8 in., 1/2 in. Knockout | Stamped Steel  | Zinc Plated |
| XC403    | <b>88254646</b> | Squeeze            | 1 in. Armored Cable           | 1 in.                     | Malleable Iron | Zinc Plated |
| XC404    | <b>88254647</b> | Squeeze            | 1 1/4 in. Armored Cable       | 1 1/4 in.                 | Malleable Iron | Zinc Plated |
| XC405    | <b>88254648</b> | Squeeze            | 1 1/2 in. Armored Cable       | 1 1/2 in.                 | Malleable Iron | Zinc Plated |
| XC406    | <b>88254649</b> | Squeeze            | 2 in. Armored Cable           | 2 in.                     | Malleable Iron | Zinc Plated |
| XC407    | <b>88254650</b> | Squeeze            | 2 1/2 in. Armored Cable       | 2 1/2 in.                 | Malleable Iron | Zinc Plated |
| XC408    | <b>88254651</b> | Squeeze            | 3 in. Armored Cable           | 3 in.                     | Malleable Iron | Zinc Plated |
| XC730    | <b>96021104</b> | Snap-On, Set Screw | 1/2 in. Armored Cable/RW Flex | 1/2 in.                   | Stamped Steel  | Zinc Plated |
| XC7300   | <b>96021118</b> | Snap-On, Set Screw | 1/2 in. Armored Cable         | 1/2 in.                   | Stamped Steel  | Zinc Plated |
| XC901    | <b>88254668</b> | Squeeze            | 1/2 in. Armored Cable         | 1/2 in.                   | Stamped Steel  | Zinc Plated |
| XC902    | <b>88254669</b> | Squeeze            | 3/4 in. Armored Cable         | 3/4 in.                   | Stamped Steel  | Zinc Plated |

## Armored / Flex Cable - Elbow

Steel City®



| Mfg. No.          | Advanced ID     | Type                          | Trade Size | Material      | Finish      |
|-------------------|-----------------|-------------------------------|------------|---------------|-------------|
| <b>Clamp Type</b> |                 |                               |            |               |             |
| XC292             | <b>88254642</b> | Metallic Clamp Connection 90° | 3/4 in.    | Die Cast Zinc | Zinc Plated |
| XC293             | <b>93147849</b> | Metallic Clamp Connection 90° | 1 in.      | Die Cast Zinc | Zinc Plated |
| XC294             | <b>93149363</b> | Metallic Clamp Connection 90° | 1 1/4 in.  | Die Cast Zinc | Zinc Plated |
| XC295             | <b>93162920</b> | Metallic Clamp Connection 90° | 1 1/2 in.  | Die Cast Zinc | Zinc Plated |
| XC296             | <b>93162916</b> | Metallic Clamp Connection 90° | 2 in.      | Die Cast Zinc | Zinc Plated |
| XC297             | <b>93162917</b> | Metallic Clamp Connection 90° | 2 1/2 in.  | Die Cast Zinc | Zinc Plated |

## Liquid Tight Straight Connectors Insulated

Arlington Industries, Inc. / Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / RACO® / Steel City® / Thomas &amp; Betts

Steel Construction



| Size  | Arlington                   | Bridgeport                    | Cooper Crouse-Hinds         | RACO                      | Steel City                 | TNB                          |
|-------|-----------------------------|-------------------------------|-----------------------------|---------------------------|----------------------------|------------------------------|
| 3/8   | LT38A<br><b>(91028857)</b>  | 429-LTI2<br><b>(88031805)</b> | LTB38<br><b>(88073457)</b>  | 3511<br><b>(88218184)</b> | LT700<br><b>(88254190)</b> | 5331<br><b>(88264654)</b>    |
| 1/2   | LT50A<br><b>(91028856)</b>  | 430-LTI2<br><b>(88031809)</b> | LTB50<br><b>(88073463)</b>  | 3512<br><b>(88218185)</b> | LT701<br><b>(88254191)</b> | 5332<br><b>(88264656)</b>    |
| 3/4   | LT75A<br><b>(91028853)</b>  | 431-LTI2<br><b>(88031813)</b> | LTB75<br><b>(88073468)</b>  | 3513<br><b>(88218186)</b> | LT702<br><b>(88254195)</b> | 5333<br><b>(88264658)</b>    |
| 1     | LT100A<br><b>(91028861)</b> | 432-LTI2<br><b>(88031817)</b> | LTB100<br><b>(88073437)</b> | 3514<br><b>(88218187)</b> | LT703<br><b>(88254196)</b> | 5334-TB<br><b>(88264660)</b> |
| 1 1/4 | LT125A<br><b>(91028860)</b> | 433-LTI2<br><b>(88031821)</b> | LTB125<br><b>(88073440)</b> | 3515<br><b>(88218188)</b> | LT704<br><b>(88254197)</b> | 5335<br><b>(88264662)</b>    |
| 1 1/2 | LT150A<br><b>(91028859)</b> | 434-LTI2<br><b>(88031825)</b> | LTB150<br><b>(88073443)</b> | 3516<br><b>(88218189)</b> | LT705<br><b>(88254198)</b> | 5336<br><b>(88264664)</b>    |
| 2     | LT200A<br><b>(91028858)</b> | 435-LTI2<br><b>(88031829)</b> | LTB200<br><b>(88073446)</b> | 3518<br><b>(88218190)</b> | LT706<br><b>(88254199)</b> | 5337<br><b>(88264666)</b>    |
| 2 1/2 | LT250<br><b>(90082734)</b>  | 436-LTI2<br><b>(92056462)</b> | LTB250<br><b>(88073449)</b> | 3520<br><b>(88218191)</b> | -                          | 5338<br><b>(88264668)</b>    |
| 3     | LT300<br><b>(90082735)</b>  | 437-LTI2<br><b>(92056463)</b> | LTB300<br><b>(88073452)</b> | 3522<br><b>(88218192)</b> | -                          | 5339<br><b>(88264670)</b>    |
| 3 1/2 | LT350<br><b>(90082736)</b>  | 438-LTI2<br><b>(92056464)</b> | LTB350<br><b>(88073455)</b> | 3524<br><b>(88218193)</b> | -                          | -                            |
| 4     | LT400<br><b>(90082738)</b>  | 439-LTI2<br><b>(92056465)</b> | LTB400<br><b>(88073460)</b> | 3526<br><b>(88218194)</b> | -                          | 5340<br><b>(88264672)</b>    |

## Boxes & Fittings

### Conduit Connectors, Liquidtight - Straight • Conduit Connectors, Liquidtight - Elbow

#### Liquid Tight Straight Connectors

Arlington Industries, Inc. / Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / RACO® / Steel City® / Thomas & Betts

Steel Construction



| Size  | Arlington                  | Bridgeport                   | Cooper Crouse-Hinds        | RACO                      | Steel City                 | TNB                          |
|-------|----------------------------|------------------------------|----------------------------|---------------------------|----------------------------|------------------------------|
| 3/8   | LT38<br><b>(90082737)</b>  | 429-LT2<br><b>(88031803)</b> | LT38<br><b>(88073419)</b>  | 3401<br><b>(88218145)</b> | LT100<br><b>(88254161)</b> | 5231<br><b>(88264496)</b>    |
| 1/2   | LT50<br><b>(90082739)</b>  | 430-LT2<br><b>(88031807)</b> | LT50<br><b>(88073425)</b>  | 3402<br><b>(88218146)</b> | LT101<br><b>(88254162)</b> | 5232<br><b>(88264499)</b>    |
| 3/4   | LT75<br><b>(90082740)</b>  | 431-LT2<br><b>(88031811)</b> | LT75<br><b>(88073432)</b>  | 3403<br><b>(88218148)</b> | LT102<br><b>(88254166)</b> | 5233<br><b>(88264503)</b>    |
| 1     | LT100<br><b>(90082730)</b> | 432-LT2<br><b>(88031814)</b> | LT100<br><b>(88073391)</b> | 3404<br><b>(88218150)</b> | LT103<br><b>(88254167)</b> | 5234-TB<br><b>(88264507)</b> |
| 1 1/4 | LT125<br><b>(90082731)</b> | 433-LT2<br><b>(88031819)</b> | LT125<br><b>(88073396)</b> | 3405<br><b>(88218152)</b> | LT104<br><b>(88254168)</b> | 5235<br><b>(88264510)</b>    |
| 1 1/2 | LT150<br><b>(90082732)</b> | 434-LT2<br><b>(88031823)</b> | LT150<br><b>(88073401)</b> | 3406<br><b>(88218154)</b> | LT105<br><b>(88254169)</b> | 5236<br><b>(88264513)</b>    |
| 2     | LT200<br><b>(90082733)</b> | 435-LT2<br><b>(88031827)</b> | LT200<br><b>(88073406)</b> | 3408<br><b>(88218156)</b> | LT106<br><b>(88254170)</b> | 5237<br><b>(88264516)</b>    |
| 2 1/2 | LT250<br><b>(90082734)</b> | 436-LT2<br><b>(89022477)</b> | LT250<br><b>(88073411)</b> | 3410<br><b>(88218158)</b> | -                          | 5238<br><b>(88264519)</b>    |
| 3     | LT300<br><b>(90082735)</b> | 437-LT2<br><b>(89022478)</b> | LT300<br><b>(88073414)</b> | 3412<br><b>(88218159)</b> | -                          | 5239<br><b>(88264522)</b>    |
| 3 1/2 | LT350<br><b>(90082736)</b> | 438-LT2<br><b>(92056471)</b> | LT350<br><b>(88073417)</b> | 3414<br><b>(88218160)</b> | -                          | -                            |
| 4     | LT400<br><b>(90082738)</b> | 439-LT2<br><b>(89022479)</b> | LT400<br><b>(88073422)</b> | 3416<br><b>(88218161)</b> | -                          | 5240<br><b>(88264525)</b>    |

#### Liquid Tight 90° Angle Connectors Insulated

Arlington Industries, Inc. / Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / RACO® / Steel City® / Thomas & Betts

Steel Construction



| Size  | Arlington                     | Bridgeport                    | Cooper Crouse-Hinds           | RACO                      | Steel City                 | TNB                       |
|-------|-------------------------------|-------------------------------|-------------------------------|---------------------------|----------------------------|---------------------------|
| 3/8   | LT9038A<br><b>(91028847)</b>  | 469-LTI2<br><b>(88031877)</b> | LTB3890<br><b>(88073459)</b>  | 3541<br><b>(88218195)</b> | LT990<br><b>(88254209)</b> | 5351<br><b>(88264700)</b> |
| 1/2   | LT9050A<br><b>(91028845)</b>  | 470-LTI2<br><b>(88031881)</b> | LTB5090<br><b>(88073466)</b>  | 3542<br><b>(88218196)</b> | LT991<br><b>(88254210)</b> | 5352<br><b>(88264710)</b> |
| 3/4   | LT9075A<br><b>(91028844)</b>  | 471-LTI2<br><b>(88031885)</b> | LTB7590<br><b>(88073470)</b>  | 3543<br><b>(88218197)</b> | LT992<br><b>(88254212)</b> | 5353<br><b>(88264714)</b> |
| 1     | LT90100A<br><b>(91028849)</b> | 472-LTI2<br><b>(88031889)</b> | LTB10090<br><b>(88073439)</b> | 3544<br><b>(88218198)</b> | LT993<br><b>(88254213)</b> | 5354<br><b>(88264716)</b> |
| 1 1/4 | LT90125A<br><b>(91028850)</b> | 473-LTI2<br><b>(88031893)</b> | LTB12590<br><b>(88073442)</b> | 3545<br><b>(88218199)</b> | -                          | 5355<br><b>(88264718)</b> |
| 1 1/2 | LT90150A<br><b>(91028846)</b> | 474-LTI2<br><b>(88031897)</b> | LTB15090<br><b>(88073445)</b> | 3546<br><b>(88218200)</b> | -                          | 5356<br><b>(88264720)</b> |
| 2     | LT90200A<br><b>(91028848)</b> | 475-LTI2<br><b>(88031901)</b> | LTB20090<br><b>(88073448)</b> | 3548<br><b>(88218201)</b> | -                          | 5357<br><b>(88264722)</b> |
| 2 1/2 | LT90250<br><b>(90082745)</b>  | 476-LTI2<br><b>(92056454)</b> | LTB25090<br><b>(88073451)</b> | 3550<br><b>(88218202)</b> | -                          | 5358<br><b>(88264724)</b> |
| 3     | LT90300<br><b>(90082746)</b>  | 477-LTI2<br><b>(92056455)</b> | LTB30090<br><b>(88073454)</b> | 3552<br><b>(88218203)</b> | -                          | 5359<br><b>(88264726)</b> |
| 3 1/2 | LT90350<br><b>(90082747)</b>  | 478-LTI2<br><b>(92056456)</b> | LTB35090<br><b>(88073456)</b> | -                         | -                          | -                         |
| 4     | LT90400<br><b>(90082749)</b>  | 479-LTI2<br><b>(92056457)</b> | LTB40090<br><b>(88073462)</b> | 3556<br><b>(88218204)</b> | -                          | 5360<br><b>(88264728)</b> |

## Liquid Tight 90° Connectors

Arlington Industries, Inc. / Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / RACO® / Steel City® / Thomas & Betts

Steel Construction



| Size  | Arlington                    | Bridgeport                   | Cooper Crouse-Hinds          | RACO                      | Steel City                 | TNB                       |
|-------|------------------------------|------------------------------|------------------------------|---------------------------|----------------------------|---------------------------|
| 3/8   | LT9038<br><b>(90082748)</b>  | 469-LT2<br><b>(88031875)</b> | LT3890<br><b>(88073421)</b>  | 3421<br><b>(88218162)</b> | LT490<br><b>(88254180)</b> | 5251<br><b>(88264548)</b> |
| 1/2   | LT9050<br><b>(90082750)</b>  | 470-LT2<br><b>(88031879)</b> | LT5090<br><b>(88073428)</b>  | 3422<br><b>(88218163)</b> | LT491<br><b>(88254181)</b> | 5252<br><b>(88264551)</b> |
| 3/4   | LT9075<br><b>(90082751)</b>  | 471-LT2<br><b>(88031883)</b> | LT7590<br><b>(88073434)</b>  | 3423<br><b>(88218165)</b> | LT492<br><b>(88254183)</b> | 5253<br><b>(88264555)</b> |
| 1     | LT90100<br><b>(90082741)</b> | 472-LT2<br><b>(88031887)</b> | LT10090<br><b>(88073393)</b> | 3424<br><b>(88218167)</b> | LT493<br><b>(88254184)</b> | 5254<br><b>(88264559)</b> |
| 1 1/4 | LT90125<br><b>(90082742)</b> | 473-LT2<br><b>(88031891)</b> | LT12590<br><b>(88073398)</b> | 3425<br><b>(88218169)</b> | -                          | 5255<br><b>(88264562)</b> |
| 1 1/2 | LT90150<br><b>(90082743)</b> | 474-LT2<br><b>(88031895)</b> | LT15090<br><b>(88073403)</b> | 3426<br><b>(88218170)</b> | -                          | 5256<br><b>(88264565)</b> |
| 2     | LT90200<br><b>(90082744)</b> | 475-LT2<br><b>(88031899)</b> | LT20090<br><b>(88073408)</b> | 3428<br><b>(88218172)</b> | -                          | 5257<br><b>(88264568)</b> |
| 2 1/2 | LT90250<br><b>(90082745)</b> | 476-LT2<br><b>(89022474)</b> | LT25090<br><b>(88073413)</b> | 3430<br><b>(88218174)</b> | -                          | 5258<br><b>(88264571)</b> |
| 3     | LT90300<br><b>(90082746)</b> | 477-LT2<br><b>(89022475)</b> | LT30090<br><b>(88073416)</b> | 3432<br><b>(88218175)</b> | -                          | 5259<br><b>(88264573)</b> |
| 3 1/2 | LT90350<br><b>(90082747)</b> | 478-LT2<br><b>(92056466)</b> | LT35090<br><b>(88073418)</b> | -                         | -                          | -                         |
| 4     | LT90400<br><b>(90082749)</b> | 479-LT2<br><b>(89022476)</b> | LT40090<br><b>(88073424)</b> | 3436<br><b>(88218176)</b> | -                          | 5260<br><b>(88264575)</b> |

## 90° Non-Metallic Liquid Tight Connectors

Bridgeport Fittings, Inc.

Benefits

- PVC Connectors Suitable for Use with Non-Metallic Type "B" Conduit



| Mfg. No. | Advanced ID     | Degree of Bend | Type        | Trade Size | Material |
|----------|-----------------|----------------|-------------|------------|----------|
| 469-NMLT | <b>96021767</b> | 90°            | Compression | 3/8 in.    | PVC      |
| 470-NMLT | <b>94041085</b> | 90°            | Compression | 1/2 in.    | PVC      |
| 471-NMLT | <b>94041086</b> | 90°            | Compression | 3/4 in.    | PVC      |
| 472-NMLT | <b>96021766</b> | 90°            | Compression | 1 in.      | PVC      |
| 473-NMLT | <b>97117421</b> | 90°            | Compression | 1 1/4 in.  | PVC      |
| 474-NMLT | <b>97117422</b> | 90°            | Compression | 1 1/2 in.  | PVC      |
| 475-NMLT | <b>97117423</b> | 90°            | Compression | 2 in.      | PVC      |



### Liquid Tight 45° Angle Connectors Insulated

Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / RACO® / Steel City® / Thomas & Betts

Steel Construction



| Size  | Bridgeport        | Cooper Crouse-Hinds | RACO              | Steel City        | TNB               |
|-------|-------------------|---------------------|-------------------|-------------------|-------------------|
| 3/8   | 449-SLTI          | LTB3845             | 3561              | LT490             | 5341              |
|       | <b>(97117352)</b> | <b>(88073458)</b>   | <b>(88218205)</b> | <b>(88254180)</b> | <b>(88264674)</b> |
| 1/2   | 450-SLTI          | LTB5045             | 3562              | LT491             | 5342              |
|       | <b>(97117353)</b> | <b>(88073465)</b>   | <b>(88218206)</b> | <b>(88254181)</b> | <b>(88264676)</b> |
| 3/4   | 451-SLTI          | LTB7545             | 3563              | LT492             | 5343              |
|       | <b>(97117354)</b> | <b>(88073469)</b>   | <b>(88218207)</b> | <b>(88254183)</b> | <b>(88264678)</b> |
| 1     | 452-LTI2          | LTB10045            | 3564              | LT493             | 5344              |
|       | <b>(88031853)</b> | <b>(88073438)</b>   | <b>(88218208)</b> | <b>(88254184)</b> | <b>(88264680)</b> |
| 1 1/4 | 453-LTI2          | LTB12545            | 3565              | LT494             | 5345              |
|       | <b>(88031857)</b> | <b>(88073441)</b>   | <b>(88218209)</b> | <b>(88254185)</b> | <b>(88264682)</b> |
| 1 1/2 | 454-LTI2          | LTB15045            | 3566              | LT495             | 5346              |
|       | <b>(88031861)</b> | <b>(88073444)</b>   | <b>(88218210)</b> | <b>(88254186)</b> | <b>(88264684)</b> |
| 2     | 455-LTI2          | LTB20045            | 3568              | LT496             | 5347              |
|       | <b>(88031865)</b> | <b>(88073447)</b>   | <b>(88218211)</b> | <b>(88254187)</b> | <b>(88264686)</b> |
| 2 1/2 | 456-LTI2          | LTB25045            | -                 | -                 | 5348              |
|       | <b>(92056458)</b> | <b>(88073450)</b>   | -                 | -                 | <b>(88264688)</b> |
| 3     | 457-LTI2          | LTB30045            | -                 | -                 | 5349              |
|       | <b>(92056459)</b> | <b>(88073453)</b>   | -                 | -                 | <b>(88264690)</b> |
| 3 1/2 | 458-LTI2          | LTB35045            | -                 | -                 | -                 |
|       | <b>(92056460)</b> | <b>(88306705)</b>   | -                 | -                 | -                 |
| 4     | 459-LTI2          | LTB40045            | -                 | -                 | 5350              |
|       | <b>(92056461)</b> | <b>(88073461)</b>   | -                 | -                 | <b>(88264692)</b> |

## Liquid Tight 45° Connectors

Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / RACO® / Steel City® / Thomas & Betts

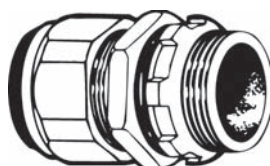
Steel Construction



| Size  | Bridgeport            | Cooper Crouse-Hinds   | RACO               | Steel City          | TNB                |
|-------|-----------------------|-----------------------|--------------------|---------------------|--------------------|
| 3/8   | 449-SLT<br>(97117314) | LT3845<br>(88073420)  | 3441<br>(88218177) | LT450<br>(88254173) | 5241<br>(88264528) |
| 1/2   | 450-SLT<br>(97117315) | LT5045<br>(88073427)  | 3442<br>(88218178) | LT451<br>(88254174) | 5242<br>(88264530) |
| 3/4   | 451-SLT<br>(97117316) | LT7545<br>(88073433)  | 3443<br>(88218179) | LT452<br>(88254175) | 5243<br>(88264532) |
| 1     | 452-LT2<br>(88031851) | LT10045<br>(88073392) | 3444<br>(88218180) | LT453<br>(88254176) | 5244<br>(88264534) |
| 1 1/4 | 453-LT2<br>(88031855) | LT12545<br>(88073397) | 3445<br>(88218181) | LT454<br>(88254177) | 5245<br>(88264536) |
| 1 1/2 | 454-LT2<br>(88031859) | LT15045<br>(88073402) | 3446<br>(88218182) | LT455<br>(88254178) | 5246<br>(88264538) |
| 2     | 455-LT2<br>(88031863) | LT20045<br>(88073407) | 3448<br>(88218183) | LT456<br>(88254179) | 5247<br>(88264540) |
| 2 1/2 | 456-LT2<br>(92056467) | LT25045<br>(88073412) | -                  | -                   | 5248<br>(88264542) |
| 3     | 457-LT2<br>(92056468) | LT30045<br>(88073415) | -                  | -                   | 5249<br>(88264544) |
| 3 1/2 | 458-LT2<br>(92056469) | LT35045<br>(88306696) | -                  | -                   | -                  |
| 4     | 459-LT2<br>(92056470) | LT40045<br>(88073423) | -                  | -                   | 5250<br>(88264546) |

## Metallic Straight Liquidtight Connector

Steel City®



| Mfg. No. | Advanced ID | Description | Trade Size | Material                   |
|----------|-------------|-------------|------------|----------------------------|
| LT100    | 88254161    | Compression | 3/8 in.    | Steel                      |
| LT101    | 88254162    | Compression | 1/2 in.    | Steel                      |
| LT102    | 88254166    | Compression | 3/4 in.    | Steel                      |
| LT103    | 88254167    | Compression | 1 in.      | Steel                      |
| LT104    | 88254168    | Compression | 1 1/4 in.  | Malleable Iron/Zinc Plated |
| LT203    | 89088745    | Compression | 1 in.      | Die Cast Zinc              |
| LT204    | 89088744    | Compression | 1 1/4 in.  | Die Cast Zinc              |
| LT205    | 89088743    | Compression | 1 1/2 in.  | Die Cast Zinc              |
| LT208    | 93162931    | Compression | 3 in.      | Die Cast Zinc              |

# Boxes & Fittings

## Conduit Connectors, Liquidtight - Elbow

### 90° Non-Metallic Liquid Tight Connector

Arlington Industries, Inc.



NMLT9050



NMSC9050

#### Benefits

- Wires Pull Easily Through Conduit
- Smooth, Gradual Radius Bend
- No Sharp Edges to Strip Wire

| Mfg. No.  | Advanced ID              | Degree of Bend | Type  | Trade Size | Material         |
|-----------|--------------------------|----------------|---|------------|------------------|
| NMLT9050  | <a href="#">90061951</a> | 90°            | Non-Metallic Liquidtight Connector          | 1/2 in.    | UV Rated Plastic |
| NMLT9075  | <a href="#">90061952</a> | 90°            | Non-Metallic Liquidtight Connector          | 3/4 in.    | UV Rated Plastic |
| NMLT90100 | <a href="#">90061950</a> | 90°            | Non-Metallic Liquidtight Connector          | 1 in.      | UV Rated Plastic |
| NMLT90125 | <a href="#">92125314</a> | 90°            | Non-Metallic Liquidtight Connector          | 1 1/4 in.  | UV Rated Plastic |
| NMSC9050  | <a href="#">95027828</a> | 90°            | Non-Metallic Liquidtight Screw-On Connector | 1/2 in.    | UV Rated Plastic |

### 90° Liquid Tight Connectors

Bridgeport Fittings, Inc.

#### Benefits

- Zinc Connectors Suitable for Use with Metallic or Non-Metallic Type "B" Liquidtight Conduit



| Mfg. No. | Advanced ID              | Degree of Bend | Type                   | Trade Size | Material  |
|----------|--------------------------|----------------|------------------------|------------|-----------|
| 469-LT2  | <a href="#">88031875</a> | 90°            | Liquid Tight Connector | 3/8 in.    | Cast Zinc |
| 470-LT2  | <a href="#">88031879</a> | 90°            | Liquid Tight Connector | 1/2 in.    | Cast Zinc |
| 471-LT2  | <a href="#">88031883</a> | 90°            | Liquid Tight Connector | 3/4 in.    | Cast Zinc |
| 472-LT2  | <a href="#">88031887</a> | 90°            | Liquid Tight Connector | 1 in.      | Cast Zinc |
| 473-LT2  | <a href="#">88031891</a> | 90°            | Liquid Tight Connector | 1 1/4 in.  | Cast Zinc |
| 474-LT2  | <a href="#">88031895</a> | 90°            | Liquid Tight Connector | 1 1/2 in.  | Cast Zinc |
| 475-LT2  | <a href="#">88031899</a> | 90°            | Liquid Tight Connector | 2 in.      | Cast Zinc |
| 476-LT2  | <a href="#">89022474</a> | 90°            | Liquid Tight Connector | 2 1/2 in.  | Cast Zinc |
| 477-LT2  | <a href="#">89022475</a> | 90°            | Liquid Tight Connector | 3 in.      | Cast Zinc |
| 478-LT2  | <a href="#">92056466</a> | 90°            | Liquid Tight Connector | 3 1/2 in.  | Cast Zinc |
| 479-LT2  | <a href="#">89022476</a> | 90°            | Liquid Tight Connector | 4 in.      | Cast Zinc |

## Straight Liquid Tight Conduit Connectors

Hubbell Wiring Device-Kellems

PolyTuff Non-Metallic Liquidtight connector incorporates a nylon compression nut with a tapered dome to tighten the ferrule into the conduit. Neoprene o-ring provides liquidtight seal at hub or enclosure.



| Mfg. No. | Advanced ID     | Description  | Trade Size  | Material |
|----------|-----------------|--|-------------|----------|
| P050NBKA | <b>88148195</b> | Straight Male, 1/2 in. Liquidtight Non-Metallic Conduit, Black | 1/2 in. NPT | Nylon    |
| P050NGYA | <b>88148196</b> | Straight Male, 1/2 in. Liquidtight Non-Metallic Conduit, Gray  | 1/2 in. NPT | Nylon    |
| P075NBKA | <b>88148199</b> | Straight Male, 3/4 in. Liquidtight Non-Metallic Conduit, Black | 3/4 in. NPT | Nylon    |
| P075NGYA | <b>88148200</b> | Straight Male, 3/4 in. Liquidtight Non-Metallic Conduit, Gray  | 3/4 in. NPT | Nylon    |

## 90° Liquid Tight Conduit Connectors

Hubbell Wiring Device-Kellems

SwivelLok Non-Metallic Liquidtight connector is a unique design of a two-piece nylon body enabling the fitting to twist from 0 to 90°.



| Mfg. No.  | Advanced ID     | Degree of Bend | Type                     | Trade Size  | Material |
|-----------|-----------------|----------------|--------------------------|-------------|----------|
| PS0509NBK | <b>88148193</b> | 0 to 90°       | SwivelLok Multi-Position | 1/2 in. NPT | Nylon    |
| PS0509NGY | <b>88148194</b> | 0 to 90°       | SwivelLok Multi-Position | 1/2 in. NPT | Nylon    |
| PS0759NBK | <b>88148197</b> | 0 to 90°       | SwivelLok Multi-Position | 3/4 in. NPT | Nylon    |
| PS0759NGY | <b>88148198</b> | 0 to 90°       | SwivelLok Multi-Position | 3/4 in. NPT | Nylon    |
| PS1009NGY | <b>88148202</b> | 0 to 90°       | SwivelLok Multi-Position | 1 in. NPT   | Nylon    |

## 45° and 90° Liquidtight Elbows

Thomas & Betts

Benefits

- Clamping Fingers. Outside Surface has Friction Reducing Ridges; Inner Surface Teeth Bite into Conduit or Tubing to Enhance Clamping and Sealing Action
- Fitting Ferrule is Designed to Accept Variations in Conduit Sizes and Field Conduit Cuts
- Ferrule Profile is Smooth, Reducing Friction to Assure a Tight Conduit-to-Fitting Seal
- Friction Reducing Ridges and Teeth Provide a True Double Seal and High Pullout Resistance
- Elongated Gland Nut Provides Additional Strain Relief for 90° Pull and Easy Hand Grip
- Rugged Low-Profile Non-Metallic Body and Gland Construction Provides Space Savings
- Captivated Sealing 'O' Ring Features Predetermined Compression to Provide a Reliable Seal at Enclosure



| Mfg. No.           | Advanced ID     | Degree of Bend | Type                               | Trade Size | Material      |
|--------------------|-----------------|----------------|------------------------------------|------------|---------------|
| <b>NonMetallic</b> |                 |                |                                    |            |               |
| LT450P             | <b>91003439</b> | 45°            | Non-Metallic Liquidtight Connector | 1/2 in.    | Thermoplastic |
| LT475P             | <b>91003440</b> | 45°            | Non-Metallic Liquidtight Connector | 3/4 in.    | Thermoplastic |
| LT950P             | <b>91003084</b> | 90°            | Non-Metallic Liquidtight Connector | 1/2 in.    | Thermoplastic |
| LT975P             | <b>91003087</b> | 90°            | Non-Metallic Liquidtight Connector | 3/4 in.    | Thermoplastic |
| LT4100P            | <b>91026210</b> | 45°            | Non-Metallic Liquidtight Connector | 1 in.      | Thermoplastic |

## Boxes & Fittings

### Conduit Locknuts, Rigid and IMC Conduit • Conduit Locknuts, Rigid and IMC Conduit

#### Locknuts - Steel or Malleable

Arlington Industries, Inc. / Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / RACO® / Steel City® / Thomas & Betts



| Size  | Arlington         | Bridgeport        | Cooper Crouse-Hinds | RACO              | Steel City        | TNB               |
|-------|-------------------|-------------------|---------------------|-------------------|-------------------|-------------------|
| 3/8   | -                 | 100               | 10                  | 1001              | LN100SC           | 140               |
|       | -                 | <b>(88031035)</b> | <b>(88306761)</b>   | <b>(88217403)</b> | <b>(88254148)</b> | <b>(88263331)</b> |
| 1/2   | 401               | 101-S             | 11                  | 1002              | LN101SC           | 141               |
|       | <b>(90095763)</b> | <b>(88031045)</b> | <b>(88306762)</b>   | <b>(88217404)</b> | <b>(88254149)</b> | <b>(88263332)</b> |
| 3/4   | 402               | 102-S             | 12                  | 1003              | LN102             | 142-TB            |
|       | <b>(90095764)</b> | <b>(88031047)</b> | <b>(88306763)</b>   | <b>(88217405)</b> | <b>(88254150)</b> | <b>(88263335)</b> |
| 1     | 403               | 103-S             | 13                  | 1004              | LN103             | 143               |
|       | <b>(90095766)</b> | <b>(88031055)</b> | <b>(88306764)</b>   | <b>(88217406)</b> | <b>(88254151)</b> | <b>(88263338)</b> |
| 1 1/4 | 404               | 104-S             | 14                  | 1005              | LN104             | 144               |
|       | <b>(90095767)</b> | <b>(88031059)</b> | <b>(88306765)</b>   | <b>(88217407)</b> | <b>(88254152)</b> | <b>(88263347)</b> |
| 1 1/2 | 405               | 105-S             | 15                  | 1006              | LN105             | 145               |
|       | <b>(90095769)</b> | <b>(88031061)</b> | <b>(88306766)</b>   | <b>(88217408)</b> | <b>(88254153)</b> | <b>(88263354)</b> |
| 2     | 406               | 106-S             | 16                  | 4-621008          | LN106             | 146-TB            |
|       | <b>(90095737)</b> | <b>(88031063)</b> | <b>(88306754)</b>   | <b>(88217409)</b> | <b>(88254154)</b> | <b>(88263363)</b> |
| 2 1/2 | 407               | 107-S             | 17                  | 1010              | LN107             | 147               |
|       | <b>(90095738)</b> | <b>(88031074)</b> | <b>(88306755)</b>   | <b>(88217410)</b> | <b>(88254155)</b> | <b>(88263372)</b> |
| 3     | 408               | 108-S             | 18                  | 1012              | LN108             | 148               |
|       | <b>(90095739)</b> | <b>(88031085)</b> | <b>(88306756)</b>   | <b>(88217411)</b> | <b>(88254156)</b> | <b>(88263384)</b> |
| 3 1/2 | 409               | 109-S             | 19                  | 1014              | LN109             | 149               |
|       | <b>(90095740)</b> | <b>(88031103)</b> | <b>(88306757)</b>   | <b>(88217412)</b> | <b>(88254157)</b> | <b>(88263391)</b> |
| 4     | 410               | 110-S             | 20                  | 1016              | LN110             | 150               |
|       | <b>(90095741)</b> | <b>(88031113)</b> | <b>(88306758)</b>   | <b>(88217413)</b> | <b>(88254158)</b> | <b>(88263456)</b> |
| 5     | 411               | 111-S             | 22                  | 1020              | LN111             | 152               |
|       | <b>(92125387)</b> | <b>(88031155)</b> | <b>(88306759)</b>   | <b>(88217414)</b> | <b>(88254159)</b> | <b>(88263460)</b> |
| 6     | 412               | 112-S             | 23                  | 1024              | LN112             | 153               |
|       |                   | <b>(88031168)</b> | <b>(88306760)</b>   | <b>(88217415)</b> | <b>(88254160)</b> | <b>(88263462)</b> |

#### Grounding Locknuts - Steel or Malleable

Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / RACO® / Steel City® / Thomas & Betts



| Size  | Bridgeport        | Cooper Crouse-Hinds | RACO              | Steel City        | TNB               |
|-------|-------------------|---------------------|-------------------|-------------------|-------------------|
| 1/2   | 121-S             | GL11                | 1242              | LG401             | 106               |
|       | <b>(99534669)</b> | <b>(91033781)</b>   | <b>(88217506)</b> | <b>(88254138)</b> | <b>(88263100)</b> |
| 3/4   | 122-S             | GL12                | 1243              | LG402             | 107               |
|       | <b>(99534670)</b> | <b>(91033782)</b>   | <b>(88217507)</b> | <b>(88254139)</b> | <b>(88263101)</b> |
| 1     | 123-S             | GL13                | 1244              | LG403             | 108               |
|       | <b>(99534671)</b> | <b>(91033783)</b>   | <b>(88217508)</b> | <b>(88254140)</b> | <b>(88263102)</b> |
| 1 1/4 | 124-S             | GL14                | 1245              | LG404             | 109               |
|       | <b>(99534672)</b> | <b>(91033784)</b>   | <b>(88217509)</b> | <b>(88254141)</b> | <b>(88263103)</b> |
| 1 1/2 | 125-S             | GL15                | 1246              | LG405             | 110-TB            |
|       | <b>(99534673)</b> | <b>(91033785)</b>   | <b>(88217510)</b> | <b>(88254142)</b> | <b>(88263141)</b> |
| 2     | 126-S             | GL16                | 1248              | LG406             | 111               |
|       | <b>(99534674)</b> | <b>(91033786)</b>   | <b>(88217511)</b> | <b>(88254143)</b> | <b>(88263142)</b> |
| 2 1/2 | 127-S             | GL17                | 1250              | LG407             | 112-TB            |
|       | <b>(99526502)</b> | <b>(91033787)</b>   | <b>(88217512)</b> | <b>(88254144)</b> | <b>(88263143)</b> |
| 3     | 128-S             | GL18                | 1252              | LG408             | 113-TB            |
|       | <b>(99526505)</b> | <b>(91033788)</b>   | <b>(88217513)</b> | <b>(88254145)</b> | <b>(88263144)</b> |
| 3 1/2 | 129-S             | GL19                | 1254              | LG409             | 114               |
|       | <b>(99534675)</b> | <b>(91033789)</b>   | <b>(88217514)</b> | <b>(88254146)</b> | <b>(88263145)</b> |
| 4     | 130-S             | GL20                | 1256              | LG410             | 115-TB            |
|       | <b>(99534676)</b> | <b>(91033780)</b>   | <b>(88217515)</b> | <b>(88254147)</b> | <b>(88263146)</b> |





## Metallic Bushings - Steel or Malleable

Bridgeport Fittings, Inc. / RACO® / Steel City® / Thomas & Betts



| Size  | Bridgeport        | RACO               | Steel City          | TNB                  |
|-------|-------------------|--------------------|---------------------|----------------------|
| 1/2   | 201<br>(88031406) | 1102<br>(88217426) | BU401<br>(88253832) | 122<br>(88263192)    |
| 3/4   | 202<br>(88031410) | 1103<br>(88217427) | BU402<br>(88253833) | 123<br>(88263211)    |
| 1     | 203<br>(88031415) | 1104<br>(88217428) | BU403<br>(88253834) | 124<br>(88263219)    |
| 1 1/4 | 204<br>(88031419) | 1105<br>(88217429) | BU404<br>(88253835) | 125-TB<br>(88263225) |
| 1 1/2 | 205<br>(88031423) | 1106<br>(88217430) | BU405<br>(88253836) | 126<br>(88263236)    |
| 2     | 206<br>(88031427) | 1108<br>(88217431) | BU406<br>(88253837) | 127<br>(88263241)    |
| 2 1/2 | 207<br>(88031431) | 1110<br>(88217432) | BU407<br>(88253838) | 128<br>(88263252)    |
| 3     | 208<br>(88031435) | 1112<br>(88217433) | BU408<br>(88253839) | 129<br>(88263272)    |
| 3 1/2 | 209<br>(88031439) | 1114<br>(88217434) | BU409<br>(88253840) | 130-TB<br>(88263275) |
| 4     | 210<br>(88031443) | 1116<br>(88217435) | BU410<br>(88253841) | 131-TB<br>(88263277) |
| 5     | 211<br>(88031447) | 1120<br>-          | BU411<br>(88253842) | 133-TB<br>(88263280) |
| 6     | 212<br>(88031450) | -<br>-             | -<br>-              | 134-TB<br>(88263282) |

## Conduit Insulating Bushings

Arlington Industries, Inc.

### Benefits

- EMT Press on Bushings Protects Cable Against Abrasion
- Meets 2002 NEC Code Requirements; 300-15(c)
- Listed for Use in Environmental Air Handling Spaces
- Press on Fit Holds Firmly in Place



| Mfg. No. | Advanced ID | Description                         |
|----------|-------------|-------------------------------------|
| EMT50    | 95009572    | 1/2 in., Thermoplastic, Press Fit   |
| EMT75    | 95009573    | 3/4 in., Thermoplastic, Press Fit   |
| EMT100   | 96047755    | 1 in., Thermoplastic, Press Fit     |
| EMT125   | 96079046    | 1 1/4 in., Thermoplastic, Press Fit |
| EMT150   | 96079047    | 1 1/2 in., Thermoplastic, Press Fit |
| EMT200   | 96079048    | 2 in., Thermoplastic, Press Fit     |
| EMT250   | 96079049    | 2 1/2 in., Thermoplastic, Press Fit |
| EMT300   | 96079050    | 3 in., Thermoplastic, Press Fit     |
| EMT350   | 96079051    | 3 1/2 in., Thermoplastic, Press Fit |
| EMT400   | 96079052    | 4 in., Thermoplastic, Press Fit     |

### Conduit Accessories - Insulating Bushing

Bridgeport Fittings, Inc.

#### Benefits

- EMT Bushing Insulates Low Voltage Wiring from Sharp Edges

| Mfg. No.                              | Advanced ID | Description                                 |
|---------------------------------------|-------------|---|
| <b>Conduit End Insulating Bushing</b> |             |   |
| TWB-51                                | 97136077    | Insulating Bushing, Polyethylene, 1/2 in.   |
| TWB-52                                | 97253437    | Insulating Bushing, Polyethylene, 3/4 in.   |
| TWB-53                                | 97253438    | Insulating Bushing, Polyethylene, 1 in.     |
| TWB-54                                | 97253439    | Insulating Bushing, Polyethylene, 1 1/4 in. |
| TWB-55                                | 98415335    | Insulating Bushing, Polyethylene, 1 1/2 in. |
| TWB-56                                | 98415336    | Insulating Bushing, Polyethylene, 2 in.     |
| TWB-57                                | 99521359    | Insulating Bushing, Polyethylene, 2 1/2 in. |
| TWB-58                                | 99446734    | Insulating Bushing, Polyethylene, 3 in.     |
| TWB-59                                | 99517642    | Insulating Bushing, Polyethylene, 3 1/2 in. |
| TWB-60                                | 98319187    | Insulating Bushing, Polyethylene, 4 in.     |
| <b>Knockout Insulating Bushing</b>    |             |   |
| 9791                                  | 97103779    | Plastic, 1/2 in.                            |
| 9792                                  | 97103780    | Plastic, 3/4 in.                            |
| 9793                                  | 97106704    | Plastic, 1 in.                              |
| 9794                                  | 97103781    | Plastic, 1 1/4 in.                          |
| 9795                                  | 97106705    | Plastic, 1 1/2 in.                          |
| 9796                                  | 97103782    | Plastic, 2 in.                              |

### Insulated Metallic Bushings - Steel or Malleable

Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / RACO® / Steel City® / Thomas & Betts

#### Applications

- Used with Locknut to Terminate Rigid or IMC to Box
- Plastic Metaliner Prevents Damage to Wire Insulation



| Size  | Bridgeport          | Cooper Crouse-Hinds | RACO                | Steel City          | TNB                 |
|-------|---------------------|---------------------|---------------------|---------------------|---------------------|
| 1/2   | 361<br>(88031690)   | H1031<br>(91020465) | 1132<br>(88217442)  | BI901<br>(88253796) | 1222<br>(88263194)  |
| 3/4   | 362<br>(88031693)   | H1032<br>(91020466) | 1133<br>(88217443)  | BI902<br>(88253797) | 1223<br>(88263196)  |
| 1     | 363<br>(88031696)   | H1033<br>(91020467) | 1134<br>(88217444)  | BI903<br>(88253798) | 1224<br>(88263198)  |
| 1 1/4 | 364<br>(88031699)   | H1034<br>(91020468) | 1135<br>(88217445)  | BI904<br>(88253799) | 1225<br>(88263200)  |
| 1 1/2 | 365<br>(88031702)   | H1035<br>(91020469) | 1136<br>(88217446)  | BI905<br>(88253800) | 1226<br>(88263202)  |
| 2     | 366<br>(88031705)   | H1036<br>(91020470) | 1138<br>(88217447)  | BI906<br>(88253801) | 1227<br>(88263204)  |
| 2 1/2 | 367<br>(88031708)   | H1037<br>(91020471) | 1126<br>(88217438)  | BI907<br>(88253802) | 1228<br>(88263206)  |
| 3     | 368<br>(88031711)   | H1038<br>(91020472) | 1127<br>(88217439)  | BI908<br>(88253803) | 1229<br>(88263208)  |
| 3 1/2 | 369<br>(88031714)   | H1039<br>(91020473) | 1128<br>(88217440)  | BI909<br>(88253804) | 1230<br>(88263212)4 |
| 4     | H1040<br>(88031717) | 1129<br>(91020474)  | BI910<br>(88217441) | 1231<br>(88253805)  | -<br>(88263214)     |
| 5     | 371<br>(88307052)   | 1041<br>(22067876)  | -                   | -                   | 586<br>(88265001)   |
| 6     | 372<br>(88307053)   | H1042<br>(97286218) | -                   | -                   | 587<br>(88265003)   |

## Insulated Grounding Bushing

Arlington Industries, Inc.

#14 to 2/0 AWG aluminum or copper.

### Features

- Die Cast Zinc
- Dual Rated Copper or Aluminum C-Clamp Grounding Lug
- Rigid and IMC Conduit
- Insulated Metallic Grounding Bushing Threaded



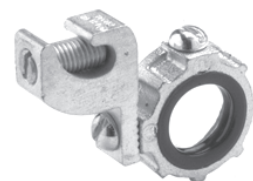
| Mfg. No. | Advanced ID | Trade Size | Grounding Wire Size |
|----------|-------------|------------|---------------------|
| 450      | 90080767    | 1/2 in.    | #14 to #4 AWG       |
| 451      | 90080768    | 3/4 in.    | #14 to #4 AWG       |
| 453      | 90080770    | 1 1/4 in.  | #14 to #4 AWG       |
| 454      | 90080771    | 1 1/2 in.  | #14 to #2 AWG       |
| 456      | 90080773    | 2 1/2 in.  | #14 to 2/0 AWG      |
| 457      | 90080774    | 3 in.      | #14 to 2/0 AWG      |
| 458      | 90080775    | 3 1/2 in.  | #14 to 2/0 AWG      |
| 459      | 90080776    | 4 in.      | #14 to 2/0 AWG      |

## Insulated Grounding Bushing

Bridgeport Fittings, Inc.

### Benefits

- Used with Locknut to Terminate Service Conduit to Cabinet
- Aluminum Alloy Lug Provided for Bonding Jumper to Neutral Busbar



| Mfg. No. * | Advanced ID | Trade Size | Grounding Wire Size |
|------------|-------------|------------|---------------------|
| 381        | 88031722    | 1/2 in.    | #14 to #4           |
| 381-DC     | 88031723    | 1/2 in.    | #14 to #4           |
| 382        | 88031724    | 3/4 in.    | #14 to #4           |
| 382-DC     | 88031725    | 3/4 in.    | #14 to #4           |
| 383        | 88031726    | 1 in.      | #14 to #4           |
| 383-DC     | 88031727    | 1 in.      | #14 to #4           |
| 384        | 88031728    | 1 1/4 in.  | #14 to 1/0          |
| 384-14     | 89000743    | 1 1/4 in.  | #14 to #4           |
| 384-DC     | 88031729    | 1 1/4 in.  | #14 to 1/0          |
| 384-DC14   | 89000744    | 1 1/4 in.  | #14 to #4           |
| 385        | 88031730    | 1 1/2 in.  | #14 to 1/0          |
| 385-14     | 89000742    | 1 1/2 in.  | #14 to #4           |
| 385-DC     | 88031731    | 1 1/2 in.  | #14 to 1/0          |
| 385-DC14   | 89000745    | 1 1/2 in.  | #14 to #4           |
| 386        | 88031732    | 2 in.      | #14 to 1/0          |
| 386-14     | 89000741    | 2 in.      | #14 to #4           |
| 386-DC     | 88031733    | 2 in.      | #14 to 1/0          |
| 386-DC14   | 89000746    | 2 in.      | #14 to #4           |
| 387        | 88031734    | 2 1/2 in.  | #14 to 1/0          |
| 387-40     | 88031735    | 2 1/2 in.  | #6 to #250          |
| 387-DC     | 88031736    | 2 1/2 in.  | #14 to 1/0          |
| 387-DC40   | 88031737    | 2 1/2 in.  | #6 to #250          |
| 388        | 88031738    | 3 in.      | #14 to 1/0          |
| 388-40     | 88031739    | 3 in.      | #6 to #250          |
| 388-DC     | 88031740    | 3 in.      | #14 to 1/0          |
| 388-DC40   | 88031741    | 3 in.      | #6 to #250          |
| 389        | 88031742    | 3 1/2 in.  | #14 to 1/0          |
| 389-40     | 88031743    | 3 1/2 in.  | #6 to #250          |
| 389-DC     | 88031744    | 3 1/2 in.  | #14 to 1/0          |
| 389-DC40   | 88031745    | 3 1/2 in.  | #6 to #250          |
| 390        | 88031746    | 4 in.      | #14 to 1/0          |
| 390-40     | 88031747    | 4 in.      | #6 to #250          |
| 390-DC     | 88031748    | 4 in.      | #14 to 1/0          |
| 390-DC40   | 88031749    | 4 in.      | #6 to #250          |
| 391        | 88031750    | 5 in.      | #6 to #250          |
| 392        | 88031751    | 6 in.      | #6 to #250          |

\*DC indicates die-cast

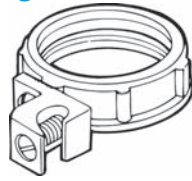
### Insulated Metallic Grounding Bushing

Steel City®

For use with Rigid and IMC Conduit.

#### Benefits

- 105°C Thermoplastic Liners
- Heavy Reinforced Ribs



| Mfg. No.* | Advanced ID | Trade Size | Grounding Wire Size                                      |
|-----------|-------------|------------|--|
| BG202     | 93163857    | 3/4 in.    | #14 AWG to #4 AWG  |
| BG203     | 93163858    | 1 in.      | #14 AWG to #4 AWG  |
| BG204     | 93163859    | 1 1/4 in.  | #8 AWG to 1/0 AWG  |
| BG206     | 93163844    | 2 in.      | #8 AWG to 1/0 AWG  |
| BG207     | 93163846    | 2 1/2 in.  | #8 AWG to 1/0 AWG  |
| BG208     | 93163848    | 3 in.      | #8 AWG to 1/0 AWG  |
| BG210     | 93163852    | 4 in.      | #8 AWG to 1/0 AWG  |
| BG801     | 88253786    | 1/2 in.    | #14 AWG to #4 AWG Copper or #12 AWG to #4 AWG Aluminum   |
| BG802     | 88253787    | 3/4 in.    | #14 AWG to #4 AWG Copper or #12 AWG to #4 AWG Aluminum   |
| BG803     | 88253788    | 1 in.      | #14 AWG to #4 AWG Copper or #12 AWG to #4 AWG Aluminum   |
| BG806     | 88253791    | 2 in.      | #14 AWG to #4 AWG Copper or #12 AWG to #4 AWG Aluminum   |
| BG807     | 88253792    | 2 1/2 in.  | #14 AWG to 1/0 AWG Copper or #12 AWG to 1/0 AWG Aluminum |
| BG808     | 88253793    | 3 in.      | #14 AWG to 1/0 AWG Copper or #12 AWG to 1/0 AWG Aluminum |
| BG809     | 88253794    | 3 1/2 in.  | #6 AWG to 250 MCM Copper or Aluminum                     |

\*200 Series are Die Cast 800 Malleable

### Insulated Metallic Grounding Bushing

Thomas & Betts



#### Benefits

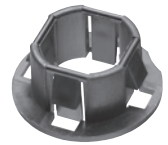
- Quick Installation of Bonding Jumper to Multiple Metal Conduits (Rigid and IMC)
- Designed to Bush Conductors and Prevent Insulation Damage
- Ease of Installation, Lay in Lug Design
- Cast Malleable Iron Body Designed to Lock Insulator in Place within Body, Reducing Common Assembly Problem Resulting in Dislodging of Insulator
- Insulator Rated for 150°C/302°F Application

| Mfg. No. | Advanced ID | Trade Size | Grounding Wire Size |
|----------|-------------|------------|---------------------|
| 3870-TB  | 88264306    | 1/2 in.    | #14 to #4           |
| 3871-TB  | 88264307    | 3/4 in.    | #14 to #4           |
| 3872     | 88264308    | 1 in.      | #14 to #4           |
| 3873     | 88264309    | 1 1/4 in.  | #14 to #4           |
| 3874     | 88264310    | 1 1/2 in.  | #14 to #4           |
| 3875     | 88264311    | 2 in.      | #14 to #4           |
| 3876     | 88264312    | 2 1/2 in.  | #14 to #4           |
| 3877     | 88264313    | 3 in.      | #14 to #4           |
| 3878     | 88264314    | 3 1/2 in.  | #14 to #4           |
| 3879     | 88264315    | 4 in.      | #14 to #4           |

### Snap-In Bushings, Plastic

Arlington Industries, Inc.

Snap-in bushings for KOs.



| Mfg. No. | Advanced ID | Description              |
|----------|-------------|--------------------------|
| 4400     | 92048585    | Snap-In Bushing, 1/2 in. |
| 4401     | 92048586    | Snap-In Bushing, 3/4 in. |

### Non-Metallic Conduit Bushings

Arlington Industries, Inc.



SB30



SB130

#### Benefits

- Fast, Easy Installation
- Completely Surrounds and Protects Cable from Sharp Metal Edges
- Compliance with 2002 NEC Code; 300-4(b)

#### Features

- Designed to Fit any Irregular Holes in Metal Studs, Eliminating the Need to Punch Additional Holes in the Stud

| Mfg. No. | Advanced ID | Description                                       |
|----------|-------------|---|
| SB30     | 94007834    | Plastic Bushing for Metal Stud for 1 in. Hole     |
| SB130    | 93196395    | Plastic Bushing for Metal Stud for 1 3/8 in. Hole |

Advanced is ISO  
9001:2000 Registered,  
ensuring consistent  
quality service.

## Plastic Insulating Bushings

Arlington Industries, Inc. / Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / RACO® / Steel City® / Thomas & Betts



| Size  | Arlington                 | Bridgeport               | Cooper Crouse-Hinds      | RACO                      | Steel City                 | TNB                         |
|-------|---------------------------|--------------------------|--------------------------|---------------------------|----------------------------|-----------------------------|
| 1/2   | 440<br><b>(90095742)</b>  | 321<br><b>(88031672)</b> | 931<br><b>(92041271)</b> | 1402<br><b>(88217595)</b> | BU501<br><b>(88253844)</b> | 222-TB<br><b>(88263693)</b> |
| 3/4   | 441<br><b>(90095743)</b>  | 322<br><b>(88031673)</b> | 932<br><b>(92134048)</b> | 1403<br><b>(88217596)</b> | BU502<br><b>(88253845)</b> | 223-TB<br><b>(88263698)</b> |
| 1     | 442<br><b>(90095744)</b>  | 323<br><b>(88031674)</b> | 933<br><b>(91020475)</b> | 1404<br><b>(88217597)</b> | BU503<br><b>(88253846)</b> | 224<br><b>(88263705)</b>    |
| 1 1/4 | 443<br><b>(90095745)</b>  | 324<br><b>(88031675)</b> | 934<br><b>(91020476)</b> | 1405<br><b>(88217598)</b> | BU504<br><b>(88253847)</b> | 225-TB<br><b>(88263707)</b> |
| 1 1/2 | 444<br><b>(90095746)</b>  | 325<br><b>(88031676)</b> | 935<br><b>(91020477)</b> | 1406<br><b>(88217599)</b> | BU505<br><b>(88253848)</b> | 226<br><b>(88263717)</b>    |
| 2     | 445<br><b>(90095747)</b>  | 326<br><b>(88031677)</b> | 936<br><b>(91020478)</b> | 1408<br><b>(88217600)</b> | BU506<br><b>(88253849)</b> | 227<br><b>(88263721)</b>    |
| 2 1/2 | 446<br><b>(90095748)</b>  | 327<br><b>(88031678)</b> | 937<br><b>(91020479)</b> | 1410<br><b>(88217601)</b> | BU507<br><b>(88253850)</b> | 228-TB<br><b>(88263732)</b> |
| 3     | 447<br><b>(90095749)</b>  | 328<br><b>(88031679)</b> | 938<br><b>(91020480)</b> | 1412<br><b>(88217602)</b> | BU508<br><b>(88253851)</b> | 229-TB<br><b>(88263740)</b> |
| 3 1/2 | 448<br><b>(90095750)</b>  | 329<br><b>(88031680)</b> | 939<br><b>(91020481)</b> | 1414<br><b>(88217603)</b> | BU509<br><b>(88253852)</b> | 230-TB<br><b>(88263741)</b> |
| 4     | 449<br><b>(90095751)</b>  | 330<br><b>(88031681)</b> | 940<br><b>(91020495)</b> | 1416<br><b>(88217604)</b> | BU510<br><b>(88253853)</b> | 231<br><b>(88263751)</b>    |
| 5     | 4491<br><b>(92093637)</b> | 331<br><b>(88031682)</b> | 941<br><b>(91020496)</b> | 1420<br><b>(88217605)</b> | BU511<br><b>(88253854)</b> | 233<br><b>(88263772)</b>    |
| 6     | 4492<br><b>(92125377)</b> | 332<br><b>(88031683)</b> | 942<br><b>(91020497)</b> | 1424<br><b>(88217606)</b> | BU512<br><b>(88253855)</b> | 234<br><b>(88263776)</b>    |

Note: Advanced ID in blue.

## Knockout Bushings

Thomas & Betts

### Benefits

- To Bush Knockout Openings in Metal Boxes or Enclosures
- One Piece Construction Designed to Snap in Place
- High Impact Strength, Self Extinguishing, Non-Dripping (Per UL 94) Thermoplastic Construction



| Mfg. No. | Advanced ID     | Description                    |
|----------|-----------------|--------------------------------|
| 3210     | <b>88264112</b> | KO bushing, KO size: 0.875 in. |
| 3211     | <b>88264113</b> | KO bushing, KO size: 1.109 in. |
| 3212     | <b>88264114</b> | KO bushing, KO size: 1.375 in. |
| 3213     | <b>88264115</b> | KO bushing, KO size: 1.734 in. |
| 3214     | <b>88264116</b> | KO bushing, KO size: 1.984 in. |
| 3215     | <b>88264117</b> | KO bushing, KO size: 2.469 in. |

## Boxes & Fittings

### Conduit Bushings, Anti-Shorting • Conduit Bushings, Reducing

#### Anti-Short Bushing

Arlington Industries, Inc.

##### Features

- Non-Metallic Anti-Short Bushing
- For Use with Flexible, Armor Clad, Metallic Cable



| Mfg. No. | Advanced ID | Description        | Trade Size                       | For Use With                              |
|----------|-------------|--------------------|----------------------------------|---|
| AS1      | 91028963    | Anti-Short Bushing | <sup>5</sup> / <sub>16</sub> in. | #14 to #2, #14 to #3, #12 to #2           |
| AS2      | 91028963    | Anti-Short Bushing | <sup>7</sup> / <sub>16</sub> in. | #12 to #4, #10 to #2, #10 to #3, #2 to #1 |
| AS3      | 91028962    | Anti-Short Bushing | <sup>1</sup> / <sub>2</sub> in.  | #10 to #4, #8 to #2, #8 to #3, #1 to #1   |

#### “Redheads” Anti-Short Bushings

Bridgeport Fittings, Inc.

##### Benefits

- Prevents Damage to Wire Insulation when Placed Between the Wire and Armored Sheath



| Mfg. No. | Advanced ID | Description         | Trade Size | For Use With   |
|----------|-------------|---------------------|------------|--|
| 1000     | 92056472    | Anti-Short Bushings | 0          | #14/2, #14/3, #12/2; <sup>5</sup> / <sub>16</sub> in. flex               |
| 1001     | 92056473    | Anti-Short Bushings | 1          | #14/4, #12/3, #6/1, #4/1; <sup>3</sup> / <sub>8</sub> in. flex           |
| 1002     | 92056474    | Anti-Short Bushings | 2          | #12/4, #10/2, #10/3, #2/1  |
| 1003     | 92056475    | Anti-Short Bushings | 3          | #10/4, #8/2, #8/3, #1/1; <sup>1</sup> / <sub>2</sub> in. flex            |
| 1004     | 92056476    | Anti-Short Bushings | 4          | #8/4, #6/2, #6/3, #4/2, #4/3, #6/4; <sup>3</sup> / <sub>4</sub> in. flex |
| 1005     | 92056477    | Anti-Short Bushings | 5          | 1 in. flex   |
| 1006     | 92056478    | Anti-Short Bushings | 6          | 1 <sup>1</sup> / <sub>4</sub> in. flex                                   |
| 1007     | 92056479    | Anti-Short Bushings | 7          | 1 <sup>1</sup> / <sub>2</sub> in. flex                                   |
| 1008     | 92056480    | Anti-Short Bushings | 8          | 2 and 2 <sup>1</sup> / <sub>2</sub> in. flex                             |

#### Reducing Bushings - Die Cast Zinc

Arlington Industries, Inc.



| Mfg. No. | Advanced ID | Trade Size  | Material      | For Use With          | Connection Type | Approvals  | Type                      |
|----------|-------------|---|---------------|-----------------------|-----------------|------------|---------------------------|
| 522      | 90082656    | <sup>3</sup> / <sub>4</sub> x <sup>1</sup> / <sub>2</sub> in. | Die Cast Zinc | Rigid and IMC Conduit | Threaded        | UL and CSA | Metallic Reducing Bushing |
| 524      | 90082658    | 1 x <sup>3</sup> / <sub>4</sub> in.                           | Die Cast Zinc | Rigid and IMC Conduit | Threaded        | UL and CSA | Metallic Reducing Bushing |

#### Reducing Bushings - Malleable Iron

Bridgeport Fittings, Inc.

Used to reduce the size of internal female threads.



| Mfg. No. | Advanced ID | Trade Size                             | Material       | For Use With          | Connection Type | Approvals | Type                      |
|----------|-------------|--|----------------|-----------------------|-----------------|-----------|---------------------------|
| 1176     | 96021787    | 2 <sup>1</sup> / <sub>2</sub> to 2 in. | Malleable Iron | Rigid and IMC Conduit | Threaded        | UL        | Metallic Reducing Bushing |
| 1179     | 96021788    | 3 to 2 <sup>1</sup> / <sub>2</sub> in. | Malleable Iron | Rigid and IMC Conduit | Threaded        | UL        | Metallic Reducing Bushing |
| 1182     | 96021785    | 3 <sup>1</sup> / <sub>2</sub> to 3 in. | Malleable Iron | Rigid and IMC Conduit | Threaded        | UL        | Metallic Reducing Bushing |
| 1185     | 96021786    | 4 to 3 <sup>1</sup> / <sub>2</sub> in. | Malleable Iron | Rigid and IMC Conduit | Threaded        | UL        | Metallic Reducing Bushing |



## Reducing Bushings

Arlington Industries, Inc. / Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / RACO® / Steel City® / Thomas & Betts

### Features

- Steel Construction
- Used to Reduce the Size of Internal Female Threads



| Size          | Bridgeport         | CRH                  | Raco               | Steel City          | TNB                  |
|---------------|--------------------|----------------------|--------------------|---------------------|----------------------|
| 1/2 - 3/8     | 1160<br>(88031200) | RE1308<br>(88074431) | 1141<br>(88217448) | -<br>-              | 600-TB<br>(88265010) |
| 3/4 - 1/2     | 1161<br>(88031201) | RE21<br>(88074432)   | 1142<br>(88217449) | RB121<br>(88254256) | 601-TB<br>(88265022) |
| 1 - 1/2       | 1162<br>(88031202) | RE31<br>(88074434)   | 1143<br>(88217450) | RB131<br>(88254257) | 602-TB<br>(88265081) |
| 1 - 3/4       | 1163<br>(88031203) | RE32<br>(88074436)   | 1144<br>(88217451) | RB132<br>(88254258) | 603-TB<br>(88265121) |
| 1 1/4 - 1/2   | 1164<br>(88031204) | RE41<br>(88074438)   | 1145<br>(88217452) | RB141<br>(88254259) | 604-TB<br>(88265123) |
| 1 1/4 - 3/4   | 1165<br>(88031205) | RE42<br>(88074440)   | 1146<br>(88217453) | RB142<br>(88254260) | 605-TB<br>(88265125) |
| 1 1/4 - 1     | 1166<br>(88031206) | RE43<br>(88074442)   | 1147<br>(88217454) | RB143<br>(88254261) | 606-TB<br>(88265146) |
| 1 1/2 - 1/2   | 1167<br>(88031207) | RE51<br>(88074444)   | 1148<br>(88217455) | RB151<br>(88254262) | 607<br>(88265148)    |
| 1 1/2 - 3/4   | 1168<br>(88031208) | RE52<br>(88074446)   | 1149<br>(88217456) | RB152<br>(88254263) | 608<br>(88265150)    |
| 1 1/2 - 1     | 1169<br>(88031209) | RE53<br>(88074448)   | 1150<br>(88217457) | RB153<br>(88254264) | 609<br>(88265167)    |
| 1 1/2 - 1 1/4 | 1170<br>(88031210) | RE54<br>(88074450)   | 1151<br>(88217458) | RB154<br>(88254265) | 610<br>(88265185)    |
| 2 - 1/2       | 1171<br>(88031211) | RE61<br>(88074452)   | 1152<br>(88217459) | RB161<br>(89083818) | 611-TB<br>(88265187) |
| 2 - 3/4       | 1172<br>(88031212) | RE62<br>(88074454)   | 1153<br>(88217460) | RB162<br>(91010537) | 612<br>(88265203)    |
| 2 - 1         | 1173<br>(88031213) | RE63<br>(88074456)   | 1154<br>(88217461) | RB163<br>(88254266) | 613<br>(88265205)    |
| 2 - 1 1/4     | 1174<br>(88031214) | RE64<br>(88074458)   | 1155<br>(88217462) | RB164<br>(88254267) | 614-TB<br>(88265207) |
| 2 - 1 1/2     | 1175<br>(88031215) | RE65<br>(88074460)   | 1156<br>(88217463) | RB165<br>(88254268) | 615-TB<br>(88265209) |

### Reducing Washers

Arlington Industries, Inc. / Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / RACO® / Steel City® / Thomas & Betts

#### Features

- Galvanized Steel
- To be used in Pairs to Reduce the Size of Knockout Holes



| Size          | Arlington          | Bridgeport         | Cooper Crouse-Hinds | RACO               | Steel City          | TNB                   |
|---------------|--------------------|--------------------|---------------------|--------------------|---------------------|-----------------------|
| 3/4 - 1/2     | RW1<br>(91028613)  | 1061<br>(88031065) | 342<br>(88169036)   | 1365<br>(88217566) | WA121<br>(88254599) | 3701<br>(88264241)    |
| 1 - 1/2       | RW2<br>(91028601)  | 1062<br>(88031066) | 343<br>(91020498)   | 1366<br>(88217566) | WA131<br>(88254600) | 3703<br>(88264243)    |
| 1 - 3/4       | RW3<br>(91028589)  | 1063<br>(88031067) | 344<br>(91020499)   | 1367<br>(88217568) | WA132<br>(88254601) | 3704<br>(88264244)    |
| 1 1/4 - 1/2   | RW4<br>(91028577)  | 1064<br>(88031068) | 345<br>(91020500)   | 1368<br>(88217569) | WA141<br>(88254602) | 3706<br>(88264246)    |
| 1 1/4 - 3/4   | RW5<br>(91028570)  | 1065<br>(88031069) | 346<br>(91020501)   | 1369<br>(88217570) | WA142<br>(88254603) | 3707<br>(88264247)    |
| 1 1/4 - 1     | RW6<br>(91028568)  | 1066<br>(88031070) | 347<br>(91020502)   | 1370<br>(88217571) | WA143<br>(88254604) | 3708<br>(88264248)    |
| 1 1/2 - 1/2   | RW7<br>(91028566)  | 1067<br>(88031071) | 348<br>(91020503)   | 1371<br>(88217572) | WA151<br>(88254605) | 3710<br>(88264252)    |
| 1 1/2 - 3/4   | RW8<br>(91028564)  | 1068<br>(88031072) | 349<br>(91020504)   | 1372<br>(88217573) | WA152<br>(88254606) | 3711<br>(88264253)    |
| 1 1/2 - 1     | RW9<br>(91028562)  | 1069<br>(88031073) | 350S<br>(94000029)  | 1373<br>(88217574) | WA153<br>(88254607) | 3712<br>(88264254)    |
| 1 1/2 - 1 1/4 | RW10<br>(91028614) | 1070<br>(88031075) | 351<br>(91020509)   | 1374<br>(88217575) | WA154<br>(88254608) | 3713<br>(88264255)    |
| 2 - 1/2       | RW11<br>(91028612) | 1071<br>(88031076) | 352<br>(91020510)   | 1375<br>(88217576) | WA161<br>(88254609) | 3714<br>(88264256)    |
| 2 - 3/4       | RW12<br>(91028611) | 1072<br>(88031077) | 353<br>(91020511)   | 1376<br>(88217577) | WA162<br>(88254610) | 3715-TB<br>(88264257) |
| 2 - 1         | RW13<br>(91028609) | 1073<br>(88031078) | 354<br>(91020512)   | 1377<br>(88217578) | WA163<br>(88254611) | 3716<br>(88264258)    |
| 2 - 1 1/4     | RW14<br>(91028608) | 1074<br>(88031079) | 355<br>(91020513)   | 1378<br>(88217579) | WA164<br>(88254612) | 3717<br>(88264259)    |
| 2 - 1 1/2     | RW15<br>(91028607) | 1075<br>(88031080) | 356<br>(91020514)   | 1379<br>(88217580) | WA165<br>(88254613) | 3718<br>(88264260)    |
| 2 1/2 - 1/2   | RW16<br>(91028606) | 1076<br>(88031081) | 360<br>(92062102)   | -                  | WA171<br>(88254614) | -                     |
| 2 1/2 - 3/4   | RW17<br>(91028605) | 1077<br>(88031082) | 361<br>(92062103)   | -                  | WA172<br>(88254615) | -                     |
| 2 1/2 - 1     | RW18<br>(91028604) | 1078<br>(88031083) | 362<br>(91020515)   | 1380<br>(88217581) | WA173<br>(88254616) | -                     |
| 2 1/2 - 1 1/4 | RW19<br>(91028603) | 1079<br>(88031084) | 363<br>(91020516)   | 1381<br>(88217582) | WA174<br>(88254617) | -                     |
| 2 1/2 - 1 1/2 | RW20<br>(91028602) | 1080<br>(88031086) | 364<br>(91020517)   | 1382<br>(88217583) | WA175<br>(88254618) | -                     |
| 2 1/2 - 2     | RW21<br>(91028600) | 1081<br>(88031087) | 365<br>(91020518)   | 1383<br>(88217584) | WA176<br>(88254619) | -                     |
| 3 - 1/2       | RW22<br>(91028599) | 1082<br>(88031088) | -                   | -                  | WA181<br>(88254620) | -                     |
| 3 - 3/4       | RW23<br>(91028597) | 1083<br>(88031089) | -                   | -                  | WA182<br>(88254621) | -                     |
| 3 - 1         | RW24<br>(91028596) | 1084<br>(88031090) | 366<br>(91020519)   | -                  | WA183<br>(88254622) | -                     |
| 3 - 1 1/4     | RW25<br>(91028595) | 1085<br>(88031091) | 367<br>(91020520)   | 1384<br>(88217585) | WA184<br>(88254623) | -                     |
| 3 - 1 1/2     | RW26<br>(91028594) | 1086<br>(88031092) | 368<br>(91020521)   | 1385<br>(88217586) | WA185<br>(88254624) | -                     |
| 3 - 2         | RW27<br>(91028593) | 1087<br>(88031093) | 369<br>(91020522)   | 1386<br>(88217587) | WA186<br>(88254625) | -                     |

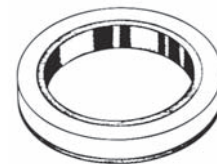
Note:

## Metallic Liquidtight Sealing Gasket

Thomas & Betts

### Benefits

- Design Locks Resilient Sealing Material in Steel
- Steel Retainer Protects Seal from Extruding Out Under Torque and Limits Compression to an Optimum Predetermined Value; Provides High Quality Seal
- Resilient Material Flows and Seals Rough Surfaces



| Mfg. No. | Advanced ID     | Trade Size |
|----------|-----------------|------------|
| 5262     | <b>88264578</b> | 1/2 in.    |
| 5263     | <b>88264579</b> | 3/4 in.    |
| 5264     | <b>88264580</b> | 1 in.      |
| 5265     | <b>88264581</b> | 1 1/4 in.  |
| 5267     | <b>88264583</b> | 2 in.      |

## Pull Elbows

Bridgeport Fittings, Inc.



EMT to Box



EMT to EMT

Used to connect EMT to box or enclosure or connects 2 lengths of EMT to form a 90° bend. Removable cover to facilitate wire pulling.

| Mfg. No. | Advanced ID     | Description | Type                 | Trade Size | Material      | Degree of Bend |
|----------|-----------------|-------------|----------------------|------------|---------------|----------------|
| 51-DC2   | <b>88031932</b> | Pull Elbow  | Set Screw EMT to Box | 1/2 in.    | Zinc Die Cast | 90°            |
| 52-DC2   | <b>88031938</b> | Pull Elbow  | Set Screw EMT to Box | 3/4 in.    | Zinc Die Cast | 90°            |
| 61-DC    | <b>88031995</b> | Pull Elbow  | Set Screw EMT to EMT | 1/2 in.    | Zinc Die Cast | 90°            |
| 62-DC    | <b>88031996</b> | Pull Elbow  | Set Screw EMT to EMT | 3/4 in.    | Zinc Die Cast | 90°            |
| 63-DC    | <b>88031997</b> | Pull Elbow  | Set Screw EMT to EMT | 1 in.      | Zinc Die Cast | 90°            |
| 64-DC    | <b>88032004</b> | Pull Elbow  | Set Screw EMT to EMT | 1 1/4 in.  | Zinc Die Cast | 90°            |

## Pull Elbow

Steel City®

Used to connect 2 lengths of EMT to form a 90° bend.

### Features

- Die Cast Zinc
- Removable Cover to Facilitate Wire Pulling



| Mfg. No. | Advanced ID     | Trade Size | Connection Type |
|----------|-----------------|------------|-----------------|
| TL201    | <b>92125087</b> | 1/2 in.    | Set-Screw       |

## Pull Elbow

Steel City®

Used to connect 2 lengths of rigid or IMC to form a 90° bend.

### Features

- Die Cast Zinc
- Connection Type, Female Threaded Hubs



| Mfg. No. | Advanced ID     | Trade Size |
|----------|-----------------|------------|
| HL601    | <b>88254063</b> | 1/2 in.    |
| HL602    | <b>88254064</b> | 3/4 in.    |

### Threaded Hubs

Bridgeport Fittings, Inc.

#### Benefits

- To Secure Threaded Rigid Service Entrance Conduit to Box or Enclosure

#### Features

- Insulated Throat Rated 105° C BUNA-N Sealing Ring



| Mfg. No. | Advanced ID              | Description  | Material      | Trade Size |
|----------|--------------------------|--------------|---------------|------------|
| 151-DC   | <a href="#">88031329</a> | Threaded hub | Zinc Die Cast | 1/2 in.    |
| 152-DC   | <a href="#">88031330</a> | Threaded hub | Zinc Die Cast | 3/4 in.    |
| 153-DC   | <a href="#">88031349</a> | Threaded hub | Zinc Die Cast | 1 in.      |
| 154-DC   | <a href="#">88031350</a> | Threaded hub | Zinc Die Cast | 1 1/4 in.  |
| 155-DC   | <a href="#">88031351</a> | Threaded hub | Zinc Die Cast | 1 1/2 in.  |
| 156-DC   | <a href="#">88031352</a> | Threaded hub | Zinc Die Cast | 2 in.      |
| 157-DC   | <a href="#">88031353</a> | Threaded hub | Zinc Die Cast | 2 1/2 in.  |
| 158-DC   | <a href="#">88031354</a> | Threaded hub | Zinc Die Cast | 3 in.      |
| 159-DC   | <a href="#">88031355</a> | Threaded hub | Zinc Die Cast | 3 1/2 in.  |
| 160-DC   | <a href="#">88031356</a> | Threaded hub | Zinc Die Cast | 4 in.      |

### Myers Watertight Hubs

Cooper Crouse-Hinds

Provide a watertight connection for electrical conduit through the wall of a sheet metal enclosure.

#### Features

- Listed for Use with NEMA 2, 3, 3R, 4, 4X and 12 Enclosures
- Strong, Oversize Nut Assures Flush Installations and Positive Grounding
- Unique Serrations on Both Nut and Hub Bite into Metal to Provide a Consistent Ground Connection
- Captive O-Ring Seal Assures Water- and Dusttight Installation
- Posi-Lok Insulated Throat is Made of Fire-Retardant Lexan® and Cannot Come Out
- Fits Standard Knockouts - No Special Tools Required



| Mfg. No.                  | Advanced ID              | Description         | Material | Trade Size |
|---------------------------|--------------------------|---------------------|----------|------------|
| <b>Non-Grounding Hubs</b> |                          |                     |          |            |
| ST-1                      | <a href="#">88185167</a> | Hub Basic Scru-Tite | Zinc     | 1/2 in.    |
| ST-2                      | <a href="#">88185176</a> | Hub Basic Scru-Tite | Zinc     | 3/4 in.    |
| ST-3                      | <a href="#">88185180</a> | Hub Basic Scru-Tite | Zinc     | 1 in.      |
| ST-4                      | <a href="#">88185184</a> | Hub Basic Scru-Tite | Zinc     | 1 1/4 in.  |
| ST-5                      | <a href="#">88185188</a> | Hub Basic Scru-Tite | Zinc     | 1 1/2 in.  |
| ST-6                      | <a href="#">88185191</a> | Hub Basic Scru-Tite | Zinc     | 2 in.      |
| ST-7                      | <a href="#">88185195</a> | Hub Basic Scru-Tite | Zinc     | 2 1/2 in.  |
| ST-8                      | <a href="#">88185197</a> | Hub Basic Scru-Tite | Zinc     | 3 in.      |
| ST-9                      | <a href="#">88185199</a> | Hub Basic Scru-Tite | Zinc     | 3 1/2 in.  |
| ST-10                     | <a href="#">88185170</a> | Hub Basic Scru-Tite | Zinc     | 4 in.      |
| <b>Grounding Hubs</b>     |                          |                     |          |            |
| STG-1                     | <a href="#">88185269</a> | Ground Hub          | Zinc     | 1/2 in.    |
| STG-2                     | <a href="#">88185273</a> | Ground Hub          | Zinc     | 3/4 in.    |
| STG-3                     | <a href="#">88185275</a> | Ground Hub          | Zinc     | 1 in.      |
| STG-4                     | <a href="#">88185277</a> | Ground Hub          | Zinc     | 1 1/4 in.  |
| STG-5                     | <a href="#">88185279</a> | Ground Hub          | Zinc     | 1 1/2 in.  |
| STG-6                     | <a href="#">88185280</a> | Ground Hub          | Zinc     | 2 in.      |
| STG-7                     | <a href="#">88185282</a> | Ground Hub          | Zinc     | 2 1/2 in.  |
| STG-8                     | <a href="#">88185283</a> | Ground Hub          | Zinc     | 3 in.      |
| STG-9                     | <a href="#">88185284</a> | Ground Hub          | Zinc     | 3 1/2 in.  |
| STG-10                    | <a href="#">88185270</a> | Ground Hub          | Zinc     | 4 in.      |

## Insulated Rigid / IMC Conduit Hubs

Thomas & Betts

### Benefits

- Sealing Ring and Groove with Innovative Profile Out Performs Standard O-Ring Design
- Locknut Design with Peripheral Slots and a Hexagonal/Angled Spline Spaced Every 30° Enables Easy Application of Torque with Wrench or Hammer and Screwdriver
- Sharper and Deeper Teeth on Locknut and Body Designed for a More Penetrating Bite for Improved Bonding to the Enclosure
- Hexagonal/Splined Body Design for Fast, Easy Installation with Wrench or Hammer and Screwdriver
- Precision Machined Tapered Threads Designed to Create Watertight Union
- Insulated Throat Molded From 105° C Rated Thermoplastic with a Flammability Rating of 94 V-O



| Mfg. No. | Advanced ID              | Description                          | Material      | Trade Size |
|----------|--------------------------|--------------------------------------|---------------|------------|
| H050A    | <a href="#">92138708</a> | Insulated Hub, Rigid and IMC Conduit | Aluminum      | 1/2 in.    |
| H075A    | <a href="#">92138710</a> | Insulated Hub, Rigid and IMC Conduit | Aluminum      | 3/4 in.    |
| H125-TB  | <a href="#">92125719</a> | Insulated Hub, Rigid and IMC Conduit | Die Cast Zinc | 1 1/4 in.  |
| H150-TB  | <a href="#">92125720</a> | Insulated Hub, Rigid and IMC Conduit | Die Cast Zinc | 1 1/2 in.  |
| H200-TB  | <a href="#">92125721</a> | Insulated Hub, Rigid and IMC Conduit | Die Cast Zinc | 2 in.      |
| H250-TB  | <a href="#">92125722</a> | Insulated Hub, Rigid and IMC Conduit | Die Cast Zinc | 2 1/2 in.  |
| H400-TB  | <a href="#">92125725</a> | Insulated Hub, Rigid and IMC Conduit | Die Cast Zinc | 4 in.      |

## Conduit Nipples

Bridgeport Fittings, Inc.



Malleable Iron



Zinc Die Cast

### Benefits

- When Used with a Locknut, Conduit Nipple Serves as a Short Raceway Between Enclosures

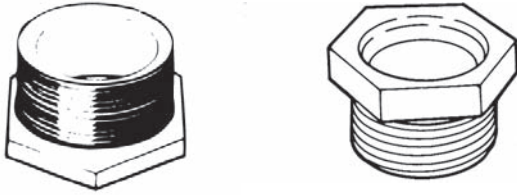
| Mfg. No.              | Advanced ID              | Trade Size | Material       |
|-----------------------|--------------------------|------------|----------------|
| <b>Malleable Iron</b> |                          |            |                |
| 1102                  | <a href="#">88031115</a> | 1/2 in.    | Malleable Iron |
| 1103                  | <a href="#">88031120</a> | 3/4 in.    | Malleable Iron |
| 1104                  | <a href="#">88031125</a> | 1 in.      | Malleable Iron |
| 1105                  | <a href="#">88031130</a> | 1 1/4 in.  | Malleable Iron |
| 1106                  | <a href="#">88031135</a> | 1 1/2 in.  | Malleable Iron |
| 1107                  | <a href="#">88031140</a> | 2 in.      | Malleable Iron |
| 1108                  | <a href="#">88031145</a> | 2 1/2 in.  | Malleable Iron |
| 1109                  | <a href="#">88031150</a> | 3 in.      | Malleable Iron |
| 1110                  | <a href="#">88031156</a> | 3 1/2 in.  | Malleable Iron |
| 1111                  | <a href="#">88031161</a> | 4 in.      | Malleable Iron |
| 1112                  | <a href="#">88031166</a> | 5 in.      | Malleable Iron |
| 1113                  | <a href="#">88031167</a> | 6 in.      | Malleable Iron |
| <b>Zinc Die Cast</b>  |                          |            |                |
| 1102-DC               | <a href="#">88031117</a> | 1/2 in.    | Zinc Die Cast  |
| 1103-DC               | <a href="#">88031122</a> | 3/4 in.    | Zinc Die Cast  |
| 1104-DC               | <a href="#">88031127</a> | 1 in.      | Zinc Die Cast  |
| 1105-DC               | <a href="#">88031132</a> | 1 1/4 in.  | Zinc Die Cast  |
| 1106-DC               | <a href="#">88031137</a> | 1 1/2 in.  | Zinc Die Cast  |
| 1107-DC               | <a href="#">88031142</a> | 2 in.      | Zinc Die Cast  |
| 1108-DC               | <a href="#">88031147</a> | 2 1/2 in.  | Zinc Die Cast  |
| 1109-DC               | <a href="#">88031152</a> | 3 in.      | Zinc Die Cast  |
| 1110-DC               | <a href="#">88031158</a> | 3 1/2 in.  | Zinc Die Cast  |
| 1111-DC               | <a href="#">88031163</a> | 4 in.      | Zinc Die Cast  |

# Boxes & Fittings

## Conduit Nipples - Bushed • Conduit Nipples - Offset

### Bushed Conduit Nipples

Steel City®



| Mfg. No. | Advanced ID              | Trade Size | Material                    |
|----------|--------------------------|------------|-----------------------------|
| HA201    | <a href="#">88253985</a> | 1/2 in.    | Die Cast Zinc               |
| HA205    | <a href="#">88253989</a> | 1 1/2 in.  | Die Cast Zinc               |
| HA206    | <a href="#">88253990</a> | 2 in.      | Die Cast Zinc               |
| HA207    | <a href="#">89088762</a> | 2 1/2 in.  | Die Cast Zinc               |
| HA209    | <a href="#">89088760</a> | 3 1/2 in.  | Die Cast Zinc               |
| HA210    | <a href="#">89088759</a> | 4 in.      | Die Cast Zinc               |
| HA212    | <a href="#">88253992</a> | 3/4 in.    | Die Cast Zinc 1 in. long    |
| HA-401   | <a href="#">88253995</a> | 1/2 in.    | Malleable Iron, Zinc Plated |
| HA-402   | <a href="#">88253996</a> | 3/4 in.    | Malleable Iron, Zinc Plated |
| HA-403   | <a href="#">88253997</a> | 1 in.      | Malleable Iron, Zinc Plated |
| HA406    | <a href="#">88254000</a> | 2 in.      | Malleable Iron, Zinc Plated |
| HA407    | <a href="#">88254001</a> | 2 1/2 in.  | Malleable Iron, Zinc Plated |
| HA410    | <a href="#">88254004</a> | 4 in.      | Malleable Iron, Zinc Plated |
| HA901    | <a href="#">88254007</a> | 1/2 in.    | Insulated Iron/Zinc         |
| HA-902   | <a href="#">88254008</a> | 3/4 in.    | Insulated Iron/Zinc         |

### Conduit Nipples

Thomas & Betts

Benefits

- To Effectively Bush Factory or Field Punched, Cut, Drill Holes, in Metal Boxes or Enclosures
- To Couple Boxes Back to Back



| Mfg. No. | Advanced ID              | Trade Size | Material                 |
|----------|--------------------------|------------|--------------------------|
| 841-TB   | <a href="#">88265397</a> | 3/8 in.    | Malleable Iron           |
| 842-TB   | <a href="#">88265398</a> | 1/2 in.    | Steel                    |
| 843-TB   | <a href="#">88265405</a> | 3/4 in.    | Malleable Iron           |
| 846      | <a href="#">88265411</a> | 1 1/2 in.  | Malleable Iron           |
| 847      | <a href="#">88265413</a> | 2 in.      | Malleable Iron           |
| 1942     | <a href="#">88263597</a> | 1/2 in.    | Insulated Steel          |
| 1943     | <a href="#">88263598</a> | 3/4 in.    | Insulated Malleable Iron |
| 1944     | <a href="#">88263599</a> | 1 in.      | Insulated Malleable Iron |
| 1945     | <a href="#">88263600</a> | 1 1/4 in.  | Insulated Malleable Iron |
| 1946     | <a href="#">88263601</a> | 1 1/2 in.  | Insulated Malleable Iron |
| 1947     | <a href="#">88263602</a> | 2 in.      | Insulated Malleable Iron |
| 1948     | <a href="#">88263603</a> | 2 1/2 in.  | Insulated Malleable Iron |
| 1949     | <a href="#">88263604</a> | 3 in.      | Insulated Malleable Iron |
| 1950     | <a href="#">88263605</a> | 3 1/2 in.  | Insulated Malleable Iron |
| 1951     | <a href="#">88263606</a> | 4 in.      | Insulated Malleable Iron |

### Conduit Nipples - Offset

Arlington Industries, Inc.

Zinc Die Cast



| Mfg. No. | Advanced ID              | Type          | Trade Size | Offset  | Length    | For Use With          |
|----------|--------------------------|---------------|------------|---------|-----------|-----------------------|
| 6A2      | <a href="#">90082664</a> | Offset Nipple | 1/2 in.    | 3/4 in. | 2.460 in. | Rigid and IMC Conduit |
| 6A3      | <a href="#">90082665</a> | Offset Nipple | 3/4 in.    | 3/4 in. | 2.560 in. | Rigid and IMC Conduit |
| 6A4      | <a href="#">90082666</a> | Offset Nipple | 1 in.      | 3/4 in. | 2.535 in. | Rigid and IMC Conduit |



## Rigid and IMC Conduit Bodies

Bridgeport Fittings, Inc.



1025



LB-41CG

### Benefits

- Allows Access to the Interior of a Conduit System for Inspection, Pulling and Maintenance

### Features

- 1025 Thru 1030 Series Mounts Flush Against Structure, Includes Cover
- Aluminum Construction

| Mfg. No. | Advanced ID              | Hub Size  |
|----------|--------------------------|-----------|
| 1025     | <a href="#">88031049</a> | 1/2 in.   |
| 1026     | <a href="#">88031050</a> | 3/4 in.   |
| 1027     | <a href="#">88031051</a> | 1 in.     |
| 1028     | <a href="#">88031052</a> | 1 1/4 in. |
| 1029     | <a href="#">88031054</a> | 1 1/2 in. |
| 1030     | <a href="#">88031057</a> | 2 in.     |
| 1028-XL  | <a href="#">88031053</a> | 1 1/4 in. |
| 1030-XL  | <a href="#">88031058</a> | 2 in.     |
| LB-41CG  | <a href="#">94004166</a> | 1/2 in.   |
| LB-42CG  | <a href="#">94004167</a> | 3/4 in.   |
| LB-43CG  | <a href="#">94004168</a> | 1 in.     |
| LB-44CG  | <a href="#">94004169</a> | 1 1/4 in. |
| LB-45CG  | <a href="#">94004170</a> | 1 1/2 in. |
| LB-46CG  | <a href="#">94004171</a> | 2 in.     |

CG = Cover / Gasket Included

XL = Extra Long

## Conduit Bodies, Metallic Type-LB and T

Red-Dot®

### Benefits

- Threaded Bodies for Heavy Wall Rigid and IMC
- Cubic Capacity UL and CSA Clearly Shown
- Smooth Throats for Easy Wire Pulling
- Ultra-High Pressure Die Cast Copper-Free Aluminum
- UL Listed, CSA Certified



### Features

- Die Cast Aluminum

| Mfg. No.       | Advanced ID              | Hub Size  |
|----------------|--------------------------|-----------|
| <b>Type LB</b> |                          |           |
| ALB-1          | <a href="#">88220124</a> | 1/2 in.   |
| ALB-2          | <a href="#">88220126</a> | 3/4 in.   |
| ALB-3          | <a href="#">88220127</a> | 1 in.     |
| ALB-4          | <a href="#">88220128</a> | 1 1/4 in. |
| ALB-5          | <a href="#">88220129</a> | 1 1/2 in. |
| ALB-6          | <a href="#">88220130</a> | 2 in.     |
| ALB-7          | <a href="#">88220131</a> | 2 1/2 in. |
| ALB-8          | <a href="#">88220132</a> | 3 in.     |
| ALB-10         | <a href="#">88220125</a> | 4 in.     |
| <b>Type T</b>  |                          |           |
| AT-1           | <a href="#">88220171</a> | 1/2 in.   |
| AT-2           | <a href="#">88220173</a> | 3/4 in.   |
| AT-3           | <a href="#">88220174</a> | 1 in.     |

## Conduit Body Cover for A Series

Red-Dot®

### Benefits

- For Threaded and Set Screw Conduit Bodies
- Stamped Aluminum



| Mfg. No. | Advanced ID              | Hub Size           |
|----------|--------------------------|--------------------|
| SCV-1    | <a href="#">88221119</a> | 1/2 in.            |
| SCV-2    | <a href="#">88221120</a> | 3/4 in.            |
| SCV-3    | <a href="#">88221121</a> | 1 in.              |
| SCV-4    | <a href="#">88221122</a> | 1 1/4 to 1 1/2 in. |
| SCV-5    | <a href="#">88221123</a> | 2 in.              |

# Boxes & Fittings

## Conduit Supports, Spacers - Clamp Back • Conduit Supports, Nail Straps

### Clamp Back Spacers

Arlington Industries, Inc. / Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / RACO® / Thomas & Betts

#### Features

- Malleable Iron



| Size  | Arlington          | Bridgeport        | Cooper Crouse-Hinds | RACO               | TNB                |
|-------|--------------------|-------------------|---------------------|--------------------|--------------------|
| 1/2   | CB1<br>(91028875)  | 941<br>(88032289) | CB1<br>(88068972)   | 1342<br>(88217553) | 1350<br>(88263310) |
| 3/4   | CB2<br>(91028876)  | 942<br>(88032291) | CB2<br>(88068976)   | 1343<br>(88217554) | 1350<br>(88263310) |
| 1     | CB3<br>(91028873)  | 943<br>(88032293) | CB3<br>(88068977)   | 1344<br>(88217555) | 1350<br>(88263310) |
| 1 1/4 | CB4<br>(91028874)  | 944<br>(88032295) | CB4<br>(88068979)   | 1345<br>(88217556) | 1351<br>(88263312) |
| 1 1/2 | CB5<br>(91028871)  | 945<br>(88032297) | CB5<br>(88068980)   | 1346<br>(88217557) | 1351<br>(88263312) |
| 2     | CB6<br>(91028872)  | 946<br>(88032299) | CB6<br>(88068981)   | 1348<br>(88217559) | 1351<br>(88263312) |
| 2 1/2 | CB7<br>(91028869)  | 947<br>(88032301) | CB7<br>(88068983)   | 1347<br>(88217558) | 1352<br>(88263314) |
| 3     | CB8<br>(91028870)  | 948<br>(88032303) | CB8<br>(88068984)   | 1349<br>(88217560) | 1352<br>(88263314) |
| 3 1/2 | CB9<br>(91028867)  | 949<br>(88032305) | CB9<br>(88068985)   | 1350<br>(88217561) | 1353<br>(88263316) |
| 4     | CB10<br>(91028868) | 950<br>(88032307) | CB10<br>(88068973)  | 1351<br>(88217562) | 1353<br>(88263316) |
| 5     | -                  | -                 | CB11<br>(88068974)  | -                  | 1354<br>(88263318) |
| 6     | -                  | -                 | CB12<br>(88068975)  | -                  | 1354<br>(88263318) |

### Nail Straps - EMT

Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / RACO® / Steel City®



| Size | Bridgeport           | Cooper Crouse-Hinds | RACO               | Steel City           |
|------|----------------------|---------------------|--------------------|----------------------|
| 1/2  | 920-NS<br>(88032263) | NS1<br>(91020482)   | 2252<br>(88217844) | N101SC<br>(88254220) |
| 3/4  | 921-NS<br>(88032266) | NS2<br>(91020483)   | 2253<br>(88217845) | N102SC<br>(88254221) |
| 1    | 922-NS<br>(88032269) | NS3<br>(95000022)   | 2254<br>(88217846) | N103SC<br>(88254222) |

## Conduit Hangers with Bolt - Steel

Arlington Industries, Inc. / Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / Minerallac Fastening Systems / RACO®



| Size  |       | Arlington          | Bridgeport         | Cooper Crouse-Hinds   | Minerallac           | RACO               |
|-------|-------|--------------------|--------------------|-----------------------|----------------------|--------------------|
| EMT   | Rigid |                    |                    |                       |                      |                    |
| 1/2   | 1/2   | 2000<br>(91029031) | 2100<br>(88031446) | 0B<br>(91007390)      | 0B<br>(88173289)     | 2052<br>(88217760) |
| 3/4   | 3/4   | 2010<br>(91029030) | 2110<br>(88031449) | 1B<br>(89041780)      | 1B<br>(88173294)     | 2053<br>(88217761) |
| 1     | 1     | 2020<br>(91029028) | 2120<br>(88031452) | 2B<br>(91007391)      | 2B<br>(88173400)     | 2054<br>(88217762) |
| 1 1/4 | -     | 2025<br>(91029029) | 2125<br>(88031453) | 2-1/2-B<br>(91022695) | 2 1/2B<br>(88173396) | 2041<br>(88217749) |
| 1 1/2 | 1 1/4 | 2030<br>(91029027) | 2130<br>(88031454) | 3-B<br>(91007392)     | 3B<br>(88173447)     | 2055<br>(88217763) |
| -     | 1 1/2 | 2040<br>(91029026) | 2140<br>(88031455) | 4-B<br>(91007393)     | 4B<br>(88173493)     | 2056<br>(88217764) |
| 2     | 2     | 2050<br>(91029025) | 2150<br>(88031458) | 5-B<br>(91007394)     | 5B<br>(88173511)     | 2058<br>(88217766) |
| 2 1/2 | 2 1/2 | 2060<br>(91029024) | 2160<br>(88031461) | 6-B<br>(91007395)     | 6B<br>(88173517)     | 2057<br>(88217765) |
| 3     | 3     | 2070<br>(91029023) | 2170<br>(88031464) | 7-B<br>(91007396)     | 7B<br>(88173535)     | 2059<br>(88217767) |
| 3 1/2 | 3 1/2 | 2080<br>(91029022) | 2180<br>(88031465) | 8-B<br>(91007397)     | 8B<br>(88173560)     | 2060<br>(88217768) |
| 4     | 4     | 2090<br>(91029021) | 2190<br>(88031466) | 9-B<br>(91007398)     | 9B<br>(88173567)     | 2061<br>(88217769) |

Sizes 2 in. and above includes Nut.

## Conduit Hangers - Stainless Steel

Bridgeport Fittings, Inc.

### Benefits

- To Secure EMT or Rigid Conduit to Threaded Rod, Insulator Support, or Directly to Mounting Surface
- Includes Nut



| Mfg. No. | Advanced ID | Trade Size | Material        | Finish                        | Conduit Size                   |
|----------|-------------|------------|-----------------|-------------------------------|--------------------------------|
| 2100-S   | 97117392    | 0          | Stainless Steel | Ball burnished, mirror-smooth | 3/8 1/2 in. Rigid, 1/2 in. EMT |
| 2110-S   | 97117393    | 1          | Stainless Steel | Ball burnished, mirror-smooth | 3/4 in. Rigid, 3/4 in. EMT     |
| 2120-S   | 97117394    | 2          | Stainless Steel | Ball burnished, mirror-smooth | 1 in. Rigid, 1 in. EMT         |
| 2125-S   | 97117395    | 2 1/2      | Stainless Steel | Ball burnished, mirror-smooth | 1 1/4 in. EMT                  |
| 2130-S   | 97117396    | 3          | Stainless Steel | Ball burnished, mirror-smooth | 1 1/4 in. Rigid, 1 1/2 in. EMT |
| 2140-S   | 97117397    | 4          | Stainless Steel | Ball burnished, mirror-smooth | 1 1/2 in. Rigid                |
| 2150-S   | 97117398    | 5          | Stainless Steel | Ball burnished, mirror-smooth | 2 in. Rigid, 2 in. EMT         |
| 2160-S   | 97117399    | 6          | Stainless Steel | Ball burnished, mirror-smooth | 2 1/2 in. Rigid, 2 1/2 in. EMT |
| 2170-S   | 97117400    | 7          | Stainless Steel | Ball burnished, mirror-smooth | 3 in. Rigid, 3 in. EMT         |
| 2180-S   | 97117401    | 8          | Stainless Steel | Ball burnished, mirror-smooth | 3 1/2 in. Rigid, 3 1/2 in. EMT |
| 2190-S   | 97117402    | 9          | Stainless Steel | Ball burnished, mirror-smooth | 4 in. Rigid, 4 in. EMT         |

### Conduit Hanger with Bolt - Stainless Steel

Steel City®

#### Benefits

- For Hanging Conduit (Rigid or EMT) and Pipe
- The 6H Series Hangers are Fast, Easy and Economical to Use
- May be Fastened Directly to a #500 Beam Clamp Through a Hole in the Base of the Hanger by Means of a 1/4"-20 Stove Bolt or Suspended on 1/4 in. Hanger Rod



#### Features

- 500 lb Load Rating with a Safety Factor of 3

| Mfg. No. | Advanced ID              | Trade Size | Material | Finish              | Conduit Size                    |
|----------|--------------------------|------------|----------|---------------------|---------------------------------|
| 6H0BSS   | <a href="#">92134976</a> | Size 0     | Steel    | 302 Stainless Steel | 3/8" 1/2 in. Rigid, 1/2 in. EMT |
| 6H1BSS   | <a href="#">92134977</a> | Size 1     | Steel    | 302 Stainless Steel | 3/4 in. Rigid, 3/4 in. EMT      |
| 6H2BSS   | <a href="#">92134978</a> | Size 2     | Steel    | 302 Stainless Steel | 1 in. Rigid, 1 in. EMT          |

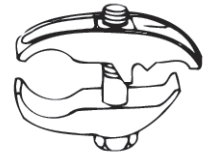
### PC Clamps

Steel City®

Mounting pipe or conduit parallel to the beam.

#### Benefits

- Available in Hot Dipped Galvanized



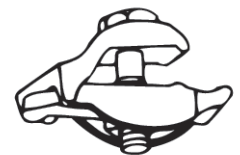
| Mfg. No. | Advanced ID              | Description    | Trade Size |
|----------|--------------------------|----------------|------------|
| PC-1/2   | <a href="#">88254242</a> | Malleable Iron | 1/2 in.    |
| PC-3/4   | <a href="#">88254247</a> | Malleable Iron | 3/4 in.    |
| PC-1     | <a href="#">88254239</a> | Malleable Iron | 1 in.      |

### EC Clamp - Malleable Iron

Steel City®

#### Benefits

- For Mounting Pipe or Conduit Vertically Across the Beam



| Mfg. No.                     | Advanced ID              | Trade Size | O.D. of Conduit or Pipe |
|------------------------------|--------------------------|------------|-------------------------|
| <b>Electro-Plated</b>        |                          |            |                         |
| EC-1/2                       | <a href="#">88253954</a> | 1/2 in.    | 0.840 in.               |
| EC-3/4                       | <a href="#">88253958</a> | 3/4 in.    | 1.050 in.               |
| EC-1                         | <a href="#">88253951</a> | 1 in.      | 1.315 in.               |
| EC-1-1/4                     | <a href="#">88253953</a> | 1 1/4 in.  | 1.660 in.               |
| EC-1-1/2                     | <a href="#">88253952</a> | 1 1/2 in.  | 1.900 in.               |
| EC-2                         | <a href="#">88253955</a> | 2 in.      | 2.375 in.               |
| EC-2-1/2                     | <a href="#">88253956</a> | 2 1/2 in.  | 2.875 in.               |
| EC-3                         | <a href="#">88253957</a> | 3 in.      | 3.500 in.               |
| <b>Hot-Dipped Galvanized</b> |                          |            |                         |
| EC-1/2HDG                    | <a href="#">95007316</a> | 1/2 in.    | 0.840 in.               |
| EC-3/4HDG                    | <a href="#">95007317</a> | 3/4 in.    | 1.050 in.               |
| EC-1HDG                      | <a href="#">95007311</a> | 1 in.      | 1.315 in.               |

## RCS and RC Clamps

Steel City®

### Benefits

- For Mounting Pipe or Conduit at Right Angles to the Beam
- Available in Stainless Steel and Hot Dipped Galvanized



| Mfg. No.              | Advanced ID | Trade Size | O.D. of Conduit or Pipe |
|-----------------------|-------------|------------|-------------------------|
| <b>Malleable Iron</b> |             |            |                         |
| RC-1/2                | 88254279    | 1/2 in.    | 0.840 in.               |
| RC-3/4                | 88254284    | 3/4 in.    | 1.050 in.               |
| RC-1                  | 88254276    | 1 in.      | 1.315 in.               |
| RC-1-1/4              | 88254278    | 1 1/4 in.  | 1.660 in.               |
| RC-1-1/2              | 88254277    | 1 1/2 in.  | 1.900 in.               |
| RC-2SC                | 88254280    | 2 in.      | 2.375 in.               |
| RC-2-1/2              | 88254281    | 2 1/2 in.  | 2.875 in.               |
| RC-3                  | 88254282    | 3 in.      | 3.500 in.               |
| RC-4SC                | 88254286    | 4 in.      | 4.500 in.               |
| <b>Steel</b>          |             |            |                         |
| RCS-3/4               | 88254292    | 3/4 in.    | 1.050 in.               |
| RCS-1                 | 88254287    | 1 in.      | 1.315 in.               |

## EMT 1 Hole Straps - Steel

Arlington Industries, Inc. / Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / Minerallac Fastening Systems / RACO® / Steel City®



| Size  | Arlington         | Bridgeport          | Cooper Crouse-Hinds | Minerallac          | RACO               | Steel City          |
|-------|-------------------|---------------------|---------------------|---------------------|--------------------|---------------------|
| 1/2   | 370<br>(91029172) | 920-S<br>(88032264) | 200<br>(88073649)   | MED30<br>(88173727) | 2082<br>(88217773) | TS101<br>(88254493) |
| 3/4   | 371<br>(91029173) | 921-S<br>(88032267) | 201<br>(88073650)   | MED45<br>(88173732) | 2083<br>(88217774) | TS102<br>(88254494) |
| 1     | 372<br>(91029174) | 922-S<br>(88032270) | 202<br>(88073651)   | MED55<br>(88173737) | 2084<br>(88217775) | TS103<br>(88254495) |
| 1 1/4 | 373<br>(91029175) | 923-S<br>(88032272) | 203<br>(88073652)   | MED65<br>(88173742) | 2085<br>(88217776) | TS104<br>(88254496) |
| 1 1/2 | 374<br>(91029176) | 924-S<br>(88032274) | 204<br>(88073653)   | MED75<br>(88173747) | 2086<br>(88217777) | TS105<br>(88254497) |
| 2     | 375<br>(91029177) | 925-S<br>(88032276) | 205<br>(88073654)   | MED85<br>(88173752) | 2088<br>(88217778) | TS106<br>(88254498) |
| 2 1/2 | 346<br>(91029200) | 907-S<br>(88032250) | 206<br>(88073655)   | H92<br>(88173665)   | 1337<br>(88217548) | HS107<br>(88254084) |
| 3     | 347<br>(91029201) | 908-S<br>(88032253) | 207<br>(88073656)   | H94<br>(88173668)   | 1339<br>(88217550) | HS108<br>(88254085) |
| 3 1/2 | 348<br>(91029202) | 909-S<br>(88032256) | 208<br>(88073657)   | H95<br>(88173671)   | 1340<br>(88217551) | HS109<br>(88254086) |
| 4     | 349<br>(91029203) | 910-S<br>(88032259) | 209<br>(88073658)   | H96<br>(88173674)   | 1341<br>(88217552) | HS110<br>(88254087) |

# Boxes & Fittings

## Conduit Supports, Straps - Pipe and Conduit • Conduit Supports, Straps - Pipe and Conduit

### EMT 2 Hole Straps - Steel

Arlington Industries, Inc. / Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / Minerallac Fastening Systems / RACO® / Steel City®



| Size  | Arlington         | Bridgeport         | Cooper Crouse-Hinds  | Minerallac          | RACO               | Steel City          |
|-------|-------------------|--------------------|----------------------|---------------------|--------------------|---------------------|
| 1/2   | 360<br>(91029178) | 1920<br>(88031395) | 497-1<br>(91022696)  | 230<br>(88173422)   | 2092<br>(88217779) | TS901<br>(92039822) |
| 3/4   | 361<br>(91029179) | 1921<br>(88031396) | 497-2<br>(91022697)  | 245<br>(88173428)   | 2093<br>(88217780) | TS902<br>(92039823) |
| 1     | 362<br>(91029180) | 1922<br>(88031397) | 497-3<br>(91022698)  | 255<br>(88173432)   | 2094<br>(88217781) | TS903<br>(92039824) |
| 1 1/4 | 363<br>(91029181) | 1923<br>(88031398) | 497-4<br>(91022699)  | 265<br>(88173436)   | 2095<br>(88217782) | TS904<br>(92039825) |
| 1 1/2 | 364<br>(91029182) | 1924<br>(88031399) | 497-5<br>(91022700)  | 275<br>(88173438)   | 2096<br>(88217783) | TS905<br>(92039826) |
| 2     | 365<br>(91029183) | 1925<br>(88031400) | 497-6<br>(91022701)  | 285<br>(88173440)   | 2098<br>(88217784) | TS906<br>(92039827) |
| 2 1/2 | 356<br>(91029190) | 1907<br>(88031389) | 496-9<br>(91020548)  | HD292<br>(88173688) | 2239<br>(88217840) | -                   |
| 3     | 357<br>(91029191) | 1908<br>(88031390) | 496-10<br>(88169117) | HD294<br>(88173689) | 2240<br>(88217841) | -                   |
| 3 1/2 | 358<br>(91029192) | 1909<br>(88031391) | 496-11<br>(91020549) | HD295<br>(88173690) | 2241<br>(88217842) | -                   |
| 4     | 359<br>(91029193) | 1910<br>(88031393) | 496-12<br>(91020550) | HD296<br>(88173691) | 2242<br>(88217843) | -                   |

Note:  
Advanced ID in  
blue.

### 1 Hole Malleable Straps – Rigid Conduit

Arlington Industries, Inc. / Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / RACO® / Steel City® / Thomas & Betts



| Size  | Arlington          | Bridgeport        | Cooper Crouse-Hinds | RACO               | Steel City             | TNB                |
|-------|--------------------|-------------------|---------------------|--------------------|------------------------|--------------------|
| 1/2   | 3100<br>(91028994) | 901<br>(88032227) | 510<br>(88073698)   | 1302<br>(88217531) | HS401<br>(88254089)    | 1276<br>(88263243) |
| 3/4   | 3101<br>(91028995) | 902<br>(88032231) | 511<br>(88073699)   | 1303<br>(88217532) | HS402<br>(88254090)    | 1277<br>(88263245) |
| 1     | 3102<br>(91028996) | 903<br>(88032235) | 512<br>(88073700)   | 1304<br>(88217533) | HS403<br>(88254091)    | 1278<br>(88263247) |
| 1 1/4 | 3103<br>(91028997) | 904<br>(88032239) | 513<br>(88073701)   | 1305<br>(88217534) | HS404-SC<br>(88254092) | 1279<br>(88263249) |
| 1 1/2 | 3104<br>(91028998) | 905<br>(88032242) | 514<br>(88073702)   | 1306<br>(88217535) | HS405<br>(88254093)    | 1280<br>(88263253) |
| 2     | 3105<br>(91028999) | 906<br>(88032245) | 515<br>(88073703)   | 1308<br>(88217536) | HS406<br>(88254094)    | 1281<br>(88263255) |
| 2 1/2 | 3106<br>(91029000) | 907<br>(88032248) | 516<br>(88073704)   | 1310<br>(88217537) | HS407<br>(88254095)    | 1282<br>(88263257) |
| 3     | 3107<br>(91029001) | 908<br>(88032251) | 517<br>(88073705)   | 1312<br>(88217538) | HS408<br>(88254095)    | 1283<br>(88263259) |
| 3 1/2 | 3108<br>(91029002) | 909<br>(88032254) | 518<br>(88073706)   | 1314<br>(88217539) | HS409<br>(88254097)    | 1284<br>(88263261) |
| 4     | 3109<br>(91029003) | 910<br>(88032257) | 519<br>(88073707)   | 1316<br>(88217540) | HS410<br>(88254098)    | 1285<br>(88263263) |
| 5     | -                  | 912<br>(88032260) | 520<br>(94073144)   | -                  | HS411<br>(88254099)    | 1287<br>(88263267) |
| 6     | -                  | 913<br>(88032261) | 521<br>(88073709)   | -                  | -                      | 1288<br>(88263269) |



## 1 Hole Steel Straps – Rigid Conduit

Arlington Industries, Inc. / Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / Minerallac Fastening Systems / RACO® / Steel City® / Thomas & Betts



| Size  | Arlington         | Bridgeport          | Cooper Crouse-Hinds | Minerallac          | RACO               | Steel City          | TNB                   |
|-------|-------------------|---------------------|---------------------|---------------------|--------------------|---------------------|-----------------------|
| 1/2   | 340<br>(91029194) | 901-S<br>(88032230) | 410<br>(88073661)   | MED40<br>(88173730) | 1332<br>(88217543) | HS101<br>(88254078) | 1211-TB<br>(88263183) |
| 3/4   | 341<br>(91029195) | 902-S<br>(88032234) | 411<br>(88073662)   | MED50<br>(88173735) | 1333<br>(88217544) | HS102<br>(88254079) | 1212-TB<br>(88263184) |
| 1     | 342<br>(91029196) | 903-S<br>(88032238) | 412<br>(88073663)   | MED60<br>(88173740) | 1334<br>(88217545) | HS103<br>(88254080) | 1213-TB<br>(88263185) |
| 1 1/4 | 343<br>(91029197) | 904-S<br>(88032241) | 413<br>(88073664)   | MED70<br>(88173745) | 1335<br>(88217546) | HS104<br>(88254081) | 1214-TB<br>(88263186) |
| 1 1/2 | 344<br>(91029198) | 905-S<br>(88032244) | 414<br>(88073665)   | MED80<br>(88173750) | 1336<br>(88217547) | HS105<br>(88254082) | 1215-TB<br>(88263187) |
| 2     | 345<br>(91029199) | 906-S<br>(88032247) | 415<br>(88073666)   | MED90<br>(88173755) | 1338<br>(88217549) | HS106<br>(88254083) | 1216-TB<br>(88263188) |
| 2 1/2 | 346<br>(91029200) | 907-S<br>(88032250) | 206<br>(88073655)   | H92<br>(88173665)   | 1337<br>(88217548) | HS107<br>(88254084) | -                     |
| 3     | 347<br>(91029201) | 908-S<br>(88032253) | 207<br>(88073656)   | H94<br>(88173668)   | 1339<br>(88217550) | HS108<br>(88254085) | -                     |
| 3 1/2 | 348<br>(91029202) | 909-S<br>(88032256) | 208<br>(88073657)   | H95<br>(88173671)   | 1340<br>(88217551) | HS109<br>(88254086) | -                     |
| 4     | 349<br>(91029203) | 910-S<br>(88032259) | 209<br>(88073658)   | H96<br>(88173674)   | 1341<br>(88217552) | HS110<br>(88254087) | -                     |

## 2 Hole Steel Straps – Rigid Conduit

Arlington Industries, Inc. / Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / Minerallac Fastening Systems / RACO® / Steel City®



| Size  | Arlington         | Bridgeport         | Cooper Crouse-Hinds  | Minerallac          | RACO               | Steel City          |
|-------|-------------------|--------------------|----------------------|---------------------|--------------------|---------------------|
| 1/2   | 350<br>(91029184) | 1901<br>(88031383) | 496-3<br>(91020542)  | HD240<br>(88173424) | 2232<br>(88217834) | HS901<br>(88254100) |
| 3/4   | 351<br>(91029185) | 1902<br>(88031384) | 496-4<br>(91020543)  | HD250<br>(88173430) | 2233<br>(88217835) | HS902<br>(88254101) |
| 1     | 352<br>(91029186) | 1903<br>(88031385) | 496-5<br>(91020544)  | HD260<br>(88173434) | 2234<br>(88217836) | HS903<br>(88254102) |
| 1 1/4 | 353<br>(91029187) | 1904<br>(88031386) | 496-6<br>(91020545)  | HD270<br>(88173437) | 2235<br>(88217837) | HS904<br>(88254103) |
| 1 1/2 | 354<br>(91029188) | 1905<br>(88031387) | 496-7<br>(91020546)  | HD280<br>(88173439) | 2236<br>(88217838) | HS905<br>(88254104) |
| 2     | 355<br>(91029189) | 1906<br>(88031388) | 496-8<br>(91020547)  | HD290<br>(88173441) | 2238<br>(88217839) | HS906<br>(88254105) |
| 2 1/2 | 356<br>(91029190) | 1907<br>(88031389) | 496-9<br>(91020548)  | HD292<br>(88173442) | 2239<br>(88217840) | HS907<br>(88254106) |
| 3     | 357<br>(91029191) | 1908<br>(88031390) | 496-10<br>(88169117) | HD294<br>(88173443) | 2240<br>(88217841) | HS908<br>(88254107) |
| 3 1/2 | 358<br>(91029192) | 1909<br>(88031391) | 496-11<br>(91020549) | HD295<br>(88173690) | 2241<br>(88217842) | HS909<br>(88254108) |
| 4     | 359<br>(91029193) | 1910<br>(88031393) | 496-12<br>(91020550) | HD296<br>(88173691) | 2242<br>(88217843) | HS910<br>(88254109) |

### Entrance Heads - Clamp Type

Arlington Industries, Inc. / Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / RACO® / Steel City®

Service entrance cap for EMT and Rigid Conduit. Clamp Type. Aluminum construction.



| Size  | Arlington         | Bridgeport         | Cooper Crouse-Hinds | RACO               | Steel City          |
|-------|-------------------|--------------------|---------------------|--------------------|---------------------|
| 1/2   | 140<br>(90095753) | 1251<br>(88031243) | EH1<br>(88169458)   | 2402<br>(88217904) | SH101<br>(88254293) |
| 3/4   | 141<br>(90095754) | 1252<br>(88031244) | EH2<br>(88169460)   | 2403<br>(88217905) | SH102<br>(88254294) |
| 1     | 142<br>(90095755) | 1253<br>(88031245) | EH3<br>(88169461)   | 2404<br>(88217906) | SH103<br>(88254295) |
| 1 1/4 | 143<br>(90095756) | 1254<br>(88031247) | EH4<br>(88169462)   | 2405<br>(88217907) | SH104<br>(88254296) |
| 1 1/2 | 144<br>(90095757) | 1255<br>(88031249) | EH5<br>(88169463)   | 2406<br>(88217908) | SH105<br>(88254297) |
| 2     | 145<br>(90095758) | 1256<br>(88031251) | EH6<br>(88169464)   | 2408<br>(88217909) | SH106<br>(88254298) |
| 2 1/2 | 146<br>(90095759) | 1257<br>(88031254) | EH7<br>(88169465)   | 2410<br>(88217910) | SH107<br>(88254299) |
| 3     | 147<br>(90095760) | 1258<br>(88031257) | EH8<br>(88169466)   | 2412<br>(88217911) | SH108<br>(88254300) |
| 3 1/2 | 148<br>(90095761) | 1259<br>(88031260) | EH9<br>(88169467)   | 2414<br>(88217912) | SH109<br>(88254301) |
| 4     | 149<br>(90095762) | 1260<br>(88031263) | EH10<br>(88169459)  | 2416<br>(88217913) | SH110<br>(88254302) |

### Conduit Accessories - Roof Flashings

Bridgeport Fittings, Inc.

#### Features

- Galvanized-for Use with Galvanized, Plastic, or Cast Iron Electrical Service Mast. Fits Flats to 40°.
- Neoprene-for Use with Copper, Cast Iron, Galvanized, or Plastic Pipe. Fits Up to 45° Angle, Not Recommended for Hot-Mopped or Built-Up Roofs.



Galvanized

| Mfg. No. | Advanced ID | Description   |
|----------|-------------|---|
| RF-125   | 97117387    | Galvanized base w/neoprene collar, 1 1/4 in. mast opening |
| RF-150   | 97117388    | Galvanized base w/neoprene collar, 1 1/2 in. mast opening |
| RF-200   | 97117389    | Galvanized base w/neoprene collar, 2 in. mast opening     |
| RF-250   | 97117390    | Galvanized base w/neoprene collar, 2 1/2 in. mast opening |
| RFN-125  | 97117382    | Neoprene, 1 1/4 and 1 1/2 in. mast opening                |
| RFN-200  | 97117383    | Neoprene, 2 in. mast opening                              |
| RFN-250  | 97117384    | Neoprene, 2 1/2 in. mast opening                          |
| RFN-300  | 97117385    | Neoprene, 3 in. mast opening                              |
| RFN-400  | 97117386    | Neoprene, 4 in. mast opening                              |

## PVC Entrance Heads - Clamp On

Bridgeport Fittings, Inc.

### Benefits

- Removable EMT Adapter Sleeve and No-Turn Square Nut Allow for Fast Installation



### Features

- Suitable for Mounting on PVC, Rigid, IMC or EMT

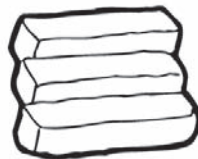
| Mfg. No. | Advanced ID     | Description       | Size      |
|----------|-----------------|-------------------|-----------|
| 1251-PVC | <b>92126015</b> | PVC Entrance Head | 1/2 in.   |
| 1252-PVC | <b>92126016</b> | PVC Entrance Head | 3/4 in.   |
| 1253-PVC | <b>92126017</b> | PVC Entrance Head | 1 in.     |
| 1254-PVC | <b>92126018</b> | PVC Entrance Head | 1 1/4 in. |
| 1255-PVC | <b>92126019</b> | PVC Entrance Head | 1 1/2 in. |
| 1256-PVC | <b>92126020</b> | PVC Entrance Head | 2 in.     |

## Duct Seal

Blackburn®

### Benefits

- Seals Around Junction Boxes, Flashings, Service Mast Entries, Service Cable Entries and Countless Other Applications
- Easy to Use, Forms Around Irregular Surfaces and Configurations
- Highly Resistant to Cracking, Drying and Shrinking
- Cuts and Trims Easily
- Can be Painted Immediately After Application
- Gray Color
- No Unpleasant Odor
- +20 to 212°F Workable Temperature Range
- -40 to 250°F Service Temperature Range
- Contains No Asbestos



| Mfg. No. | Advanced ID     | Description |
|----------|-----------------|-------------|
| DX-1     | <b>88034056</b> | 1 lb. Slug  |

## Duct Seal

Bridgeport Fittings, Inc.

### Benefits

- Used to Seal Around Boxes, Flashings, and Service Entries. For Both Indoor and Outdoor Use.



| Mfg. No. | Advanced ID     | Description |
|----------|-----------------|-------------|
| DS-100   | <b>92126053</b> | 1 lb. Slug  |
| DS-500   | <b>92126054</b> | 5 lb. Slug  |

## Knockout Plugs

Thomas & Betts

One piece construction designed to snap in place.

### Benefits

- High Impact Strength
- Self-Extinguishing
- Non-Dripping (Per UL-94) Thermoplastic Construction



| Mfg. No. | Advanced ID     | Trade Size |
|----------|-----------------|------------|
| 1451     | <b>88263355</b> | 1/2 in.    |
| 1452     | <b>88263356</b> | 3/4 in.    |
| 1453     | <b>88263357</b> | 1 in.      |

## Knockout Seals - Steel

Arlington Industries, Inc. / Bridgeport Fittings, Inc. / Cooper Crouse-Hinds / RACO® / Steel City®



| Size  | Arlington                | Bridgeport                | Cooper Crouse-Hinds      | RACO                      | Steel City                 |
|-------|--------------------------|---------------------------|--------------------------|---------------------------|----------------------------|
| 1/2   | 900<br><b>(90082701)</b> | 1691<br><b>(88031376)</b> | 335<br><b>(91020505)</b> | 1042<br><b>(88217420)</b> | BL111<br><b>(88253810)</b> |
| 3/4   | 901<br><b>(90082702)</b> | 1692<br><b>(88031377)</b> | 336<br><b>(91020506)</b> | 1043<br><b>(88217421)</b> | BL112<br><b>(88253811)</b> |
| 1     | 902<br><b>(90082703)</b> | 1693<br><b>(88031378)</b> | 337<br><b>(91027997)</b> | 1044<br><b>(88217422)</b> | BL113<br><b>(88253812)</b> |
| 1 1/4 | 903<br><b>(90082704)</b> | 1694<br><b>(88031379)</b> | 338<br><b>(91020507)</b> | 1045<br><b>(88217423)</b> | BL114<br><b>(88253813)</b> |
| 1 1/2 | 904<br><b>(90082705)</b> | 1695<br><b>(88031380)</b> | 339<br><b>(91020508)</b> | 1046<br><b>(88217424)</b> | BL115<br><b>(88253814)</b> |
| 2     | 905<br><b>(90082706)</b> | 1696<br><b>(88031381)</b> | 340<br><b>(88169035)</b> | 1048<br><b>(88217425)</b> | BL116<br><b>(88253815)</b> |

### 90° Non-Metallic Cord Connectors

Hubbell Wiring Device-Kellems



NHC1043CR

| Mfg. No.  | Advanced ID              | Type                | Material    | Hub Size    | Degree of Bend | Cord Diameter Range   |
|-----------|--------------------------|---------------------|-------------|-------------|----------------|-----------------------|
| NHC1021CR | <a href="#">88148133</a> | Male Cord Connector | Black Nylon | 1/2 in. NPT | 90°            | .19-.25 (.47-.63)     |
| NHC1022CR | <a href="#">88148136</a> | Male Cord Connector | Black Nylon | 1/2 in. NPT | 90°            | .25-.38 (.63-.97)     |
| NHC1023   | <a href="#">88148138</a> | Male Cord Connector | Aluminum    | 1/2 in. NPT | 90°            | .38-.50in. (.97-1.27) |
| NHC1041   | <a href="#">88148162</a> | Male Cord Connector | Aluminum    | 1/2 in. NPT | 90°            | .63-.75 (1.59-1.90)   |
| NHC1043CR | <a href="#">88148169</a> | Male Cord Connector | Gray Nylon  | 1/2 in. NPT | 90°            | .88-1.00 (2.22-2.54)  |

### Flexible Cord Connectors

Cooper Crouse-Hinds Co.

Used with portable cords and Types MV (unarmored), PLTS, SE (round), TC and UF cables.

#### Features

- Liquidtight
- Includes Gland Nut and Tapered Neoprene Bushing
- UL Listed and CSA Certified



CGB114

| Mfg. No.                         | Advanced ID              | Type        | Material           | Hub Size      | Degree of Bend | Cord Diameter Range |
|----------------------------------|--------------------------|-------------|--------------------|---------------|----------------|---------------------|
| <b>Straight Body Male Thread</b> |                          |             |                    |               |                |                     |
| CGB114                           | <a href="#">88069080</a> | Compression | Steel              | 1/2 in. NPT   | -              | .125-.250 Cord      |
| CGB116                           | <a href="#">88069082</a> | Compression | Steel              | 1/2 in. NPT   | -              | .250-.375 Cord      |
| CGB117                           | <a href="#">88069084</a> | Compression | Steel              | 1/2 in. NPT   | -              | .375-.437 Cord      |
| CGB192                           | <a href="#">88069090</a> | Compression | Steel              | 1/2 in. NPT   | -              | .130-.250 Cord      |
| CGB193                           | <a href="#">88069093</a> | Compression | Steel              | 1/2 in. NPT   | -              | .250-.380 Cord      |
| CGB194                           | <a href="#">88069096</a> | Compression | Steel              | 1/2 in. NPT   | -              | .380-.500 Cord      |
| CGB195                           | <a href="#">88069099</a> | Compression | Steel              | 1/2 in. NPT   | -              | .500-.630 Cord      |
| CGB196                           | <a href="#">88069102</a> | Compression | Steel              | 1/2 in. NPT   | -              | .625-.750 Cord      |
| CGB292                           | <a href="#">88069124</a> | Compression | Steel              | 3/4 in. NPT   | -              | .125-.250 Cord      |
| CGB293                           | <a href="#">88069126</a> | Compression | Steel              | 3/4 in. NPT   | -              | .250-.375 Cord      |
| CGB294                           | <a href="#">88069128</a> | Compression | Steel              | 3/4 in. NPT   | -              | .375-.500 Cord      |
| CGB295                           | <a href="#">88069130</a> | Compression | Steel              | 3/4 in. NPT   | -              | .500-.625 Cord      |
| CGB296                           | <a href="#">88069132</a> | Compression | Steel              | 3/4 in. NPT   | -              | .625-.750 Cord      |
| CGB297                           | <a href="#">88069135</a> | Compression | Steel              | 3/4 in. NPT   | -              | .625-.750 Cord      |
| CGB298                           | <a href="#">88069138</a> | Compression | Steel              | 3/4 in. NPT   | -              | .875-1.00 Cord      |
| CGB395                           | <a href="#">88069165</a> | Compression | Steel              | 1 in. NPT     | -              | .500-.625 Cord      |
| CGB396                           | <a href="#">88069168</a> | Compression | Steel              | 1 in. NPT     | -              | .625-.750 Cord      |
| CGB397                           | <a href="#">88069171</a> | Compression | Steel              | 1 in. NPT     | -              | .750-.880 Cord      |
| CGB398                           | <a href="#">88069175</a> | Compression | Steel              | 1 in. NPT     | -              | .875-1.00 Cord      |
| CGB399                           | <a href="#">88069178</a> | Compression | Steel              | 1 in. NPT     | -              | 1.00-1.188 Cord     |
| CGB498                           | <a href="#">88069193</a> | Compression | Steel              | 1 1/4 in. NPT | -              | .875-1.00 Cord      |
| CGB499                           | <a href="#">88069195</a> | Compression | Steel              | 1 1/4 in. NPT | -              | 1.00-1.188 Cord     |
| CGB599                           | <a href="#">88069209</a> | Compression | Steel              | 1 1/2 in. NPT | -              | 1.00-1.188 Cord     |
| CGB4911                          | <a href="#">88069187</a> | Compression | Steel              | 1 1/4 in. NPT | -              | .188-1.375 Cord     |
| CGB5911                          | <a href="#">88069203</a> | Compression | Steel              | 1 1/2 in. NPT | -              | .188-1.375 Cord     |
| CGB5913                          | <a href="#">88069204</a> | Compression | Feraloy Iron Alloy | 1 1/2 in. NPT | -              | .375-1.625 Cord     |
| CGB6913                          | <a href="#">88069215</a> | Compression | Feraloy Iron Alloy | 2 in. NPT     | -              | .375-1.625 Cord     |
| CGB6915                          | <a href="#">88069217</a> | Compression | Feraloy Iron Alloy | 2 in. NPT     | -              | .625-1.875 Cord     |
| CGB6917                          | <a href="#">88069219</a> | Compression | Feraloy Iron Alloy | 2 in. NPT     | -              | .875-2.188 Cord     |

## Straight Cord Connectors

Hubbell Wiring Device-Kellems



SEC50BA



SEC50GA



SHC1015



SHC1021CR

| Mfg. No.           | Advanced ID              | Type              | Hub Size              | Material    | Cord Diameter Range |
|--------------------|--------------------------|-------------------|-----------------------|-------------|---------------------|
| <b>Low Profile</b> |                          |                   |                       |             |                     |
| SEC38GA            | <a href="#">22075703</a> | Compression Style | $\frac{3}{8}$ in. NPT | Gray Nylon  | .18-.31 in.         |
| SEC50BA            | <a href="#">22075712</a> | Compression Style | $\frac{1}{2}$ in. NPT | Black Nylon | .17-.45 in.         |
| SEC50GA            | <a href="#">22074676</a> | Compression Style | $\frac{1}{2}$ in. NPT | Gray Nylon  | .17-.45 in.         |
| SEC75BA            | <a href="#">22106325</a> | Compression Style | $\frac{3}{4}$ in. NPT | Black Nylon | .45-.71 in.         |
| SEC75GA            | <a href="#">22075516</a> | Compression Style | $\frac{3}{4}$ in. NPT | Gray Nylon  | .45-.71 in.         |
| <b>Full Size</b>   |                          |                   |                       |             |                     |
| SHC1015            | <a href="#">88148261</a> | Compression Style | $\frac{1}{2}$ in. NPT | Aluminum    | .19-.25 in.         |
| SHC1016            | <a href="#">88148264</a> | Compression Style | $\frac{1}{2}$ in. NPT | Aluminum    | .25-.31 in.         |
| SHC1017            | <a href="#">88148267</a> | Compression Style | $\frac{1}{2}$ in. NPT | Aluminum    | .31-.38in.          |
| SHC1020            | <a href="#">88148277</a> | Compression Style | $\frac{1}{2}$ in. NPT | Aluminum    | .13-.19in.          |
| SHC1021            | <a href="#">88148281</a> | Compression Style | $\frac{1}{2}$ in. NPT | Aluminum    | .19-.25 in.         |
| SHC1021CR          | <a href="#">88148282</a> | Compression Style | $\frac{1}{2}$ in. NPT | Gray Nylon  | .19-.25 in.         |
| SHC1022            | <a href="#">88148285</a> | Compression Style | $\frac{1}{2}$ in. NPT | Aluminum    | .25-.38in.          |
| SHC1022CR          | <a href="#">88148286</a> | Compression Style | $\frac{1}{2}$ in. NPT | Gray Nylon  | .25-.38in.          |
| SHC1023            | <a href="#">88148289</a> | Compression Style | $\frac{1}{2}$ in. NPT | Aluminum    | .38-.50in.          |
| SHC1023CR          | <a href="#">88148290</a> | Compression Style | $\frac{1}{2}$ in. NPT | Gray Nylon  | .38-.50in.          |
| SHC1024CR          | <a href="#">88148294</a> | Compression Style | $\frac{1}{2}$ in. NPT | Gray Nylon  | .50-.62in.          |
| SHC1032            | <a href="#">88148311</a> | Compression Style | $\frac{3}{4}$ in. NPT | Aluminum    | .25 -.38in.         |
| SHC1033            | <a href="#">88148313</a> | Compression Style | $\frac{3}{4}$ in. NPT | Aluminum    | .38-.50in.          |
| SHC1034            | <a href="#">88148315</a> | Compression Style | $\frac{3}{4}$ in. NPT | Aluminum    | .50-.63in.          |
| SHC1035CR          | <a href="#">88148318</a> | Compression Style | $\frac{3}{4}$ in. NPT | Gray Nylon  | .38-.50in.          |
| SHC1036            | <a href="#">88148321</a> | Compression Style | $\frac{3}{4}$ in. NPT | Aluminum    | .50-.63in.          |
| SHC1036CR          | <a href="#">88148322</a> | Compression Style | $\frac{3}{4}$ in. NPT | Gray Nylon  | .50-.63in.          |
| SHC1037            | <a href="#">88148325</a> | Compression Style | $\frac{3}{4}$ in. NPT | Aluminum    | .63-.75 in.         |
| SHC1037CR          | <a href="#">88148326</a> | Compression Style | $\frac{3}{4}$ in. NPT | Gray Nylon  | .63-.75 in.         |
| SHC1042            | <a href="#">88148345</a> | Compression Style | 1 in. NPT             | Aluminum    | .75 -.88in.         |
| SHC1042CR          | <a href="#">88148346</a> | Compression Style | 1 in. NPT             | Gray Nylon  | .75 -.88in.         |
| SHC1043            | <a href="#">88148349</a> | Compression Style | 1 in. NPT             | Aluminum    | .88-1.00in.         |

### Terminator™ Cable Connectors

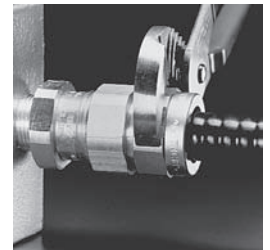
Cooper Crouse-Hinds Co.

#### Features

- Compatible with Type MC and TC Tray Cable
- Terminates Cables at Junction Boxes, Control Centers, Panelboards and Enclosures
- UL Listed and CSA Certified
- Aluminum Construction
- Neoprene Bushing for a Watertight Seal



TMC165



TMCX165

| Mfg. No.   | Advanced ID              | Connection Type | Connection Capacity | Trade Size | Material             | Finish  |
|--|--------------------------|-----------------|---------------------|------------|----------------------|---------|
| <b>Type TMC - For Nonhazardous Wet Locations</b>               |                          |                 |                     |            |                      |         |
| TMC165   | <a href="#">89040192</a> | Compression     | .440 - .650         | 1/2 in.    | Copper-Free Aluminum | Natural |
| TMC285   | <a href="#">89040193</a> | Compression     | .600 - .850         | 3/4 in.    | Copper-Free Aluminum | Natural |
| TMC3112  | <a href="#">89062584</a> | Compression     | .800 - 1.120        | 1 in.      | Copper-Free Aluminum | Natural |
| TMC4140  | <a href="#">89062585</a> | Compression     | 1.100 - 1.400       | 1 1/4 in.  | Copper-Free Aluminum | Natural |
| TMC5161  | <a href="#">89062586</a> | Compression     | 1.330 - 1.610       | 1 1/2 in.  | Copper-Free Aluminum | Natural |
| TMC6206  | <a href="#">89062587</a> | Compression     | 1.570 - 2.060       | 2 in.      | Copper-Free Aluminum | Natural |
| TMC7247  | <a href="#">89062576</a> | Compression     | 1.930 - 2.470       | 2 1/2 in.  | Copper-Free Aluminum | Natural |
| TMC8302  | <a href="#">89062577</a> | Compression     | 2.450 - 3.020       | 3 in.      | Copper-Free Aluminum | Natural |
| TMC9352  | <a href="#">89062578</a> | Compression     | 2.950 - 3.520       | 3 1/2 in.  | Copper-Free Aluminum | Natural |
| TMC10402   | <a href="#">89062579</a> | Compression     | 3.500 - 4.020       | 4 in.      | Copper-Free Aluminum | Natural |
| <b>Type TMCX - Explosion-proof for Hazardous Wet Locations</b> |                          |                 |                     |            |                      |         |
| TMCX165  | <a href="#">89062580</a> | Compression     | .440 - .650         | 1/2 in.    | Copper-Free Aluminum | Natural |
| TMCX285  | <a href="#">89062581</a> | Compression     | .600 - .850         | 3/4 in.    | Copper-Free Aluminum | Natural |
| TMCX3112   | <a href="#">89062582</a> | Compression     | .800 - 1.120        | 1 in.      | Copper-Free Aluminum | Natural |
| TMCX4140   | <a href="#">89062583</a> | Compression     | 1.100 - 1.400       | 1 1/4 in.  | Copper-Free Aluminum | Natural |
| TMCX5161   | <a href="#">89062570</a> | Compression     | 1.330 - 1.610       | 1 1/2 in.  | Copper-Free Aluminum | Natural |
| TMCX6206   | <a href="#">89062571</a> | Compression     | 1.570 - 2.060       | 2 in.      | Copper-Free Aluminum | Natural |
| TMCX7247   | <a href="#">89062572</a> | Compression     | 1.930 - 2.470       | 2 1/2 in.  | Copper-Free Aluminum | Natural |
| TMCX8302   | <a href="#">89062573</a> | Compression     | 2.450 - 3.020       | 3 in.      | Copper-Free Aluminum | Natural |
| TMCX9352   | <a href="#">89062574</a> | Compression     | 2.950 - 3.520       | 3 1/2 in.  | Copper-Free Aluminum | Natural |

### Non-Metallic and Metallic Liquidtight Straight Cord Grip

Thomas & Betts

#### Benefits

- Provide Means for Passing a Cord Cable (Armored or Unarmored) into an Enclosure, Through a Bulkhead or into a Rigid Conduit
- Form a Mechanical Grip and Water and/or Oil-Resistant Seal for Cord and Unarmored or Jacketed Armored Round Cables
- Form a Non-Slip Connection or Termination for Flexible Cord, Cable (Armored or Unarmored)
- Provide Grounding Continuity of Cable Armor
- Extended Range with Superior Strain Relief
- Reduced Overall Size, Fits into Tighter Spaces
- Gland Nut Designed to Restrict Cable Bending



| Mfg. No. | Advanced ID              | Description   |
|----------|--------------------------|---|
| 2672     | <a href="#">88263899</a> | 1/2 in., Cable 0.250 to 0.400 in., Nylon              |
| 2673     | <a href="#">88263901</a> | 1/2 in., Cable 0.400 to 0.560 in., Nylon              |
| 2674     | <a href="#">88263903</a> | 3/4 in., Cable 0.560 to 0.690 in., Nylon              |
| 2690     | <a href="#">88263921</a> | 1/2 in., Cable 0.125 to 0.275 in., Nylon              |
| 2694     | <a href="#">88263925</a> | 3/4 in., Cable 0.400 to 0.560 in., Nylon              |
| 2920     | <a href="#">88287311</a> | 1/2 in., Cable 0.125 to 0.375 in., Steel, Zinc Plated |
| 2920NM   | <a href="#">88263954</a> | 1/2 in., Cable 0.125 to 0.375 in., Nylon              |
| 2921     | <a href="#">88287312</a> | 1/2 in., Cable 0.310 to 0.560 in., Steel, Zinc Plated |
| 2921NM   | <a href="#">88263956</a> | 1/2 in., Cable 0.310 to 0.560 in., Nylon              |



## Low Profile Strain Relief Cord Connector

Arlington Industries, Inc.

### Benefits

- Liquid and Oil-Tight
- Superior Pullout Resistance
- Low Profile

### Features

- Unique Grommet with Gripping Fingers  
Contributes to Liquidtight Seal
- Furnished with Sealing Ring and Locknut



| Mfg. No. | Advanced ID              | Type        | Hub Size | Material | Cord Diameter Range |
|----------|--------------------------|-------------|----------|----------|---------------------|
| LPCG50   | <a href="#">93147958</a> | Liquidtight | 1/2"     | Nylon    | 0.200 - 0.472 in.   |
| LPCG503  | <a href="#">96006673</a> | Liquidtight | 1/2"     | Nylon    | 0.100 - 0.300 in.   |
| LPCG507  | <a href="#">96006674</a> | Liquidtight | 1/2"     | Nylon    | 0.385 - 0.750 in.   |
| LPCG757  | <a href="#">96006677</a> | Liquidtight | 3/4"     | Nylon    | 0.385 - 0.750 in.   |

## Deluxe Cord Grips and Strain Relief Grips

Hubbell Wiring Device-Kellems



Dusttight Strain Relief Grip



Deluxe Cord Grip

Strain on wiring terminals, a leading cause of circuit failure, can be prevented by installing Kellems Deluxe Cord Grips or Dusttight Strain Relief Grips.

| Mfg. No.                            | Advanced ID              | Material   | Hub Size      | Cable Diameter              |
|-------------------------------------|--------------------------|--|---------------|-----------------------------|
| <b>Dusttight Strain Relief Grip</b> |                          |  |               |                             |
| <b>Non-Insulated</b>                |                          |  |               |                             |
| 073031202                           | <a href="#">88147566</a> | Aluminum Grip, Galvanized Steel Mesh                                 | 1/2 in. NPT   | .43-.54 (1.09-1.37) in.     |
| 073031203                           | <a href="#">88147567</a> | Aluminum Grip, Galvanized Steel Mesh                                 | 3/4 in. NPT   | .54-.73 (1.37-1.85) in.     |
| 073031204                           | <a href="#">88147568</a> | Aluminum Grip, Galvanized Steel Mesh                                 | 1 in. NPT     | .73-.97 (1.85-2.46) in.     |
| 073031205                           | <a href="#">88147569</a> | Aluminum Grip, Galvanized Steel Mesh                                 | 1 1/4 in. NPT | .97-1.25 (2.46-3.17) in.    |
| <b>Insulated</b>                    |                          |  |               |                             |
| 073031208                           | <a href="#">88147572</a> | Aluminum Grip, Galvanized Steel Mesh                                 | 1/2 in. NPT   | .43-.54 (1.09-1.37) in.     |
| 073031209                           | <a href="#">88147573</a> | Aluminum Grip, Galvanized Steel Mesh                                 | 3/4 in. NPT   | .54-.73 (1.37-1.85) in.     |
| 073031212                           | <a href="#">88147576</a> | Aluminum Grip, Galvanized Steel Mesh                                 | 1 1/2 in. NPT | 1.25-1.50 (3.17-3.81) in.   |
| <b>Deluxe Cord Grip</b>             |                          |  |               |                             |
| 07401006                            | <a href="#">88147604</a> | Aluminum Liquidtight Adapter, Neoprene Bushing, Stainless Steel Mesh | 1/2 in. NPT   | .250-.375 (.63-.95) in.     |
| 07401008                            | <a href="#">88147605</a> | Aluminum Liquidtight Adapter, Neoprene Bushing, Stainless Steel Mesh | 1/2 in. NPT   | .375-.500 (.95-1.27) in.    |
| 07401010                            | <a href="#">88147606</a> | Aluminum Liquidtight Adapter, Neoprene Bushing, Stainless Steel Mesh | 1/2 in. NPT   | .500-.625 (1.27-1.59) in.   |
| 07401015                            | <a href="#">88147609</a> | Aluminum Liquidtight Adapter, Neoprene Bushing, Stainless Steel Mesh | 3/4 in. NPT   | .375-.500 (.95-1.27) in.    |
| 07401017                            | <a href="#">88147610</a> | Aluminum Liquidtight Adapter, Neoprene Bushing, Stainless Steel Mesh | 3/4 in. NPT   | .500-.625 (1.27-1.59) in.   |
| 07401018                            | <a href="#">88147611</a> | Aluminum Liquidtight Adapter, Neoprene Bushing, Stainless Steel Mesh | 3/4 in. NPT   | .625-.750 (1.59-1.90) in.   |
| 07401021                            | <a href="#">88147613</a> | Aluminum Liquidtight Adapter, Neoprene Bushing, Stainless Steel Mesh | 1 in. NPT     | .625-.750 (1.59-1.90) in.   |
| 07401023                            | <a href="#">88147614</a> | Aluminum Liquidtight Adapter, Neoprene Bushing, Stainless Steel Mesh | 1 in. NPT     | .750-.875 (1.90-2.22) in.   |
| 07401025                            | <a href="#">88147615</a> | Aluminum Liquidtight Adapter, Neoprene Bushing, Stainless Steel Mesh | 1 in. NPT     | .875-1.00 (2.22-2.54) in.   |
| 07401027                            | <a href="#">88147617</a> | Aluminum Liquidtight Adapter, Neoprene Bushing, Stainless Steel Mesh | 1 1/4 in. NPT | 1.00-1.125 (2.54-2.86) in.  |
| 07401028                            | <a href="#">88147618</a> | Aluminum Liquidtight Adapter, Neoprene Bushing, Stainless Steel Mesh | 1 1/4 in. NPT | 1.12 -1.250 (2.86-3.17) in. |
| 074011247                           | <a href="#">88147701</a> | Aluminum Liquidtight Adapter, Neoprene Bushing, Stainless Steel Mesh | 1/2 in. NPT   | .625-.750 (1.59-1.90) in.   |
| 074011249                           | <a href="#">88147703</a> | Aluminum Liquidtight Adapter, Neoprene Bushing, Stainless Steel Mesh | 3/4 in. NPT   | .750-.875 (1.90-2.22) in.   |
| 074011250                           | <a href="#">88147704</a> | Aluminum Liquidtight Adapter, Neoprene Bushing, Stainless Steel Mesh | 1 in. NPT     | 1.00-1.125 (2.54-2.86) in.  |

### Cable Support Grips

Hubbell Wiring Device-Kellems

These positive action mesh grips are designed for light to heavy duty. Closed grips fit over the cable end, split grips wrap around the cable mid-span. The standard material is non-magnetic, tin-coated bronze.

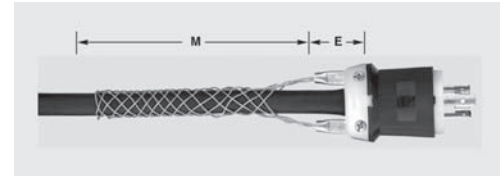


| Mfg. No. | Advanced ID     | Description  | Type                                |
|----------|-----------------|--|-------------------------------------|
| 02201013 | <b>88146938</b> | Support Grip, .50-.62 in. (1.27-1.57) Cable Range                | Single Eye, Closed Mesh             |
| 02201014 | <b>88146939</b> | Support Grip, .63-.74 in. (1.60-1.88) Cable Range                | Single Eye, Closed Mesh             |
| 02201015 | <b>88146940</b> | Support Grip, .75-.99 in. (1.90-2.51) Cable Range                | Single Eye, Closed Mesh             |
| 02201017 | <b>88146941</b> | Support Grip, 1.00-1.24 in. (2.54-3.15) Cable Range              | Single Eye, Closed Mesh             |
| 02201018 | <b>88146942</b> | Support Grip, 1.25-1.49 in. (3.17-3.78) Cable Range              | Single Eye, Closed Mesh             |
| 02201019 | <b>88146943</b> | Support Grip, 1.50-1.74 in. (3.81-4.42) Cable Range              | Single Eye, Closed Mesh             |
| 02203015 | <b>88147028</b> | Support Grip, Rod Closing, .75-.99 in. (1.90-2.51) Cable Range   | Single Eye, Split Mesh, Rod Closing |
| 02203017 | <b>88147029</b> | Support Grip, Rod Closing, 1.00-1.24 in. (2.54-3.15) Cable Range | Single Eye, Split Mesh, Rod Closing |
| 02203018 | <b>88147030</b> | Support Grip, Rod Closing, 1.25-1.49 in. (3.17-3.78) Cable Range | Single Eye, Split Mesh, Rod Closing |

### Cable Support Grips

Hubbell Wiring Device-Kellems

I-Grips provide arc-of-bend control for 2, 3, 4 and 5 wire plugs and connector bodies.



| Mfg. No. | Advanced ID     | Mesh Length      | Eye Length      | Cable Diameter          |
|----------|-----------------|------------------|-----------------|-------------------------|
| 07310002 | <b>88147595</b> | 4.75 in. (12.06) | 1.25 in. (3.17) | .43-.56 in. (1.09-1.42) |
| 07310003 | <b>88147596</b> | 6 in. (15.24)    | 1.25 in. (3.17) | .56-.73 in. (1.42-1.85) |
| 07310004 | <b>88147597</b> | 6.5 in. (16.51)  | 1.25 in. (3.17) | .73-.85 in. (1.85-2.16) |

## Liquidtight Strain Relief Connectors - Elbow

Thomas & Betts



| Mfg. No. | Advanced ID              | Type                      | Material       | Hub Size  | Degree of Bend | Cord Diameter Range |
|----------|--------------------------|---------------------------|----------------|-----------|----------------|---------------------|
| 2201     | <a href="#">88263675</a> | Strain Relief Liquidtight | Malleable Iron | 1/2 in.   | 45°            | 0.250-0.375 in.     |
| 2202     | <a href="#">88263676</a> | Strain Relief Liquidtight | Malleable Iron | 1/2 in.   | 45°            | 0.375-0.500 in.     |
| 2203     | <a href="#">88263677</a> | Strain Relief Liquidtight | Malleable Iron | 1/2 in.   | 45°            | 0.450-0.560 in.     |
| 2204     | <a href="#">88263678</a> | Strain Relief Liquidtight | Malleable Iron | 1/2 in.   | 45°            | 0.500-0.625 in.     |
| 2205     | <a href="#">88263679</a> | Strain Relief Liquidtight | Malleable Iron | 1/2 in.   | 45°            | 0.625-0.750 in.     |
| 2209     | <a href="#">88263683</a> | Strain Relief Liquidtight | Malleable Iron | 3/4 in.   | 45°            | 0.500-0.625 in.     |
| 2210     | <a href="#">88263684</a> | Strain Relief Liquidtight | Malleable Iron | 3/4 in.   | 45°            | 0.625-0.750 in.     |
| 2213     | <a href="#">88263686</a> | Strain Relief Liquidtight | Malleable Iron | 1 in.     | 45°            | 0.375-0.500 in.     |
| 2214     | <a href="#">88263687</a> | Strain Relief Liquidtight | Malleable Iron | 1 in.     | 45°            | 0.500-0.625 in.     |
| 2221     | <a href="#">88263695</a> | Strain Relief Liquidtight | Malleable Iron | 1 1/4 in. | 45°            | 1.065-1.205 in.     |
| 2250     | <a href="#">88263708</a> | Strain Relief Liquidtight | Malleable Iron | 1/2 in.   | 90°            | 0.500-0.625 in.     |
| 2251     | <a href="#">88263709</a> | Strain Relief Liquidtight | Malleable Iron | 1/2 in.   | 90°            | 0.625-0.750 in.     |
| 2257     | <a href="#">88263715</a> | Strain Relief Liquidtight | Malleable Iron | 1 in.     | 90°            | 0.880-1.065 in.     |
| 2267     | <a href="#">88263718</a> | Strain Relief Liquidtight | Malleable Iron | 1/2 in.   | 90°            | 0.125-0.250 in.     |
| 2269     | <a href="#">88263720</a> | Strain Relief Liquidtight | Malleable Iron | 1/2 in.   | 90°            | 0.375-0.500 in.     |
| 2270     | <a href="#">88263722</a> | Strain Relief Liquidtight | Malleable Iron | 1/2 in.   | 90°            | 0.450-0.560 in.     |
| 2271     | <a href="#">88263723</a> | Strain Relief Liquidtight | Malleable Iron | 3/4 in.   | 90°            | 0.250-0.375 in.     |
| 2272     | <a href="#">88263724</a> | Strain Relief Liquidtight | Malleable Iron | 3/4 in.   | 90°            | 0.375-0.500 in.     |
| 2273     | <a href="#">88263725</a> | Strain Relief Liquidtight | Malleable Iron | 3/4 in.   | 90°            | 0.500-0.625 in.     |
| 2274     | <a href="#">88263726</a> | Strain Relief Liquidtight | Malleable Iron | 3/4 in.   | 90°            | 0.620-0.750 in.     |
| 2275     | <a href="#">88263727</a> | Strain Relief Liquidtight | Malleable Iron | 1 in.     | 90°            | 0.750-0.875 in.     |
| 2278     | <a href="#">88263730</a> | Strain Relief Liquidtight | Malleable Iron | 1 1/4 in. | 90°            | 1.065-1.205 in.     |
| 2283     | <a href="#">88263736</a> | Strain Relief Liquidtight | Malleable Iron | 1 1/2 in. | 90°            | 1.187-1.375 in.     |

## Liquidtight Strain Relief Connectors - Straight

Thomas & Betts

### Benefits

- Provide Means for Passing a Cord Cable (Armored or Unarmored) into an Enclosure, Through a Bulkhead or into a Rigid Conduit
- Form a Mechanical Grip and Water and/or Oil-Resistant Seal for Cord and Unarmored or Jacketed Armored Round Cables
- Form a Non-Slip Connection or Termination for Flexible Cord, Cable (Armored or Unarmored)
- Provide Grounding Continuity of Cable Armor
- Extended Range with Superior Strain Relief
- Reduced Overall Size, Fits into Tighter Spaces
- Gland Nut Designed to Restrict Cable Bending



| Mfg. No. | Advanced ID              | Type                      | Hub Size | Material       | Cord Diameter Range |
|----------|--------------------------|---------------------------|----------|----------------|---------------------|
| 2521     | <a href="#">88263830</a> | Strain Relief Liquidtight | 1/2"     | Malleable Iron | 0.250 - 0.375 in.   |
| 2522     | <a href="#">88263831</a> | Strain Relief Liquidtight | 1/2"     | Malleable Iron | 0.375 - 0.500 in.   |
| 2523     | <a href="#">88263832</a> | Strain Relief Liquidtight | 1/2"     | Malleable Iron | 0.450 - 0.560 in.   |
| 2525     | <a href="#">88263834</a> | Strain Relief Liquidtight | 1/2"     | Malleable Iron | 0.625 - 0.725 in.   |
| 2531     | <a href="#">88263837</a> | Strain Relief Liquidtight | 3/4"     | Malleable Iron | 0.250 - 0.375 in.   |
| 2532     | <a href="#">88263839</a> | Strain Relief Liquidtight | 3/4"     | Malleable Iron | 0.375 - 0.500 in.   |
| 2534     | <a href="#">88263840</a> | Strain Relief Liquidtight | 3/4"     | Malleable Iron | 0.500 - 0.625 in.   |
| 2536     | <a href="#">88263842</a> | Strain Relief Liquidtight | 3/4"     | Malleable Iron | 0.750 - 0.880 in.   |
| 2545     | <a href="#">88263847</a> | Strain Relief Liquidtight | 1"       | Malleable Iron | 0.625 - 0.750 in.   |
| 2546     | <a href="#">88263848</a> | Strain Relief Liquidtight | 1"       | Malleable Iron | 0.750 - 0.880 in.   |
| 2547     | <a href="#">88263849</a> | Strain Relief Liquidtight | 1"       | Malleable Iron | 0.875 - 0.985 in.   |
| 2564     | <a href="#">88263860</a> | Strain Relief Liquidtight | 1 1/2"   | Malleable Iron | 1.187 - 1.375 in.   |
| 2574     | <a href="#">88263864</a> | Strain Relief Liquidtight | 2"       | Malleable Iron | 1.375 - 1.625 in.   |
| 2594     | <a href="#">88263876</a> | Strain Relief Liquidtight | 3"       | Malleable Iron | 2.535 - 2.750 in.   |

### Non-Metallic Cable Connectors - Plastic

Arlington Industries, Inc.



NM94



NM841

#### Benefits

- Reduces Labor Costs - Fastest Method of Installing Single or Multiple NM Cables
- Meets and Exceeds UL Pullout Tests
- Removable with a Screwdriver

| Mfg. No. | Advanced ID              | Cable Range         | Type              | Trade Size                | Material |
|----------|--------------------------|---------------------|-------------------|---------------------------|----------|
| NM94     | <a href="#">96048514</a> | 14/2 to 10/2 AWG NM | Push-In Connector | 3/8 in., 1/2 in. Knockout | Plastic  |
| NM95     | <a href="#">97205619</a> | 14/2 to 6/2 AWG NM  | Push-In Connector | 3/4 in., 3/4 in. Knockout | Plastic  |
| NM841    | <a href="#">91028754</a> | 14/2 to 6/2 AWG NM  | Push-In Connector | 1/2 in. Knockout          | Plastic  |
| NM842    | <a href="#">92050103</a> | 14/3 to 6/3 AWG NM  | Push-In Connector | 3/4 in. Knockout          | Plastic  |
| NM843    | <a href="#">92132509</a> | 14/3 to 8/3 AWG NM  | Push-In Connector | 1 in. Knockout            | Plastic  |

### Non-Metallic Cable Connectors

Bridgeport Fittings, Inc.



Two-Piece Clamp Type



Two-Screw, Strap Type

#### Benefits

- For Connecting Single Non-Metallic Cable to Box or Enclosure

| Mfg. No. | Advanced ID              | Type                  | Trade Size | Material      | Cable Range  |
|----------|--------------------------|-----------------------|------------|---------------|--------------|
| 642      | <a href="#">88032006</a> | Two-Piece Clamp Type  | 1/2 in.    | Steel         | .180-.560    |
| 643      | <a href="#">88032007</a> | Two-Piece Clamp Type  | 3/4 in.    | Steel         | .250-.830    |
| 644      | <a href="#">88032008</a> | Two-Piece Clamp Type  | 1 1/4 in.  | Steel         | .250-.980    |
| 645      | <a href="#">92052222</a> | Two-Piece Clamp Type  | 1 1/2 in.  | Steel         | .312-1.125   |
| 650-DC2  | <a href="#">88032011</a> | Two-Screw, Strap Type | 3/8 in.    | Zinc Die Cast | 14/2 to 12/2 |

### High Impact Thermoplastic Snap-In Conduit Connectors

Thomas & Betts

#### Benefits

- High Impact Thermoplastic. UL 94-V1
- Features Push-In Design
- Captive Locking Wedge Secures Cable with Single Squeeze of Standard Electrician's Pliers
- Provides Excellent Insulation, Strain-Relief and High Pull-Out Value



| Mfg. No. | Advanced ID     | Cable Range       | Type                           | Trade Size | Material                  |
|----------|-----------------|-------------------|--------------------------------|------------|---------------------------|
| 3201-TB  | <b>88264088</b> | 0.300 - 0.600 in. | Non-Metallic Push-In Connector | 1/2 in.    | High Impact Thermoplastic |
| 3202     | <b>88264110</b> | 0.500 - 0.850 in. | Non-Metallic Push-In Connector | 3/4 in.    | High Impact Thermoplastic |

### Cable Stackers

3M

3M SI-1 Cable Stacker centers multiple cables on a 2 x 4 framing member. It organizes cable runs and aids in identification, putting an end to tangled wires and the potential heating that could occur when cables are held together tightly under a single fastener. The SI-1 Cable Stacker is made from reclaimed plastic. Installation is easy with cables snapping in for a positive lock.

The SIFS-1 Furring Strip Cable Stacker is made for round cable as well as flat. It has the easy installation of the SI-1 Cable Stacker and is made from reclaimed plastic as well. The ease of organization and identification provided by the SIFS-1 is combined with its versatility of use—routing, fastening and supporting CATV, telephone, security and instrumentation cables.

SI-1 Cable Stacker simplify compliance with the spacing requirements of the National Electrical Code, article 300-4-(d) and the Canadian Electric Code Part I, Section 12-516.



SI-1

| Mfg. No.       | Advanced ID     | Description  |
|----------------|-----------------|--|
| SI-1           | <b>90087874</b> | Wire Range 14-2 AWG to 10-2 AWG Flat NM or Up to 0.30 in. Diameter Round |
| SIFS-1-STAK-IT | <b>91033269</b> | Wire Range 14-2 AWG to 10-2 AWG Flat NM or 14-3 AWG to 10-3 AWG Round    |

### MC/AC Cable to Metal Stud

ERICO®

Easily attaches MC or AC to studs. Requires no special tools for fast installation.



| Mfg. No. | Advanced ID     | Description   |
|----------|-----------------|---|
| 449      | <b>88091774</b> | MC/AC Cable to Metal Stud, (14-2, 14-3, 12-2, 12-3) |

### Through Stud Cable/Conduit Support

ERICO®

Eliminates conduit rattle, provides a quick means of support for horizontal runs of Rigid, EMT, MC/AC or ENT through metal stud.

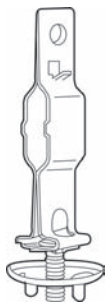


| Mfg. No. | Advanced ID     | Description   |
|----------|-----------------|---|
| 459      | <b>99567890</b> | Through Stud Cable/Conduit Support, MC/AC (14-2, 14-3, 12-2, or 12-3) |

## Independent Support Clips

ERICO®

Provides a means of independent support of fixtures installed in T-grid ceilings.



| Mfg. No. | Advanced ID     | Description                            |
|----------|-----------------|--|
| IDS95    | <b>95012623</b> | 9/16 X 5/16 in. Grid with 5/8 in. Stud |

## Lay In and Troffer Light Fixture Support Clips

ERICO®

Gives a positive method of supporting troffers and lay-ins. Fits round or rectangular head tee bar.

### Features

- The Original Earthquake/Hurricane Clips
- Complies with the National Electrical Code, Article 410-16 Means of Support

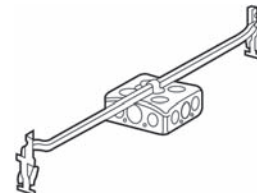


| Mfg. No. | Advanced ID     | Description           |
|----------|-----------------|-----------------------|
| 515      | <b>90063171</b> | Straight Lip Fixtures |

## Snap on Fixture/Box Hanger

ERICO®

Snaps easily onto supports from acoustical tee bar as well as main structure with the use of a drop wire.



### Features

- Hanger Comes Complete with Box Mounting Clip and 1/4 in.-20 Screw
- Dual Height Feature Permits 1 1/2 in. Deep Electrical Box to be Mounted Flush with Tile
- 24 in. Span

| Mfg. No. | Advanced ID     | Description                |
|----------|-----------------|----------------------------|
| 512      | <b>88091777</b> | Snap on Fixture/Box Hanger |

## "Twist On" Fixture Support

ERICO®

Sign hanger for 15/16 in. T-grid ceilings.

### Features

- Washer-Wing Nut (4WN) Included



| Mfg. No. | Advanced ID     | Description                                  |
|----------|-----------------|--|
| 4G16H    | <b>88091747</b> | "Twist On" Fixture Support for 15/16 in. Tee |

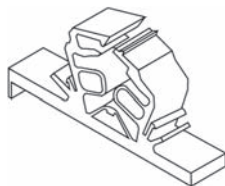
## Cable Gripper

ERICO®

Provides easy and secure installation of multiple cables with unique locking/unlocking system.

### Features

- Attaches to Existing Holes in Metal Studs Without Tools
- Staples, Nails or Screws to Wood Stud



| Mfg. No. | Advanced ID     | Description                 |
|----------|-----------------|-----------------------------|
| CG4      | <b>97098406</b> | Cable Gripper Cable Support |

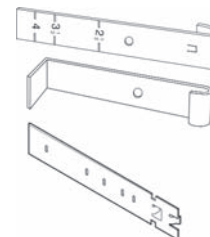
## Adjustable Far Side Box Support

ERICO®

Provides far side electrical box support in various stud wall depths.

### Features

- Installs in Seconds with Simple Tools: Pliers for 766 and Hammer for J1A35



766

| Mfg. No. | Advanced ID     | Application                                      |
|----------|-----------------|--|
| 766      | <b>88091833</b> | Lock on for 2 1/2 in., 3 1/2 in. and 4 in. Studs |
| J1A35    | <b>88091934</b> | Hammer-On for 2 1/2 and 3 1/2 in. studs          |

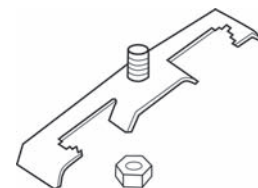
## Multi-Function Clip

ERICO®

From drop wire, plain threaded rod, or flange. Attaches to #12 wire thru 1/4 in. Fits 1/8 to 3/8 in. flanges.

### Features

- Includes 1/4 - 20 Stud with Hex Nut
- Supports #10-24 and 1/4 in.-20 Threaded Bridle Rings
- Eliminates Offset Bending Conduit **Mfg.**



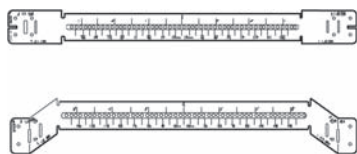
| No.  | Advanced ID     | Application                              |
|------|-----------------|--|
| 4Z4S | <b>22073935</b> | Provides Attachment of Conduit and Boxes |



### Screw Gun Box Bracket

ERICO®

For between studs can mount multiple 1½ in. or 2⅞ in. deep boxes.



#### Features

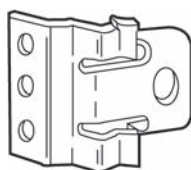
- Notched and Marked for Easy Identification and Bending
- Stamped Inch Markings and Pilot Holes Accelerates Precise Box Mounting
- Screw Gun Box Bracket, 16 or 24 in. OC

| Mfg. No. | Advanced ID | Application            |
|----------|-------------|------------------------|
| SGB24A   | 99424040    | Adjustable Box Bracket |

### Screw on Box Support

ERICO®

Permits positioning of metal electrical box anywhere on metal or wood stud, regardless of stud size.



| Mfg. No. | Advanced ID | Application                 |
|----------|-------------|-----------------------------|
| 350      | 88091730    | Electrical Box 2 Metal Stud |

### Floor Mount Box Support

ERICO®

Positions center of electrical box 18½ in. above unfinished floor per Americans with Disabilities Act accessibility guidelines.

#### Features

- Mounts 4 in. or 4 11/16 in. U.S. or Canadian Boxes: 1½ in. or 2⅞ in. Deep
- Mounts Plaster Rings for Low Voltage Applications
- Versatile Positioning- Independent of Wall Stud Location
- Eliminates Stocking Different Size Brackets



| Mfg. No. | Advanced ID | Description             |
|----------|-------------|-------------------------|
| FMBS18   | 22053665    | Floor Mount Box Support |

### Press-On Nail Plate

ERICO®

Protects electrical and datacomm wiring in wood or metal studs per NEC 300.4.

#### Features

- Breakable Tabs Permit Multiple Plates to be Ganged Together



| Mfg. No. | Advanced ID | Description         | Dimensions     |
|----------|-------------|---------------------|----------------|
| 304B2    | 98405725    | Press-on Nail Plate | 16 Gauge Steel |

### Electrical Box T-Bar Fastener

Cooper B-Line



Mounts electrical boxes to T-Bar ceilings.

#### Features

- Bendable Ends Enable Mounting of 1½ or 2⅞ in. Boxes (BA50 Series)
- Supports Octagonal or Square Boxes

| Mfg. No. | Advanced ID | Description   |
|----------|-------------|---|
| BA12     | 90041395    | T-Bar hanger for electrical boxes, 24 in. Span                              |
| BA12-12  | 92045823    | T-Bar hanger for electrical boxes, 12 in. Span                              |
| BA12-20  | 92045824    | T-Bar hanger for electrical boxes, 20 in. Span                              |
| BA12-30  | 91007908    | T-Bar hanger for electrical boxes, 30 in. Span                              |
| BA50     | 99568814    | Heavy duty T-Bar hanger for electrical boxes, 24 in. L                      |
| BA50D    | 99568815    | Heavy duty T-Bar hanger for electrical boxes with ½ in. extension, 24 in. L |

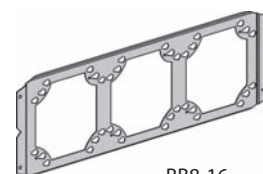
### Box Mounting Brackets

Cooper B-Line

Mounts 4 or 4 11/16 in. boxes to metal or wood studs.

#### Features

- Attaches with Screws to Either Side of Metal Stud
- Supports Boxes or Plaster Rings Between Studs 16 or 24 in. on Center
- Side-By-Side Mounting of 1½ or 2⅞ in. Deep Boxes

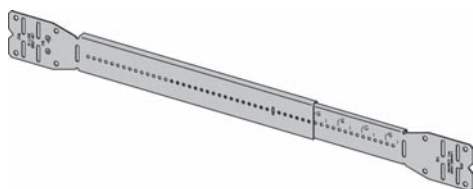


| Mfg. No. | Advanced ID | Application                                 |
|----------|-------------|---|
| BB8-16   | 94005149    | Box Support Bracket for 16 in. Stud Spacing |
| BB8-24   | 94005144    | Box Support Bracket for 24 in. Stud Spacing |

## Telescoping Box Mounting Brackets

### Cooper B-Line

Completely adjustable - fits a range of stud spacings and both 1½ and 2⅞ in. deep boxes.



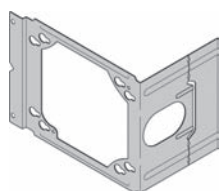
### Features

- Telescoping Design Slides to Adjust for Varying Stud Spacing
- Pre-Punched Screw Holes Provide Easy Installation
- Bar is Marked with a Scale for Quick Center Adjustment
- Finish is Pre-Galvanized

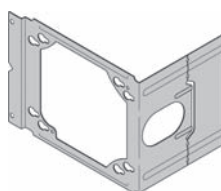
| Mfg. No. | Advanced ID     | Application                                |
|----------|-----------------|--|
| BB2-16T  | <b>96077169</b> | Box Support Bracket 11-18 in. Stud Spacing |
| BB2-24T  | <b>96077170</b> | Box Support Bracket 15-26 in. Stud Spacing |

## Electrical Box Support Bracket

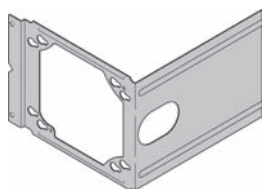
### Cooper B-Line



BB4-23



BB4-4



BB4-6

Mounts 4 or 4<sup>11</sup>/<sub>16</sub> in. boxes to metal or wood studs.

### Features

- Attaches with Screws to Either Side of Metal Stud
- Brackets May be Piggy-Backed in Series on Same Side
- Accommodates 4 or 4<sup>11</sup>/<sub>16</sub> in. Boxes
- Finish is Pre-Galvanized

| Mfg. No. | Advanced ID     | Application                      |
|----------|-----------------|----------------------------------|
| BB4-23   | <b>90041397</b> | Mounts Box to 2½ or 3½ in. Studs |
| BB4-4    | <b>90041393</b> | Mounts Box to 4 or 2½ in. Studs  |
| BB4-6    | <b>92066856</b> | Mounts Box to 6 in. Studs        |

Advanced provides electrical and communication products to Government Agencies under GSA schedules #GS-07F-9462G and #GS-35F-0374M.

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### Screw Cover Pull Boxes

Hoffman®

Designed for use as a junction box and pull box in commercial and general industrial applications.

#### Features

- Steel or Galvanized Steel Construction
- Flat, Removable Covers Fastened with Plated Steel Screws
- ANSI 61 Gray Finish
- NEMA Type 1



| Mfg. No.   | Advanced ID | Dimensions         |
|------------|-------------|--------------------|
| ASE4X4X4   | 88132514    | 4H x 4W x 4D in.   |
| ASE6X6X4   | 88132516    | 6H x 6W x 4D in.   |
| ASE6X6X6   | 88132518    | 6H x 6W x 6D in.   |
| ASE8X6X4   | 88132520    | 8H x 6W x 4D in.   |
| ASE8X8X4   | 88132523    | 8H x 8W x 4D in.   |
| ASE8X8X6   | 88132525    | 8H x 8W x 6D in.   |
| ASE10X8X4  | 88132475    | 10H x 8W x 4D in.  |
| ASE10X10X4 | 88132471    | 10H x 10W x 4D in. |
| ASE10X10X6 | 88132473    | 10H x 10W x 6D in. |
| ASE12X8X4  | 88132487    | 12H x 8W x 4D in.  |
| ASE12X12X4 | 88132482    | 12H x 12W x 4D in. |
| ASE12X12X6 | 88132484    | 12H x 12W x 6D in. |
| ASE12X12X8 | 96098122    | 12H x 12W x 8D in. |
| ASE16X12X6 | 94065350    | 16H x 12W x 6D in. |
| ASE16X16X6 | 94065349    | 16H x 16W x 6D in. |
| ASE18X12X4 | 88132495    | 18H x 12W x 4D in. |
| ASE18X12X6 | 88132496    | 18H x 12W x 6D in. |
| ASE18X18X4 | 97100310    | 18H x 18W x 4D in. |
| ASE18X18X6 | 88132500    | 18H x 18W x 6D in. |
| ASE24X18X6 | 88132502    | 24H x 18W x 6D in. |
| ASE24X24X6 | 88132505    | 24H x 24W x 6D in. |

#### Note:

For KOs, add NK after the Catalog # and order using Mfg. No.

### Screw Cover SC Boxes

Hoffman®

Designed to provide protection for electrical devices and wiring in indoor applications. These enclosures safeguard components against dust, dirt, oil, and water.

#### Features

- Oil-Resistant Gasket and Adhesive
- Seams Continuously Welded
- No Holes or Knockouts
- 16 or 14 Gauge Steel
- External Mounting Feet
- Type 12 and Type 13



| Mfg. No. | Advanced ID | Dimensions         | Material Gauge | Interior Panel |
|----------|-------------|--------------------|----------------|----------------|
| A606SC   | 88131971    | 6H x 6W x 4D in.   | 16             | A6P6           |
| A806SC   | 88132169    | 8H x 6W x 3.5D in. | 14             | A8P6           |
| A808SC   | 88132171    | 8H x 8W x 4D in.   | 14             | A8P8           |
| A1212SC  | 88131258    | 12H x 12W x 6D in. | 14             | A12P12         |

### Screw Cover Type 3R Boxes

Hoffman®

Designed for use as a wiring box and junction box. Provides protection in outdoor installations against rain, sleet, snow, or indoors against dripping water.

#### Features

- Galvanized Steel Construction
- Drip Shield Top and Seam-Free Sides, Front, and Back
- Slip-On Removable Cover Fastened with Plated Steel Screws Along Bottom
- No Gasketing
- Provision for Padlocking
- ANSI 61 Gray Finish
- NEMA Type 3R



| Mfg. No. | Advanced ID | Dimensions          |
|----------|-------------|---------------------|
| A4R44    | 97100248    | 4H x 4W x 4D in.    |
| A6R66    | 97100250    | 6H x 6W x 6D in.    |
| A8R64    | 88132224    | 8H x 6W x 4D in.    |
| A8R86    | 88132229    | 8H x 8W x 6D in.    |
| A10R104  | 88131225    | 10H x 10W x 4D in.  |
| A10R106  | 88131226    | 10H x 10W x 6D in.  |
| A10R84   | 88131227    | 10H x 8W x 4D in.   |
| A12R106  | 88131288    | 12H x 10W x 6D in.  |
| A12R124  | 88131292    | 12H x 12W x 4D in.  |
| A12R126  | 88131293    | 12H x 12W x 6D in.  |
| A12R128  | 88131296    | 12H x 12W x 8D in.  |
| A16R126  | 95021948    | 16H x 12W x 6D in.  |
| A18R126  | 88131412    | 18H x 12W x 6D in.  |
| A18R186  | 88131417    | 18H x 18W x 6D in.  |
| A18R188  | 88131418    | 18H x 18W x 8D in.  |
| A24R208  | 94065380    | 24H x 20W x 8D in.  |
| A24R2412 | 88131590    | 24H x 24W x 12D in. |
| A24R248  | 88131592    | 24H x 24W x 8D in.  |
| A30R248  | 88131676    | 30H x 24W x 8D in.  |
| A36R3612 | 96010366    | 36H x 36W x 12D in. |

### Hinged Cover Type 3R Medium Enclosures

Hoffman®

Designed for use as a wiring and junction box. Enclosure provides protection in outdoor installations against rain, sleet, and snow or indoors against dripping water.



#### Features

- Galvanized Steel Construction
- Drip Shield Top and Seam-Free Sides, Front, and Back
- Cover Fastened Securely with Captive Plated Steel Screws
- No Gasketing or Knockouts
- NEMA Type 3R

| Mfg. No.    | Advanced ID     | Dimensions          | Interior Panel* |
|-------------|-----------------|---------------------|-----------------|
| A16R126HCR  | <b>88131404</b> | 16H x 12W x 6D in.  | A16P12          |
| A16R166HCR  | <b>88131407</b> | 16 H x 16W x 6D in. | A16P16          |
| A20R166HCR  | <b>88131482</b> | 20H x 16W x 6D in.  | A20P16          |
| A20R208HCR  | <b>88131484</b> | 20H x 20W x 8D in.  | A20P20          |
| A24R208HCR  | <b>88131589</b> | 24H x 20W x 8D in.  | A24P20          |
| A24R248HCR  | <b>88131594</b> | 24H x 24W x 8D in.  | A24P24          |
| A30R248HCR  | <b>88131678</b> | 30H x 24W x 8D in.  | A30P24          |
| A30R3012HCR | <b>88131679</b> | 30H x 30W x 12D in. | A30P30          |
| A36R3012HCR | <b>88131772</b> | 36H x 30W x 12D in. | A36P30          |
| A36R3612HCR | <b>88131773</b> | 36H x 36W x 12D in. | A36P36          |
| A48R3616HCR | <b>94065379</b> | 48H x 36W x 16D in. | A48P36          |

\* Panel ordering information can be found on page 5-6.

### Screw Cover Gasketed Boxes

Hoffman®



Designed for use as a wiring box, junction box, pull box, and terminal box in many indoor and outdoor applications where dust or moisture is a problem.

#### Features

- 14 Gauge G90 Grade Galvanized Steel Body
- 12 or 10 Gauge G90 Grade Galvanized Steel Covers
- Seams Continuously Welded and Ground Smooth
- Oil-Resistant Gasket and Adhesive
- NEMA Type 3 and Type 12

| Mfg. No.              | Advanced ID     | Dimensions         |
|-----------------------|-----------------|--------------------|
| <b>12 Gauge Cover</b> |                 |                    |
| A664GSC               | <b>88132030</b> | 6H x 6W x 4D in.   |
| A884GSC               | <b>88132202</b> | 8H x 8W x 4D in.   |
| A10104GSC             | <b>88131189</b> | 10H x 10W x 4D in. |
| <b>10 Gauge Cover</b> |                 |                    |
| A16166GSC             | <b>88131367</b> | 16H x 16W x 6D in. |
| A24248GSC             | <b>88131517</b> | 24H x 24W x 8D in. |

### Small Screw Cover DSC Boxes

Hoffman®

Intended for indoor or outdoor use as electrical junction and terminal wiring boxes.



#### Features

- Drawn 16 Gauge Steel
- Oil-Resistant Gasket and Adhesive
- No Holes or Conduit Knockouts
- NEMA Type 4, 6, 12 and 13

| Mfg. No. | Advanced ID     | Dimensions               |
|----------|-----------------|--------------------------|
| A402DSC  | <b>88131792</b> | 4H x 2W x 2D in.         |
| A403DSC  | <b>88131793</b> | 4.5H x 2.88W x 2.62D in. |
| A404DSC  | <b>88131800</b> | 4H x 4W x 2.62D in.      |

### Hinge Cover Pull Boxes

Hoffman®

Designed for use as a surface-mounted junction box, service box, switch box, and cutout box.



#### Features

- Steel Construction
- Butt Hinges
- Various Sizes of Easily Removable Concentric Knockouts on All 4 Sides
- Provision for Grounding
- Mounting Holes on Back of Box
- NEMA Type 1

| Mfg. No.   | Advanced ID     | Dimensions         |
|------------|-----------------|--------------------|
| AHE6X6X4   | <b>88132376</b> | 6H x 6W x 4D in.   |
| AHE8X8X4   | <b>88132379</b> | 8H x 8W x 4D in.   |
| AHE12X12X4 | <b>88132354</b> | 12H x 12W x 4D in. |
| AHE12X12X6 | <b>88132355</b> | 12H x 12W x 6D in. |
| AHE18X18X6 | <b>88132366</b> | 18H x 18W x 6D in. |
| AHE24X24X6 | <b>88132369</b> | 24H x 24W x 6D in. |

## Continuous Hinge “CH” Boxes

Hoffman®

Designed for use as electrical junction boxes, terminal wiring boxes, and instrument housings. Hinged doors provide convenient access.



### Features

- 16 Gauge or 14 Gauge Steel
- Seams Continuously Welded and Ground Smooth
- Continuous Hinge
- External Screw Clamps are Quick and Easy to Operate
- Oil-Resistant Gasket and Adhesive
- NEMA Type 12 or Type 13

| Mfg. No.  | Advanced ID     | Dimensions          | Material Gauge | Interior Panel |
|-----------|-----------------|---------------------|----------------|----------------|
| A404CH    | <b>88131797</b> | 4H x 4W x 3D in.    | 16             | No panel       |
| A604CH    | <b>88131949</b> | 6H x 4W x 3D in.    | 16             | A6P4           |
| A606CH    | <b>88131961</b> | 6H x 6W x 4D in.    | 16             | A6P6           |
| A806CH    | <b>88132162</b> | 8H x 6W x 3.5D in.  | 14             | A8P6           |
| A808CH    | <b>88132170</b> | 8H x 8W x 4D in.    | 14             | A8P8           |
| A1008CH   | <b>88131174</b> | 10H x 8W x 4D in.   | 14             | A10P8          |
| A1210CH   | <b>88131244</b> | 12H x 10W x 5D in.  | 14             | A12P10         |
| A1212CH   | <b>88131255</b> | 12H x 12W x 6D in.  | 14             | A12P12         |
| A1412CH   | <b>88131310</b> | 14H x 12W x 6D in.  | 14             | A14P12         |
| A1614CH   | <b>88131353</b> | 16H x 14W x 6D in.  | 14             | A16P14         |
| A6044CH   | <b>88131937</b> | 6H x 4W x 4D in.    | 16             | A6P4           |
| A8066CH   | <b>88132160</b> | 8H x 6W x 6D in.    | 14             | A8P6           |
| A10086CH  | <b>88131171</b> | 10H x 8W x 6D in.   | 14             | A10P8          |
| A10106CH  | <b>88131190</b> | 10H x 10W x 6D in.  | 14             | A10P10         |
| A12108CH  | <b>88131242</b> | 12H x 10W x 8D in.  | 14             | A12P10         |
| A14128CH  | <b>88131309</b> | 14H x 12W x 8D in.  | 14             | A14P12         |
| A16148CH  | <b>88131352</b> | 16H x 14W x 8D in.  | 14             | A16P14         |
| A161410CH | <b>88131351</b> | 16H x 14W x 10D in. | 14             | A16P14         |

## Continuous Hinge Type 4 “CHNF” Boxes

Hoffman®

Intended for indoor or outdoor use as electrical junction boxes, terminal wiring boxes, and instrument housings.



### Features

- 16 Gauge or 14 Gauge Steel
- Seams Continuously Welded and Ground Smooth
- Stainless Steel Clamps on Three Sides of Cover Assure Watertight Seal
- Oil-Resistant Gasket and Adhesive
- NEMA Type 4, 12 and 13

| Mfg. No.   | Advanced ID     | Dimensions         | Material Gauge | Interior Panel |
|------------|-----------------|--------------------|----------------|----------------|
| A606CHNF   | <b>88131963</b> | 6H x 6W x 4D in.   | 16             | A-6P6          |
| A1008CHNF  | <b>88131176</b> | 10H x 8W x 4D in.  | 14             | A-10P8         |
| A1210CHNF  | <b>88131245</b> | 12H x 10W x 5D in. | 14             | A-12P10        |
| A1212CHNF  | <b>88131256</b> | 12H x 12W x 6D in. | 14             | A-12P12        |
| A1412CHNF  | <b>88131312</b> | 14H x 12W x 6D in. | 14             | A-14P12        |
| A1614CHNF  | <b>88131355</b> | 16H x 14W x 6D in. | 14             | A-16P14        |
| A10086CHNF | <b>88131172</b> | 10H x 8W x 6D in.  | 14             | A-10P8         |

## Small Type 1 Enclosures

Hoffman®

Designed for use in control and instrumentation applications in areas not requiring oil-tight and dust-tight specifications.



### Features

- 16 Gauge Steel
- Butt Hinges
- Flush Latch
- Mounting Holes on Back of Enclosure
- NEMA Type 1

| Mfg. No. | Advanced ID     | Dimensions         | Interior Panel * |
|----------|-----------------|--------------------|------------------|
| A8N64    | <b>88132212</b> | 8H x 6W x 4D in.   | A8N6P            |
| A8N84    | <b>88132215</b> | 8H x 8W x 4D in.   | A8N8P            |
| A8N86    | <b>94073112</b> | 8H x 8W x 6D in.   | A8N8P            |
| A10N84   | <b>88131216</b> | 10H x 8W x 4D in.  | A10N8P           |
| A12N106  | <b>88131273</b> | 12H x 10W x 6D in. | A12N10P          |
| A12N124  | <b>88131275</b> | 12H x 12W x 4D in. | A12N12P          |
| A12N126  | <b>88131276</b> | 12H x 12W x 6D in. | A12N12P          |
| A14N126  | <b>88131327</b> | 14H x 12W x 6D in. | A14N12P          |
| A16N126  | <b>88131385</b> | 16H x 12W x 6D in. | A16N12P          |

\* Panel ordering information can be found on page 5-6.



### Single-Door Type 12 and Type 13 Enclosures

Hoffman®

Intended for use in housing electrical and electronic controls, instruments, components and associated wiring, these enclosures incorporate hinged doors which provide convenient access. Designed for indoor use in protecting components from dust, dirt, oil and water.



#### Features

- Steel Construction
- Seams Continuously Welded and Ground Smooth, No Holes or Knockouts
- External Mounting Feet
- Data Pocket is High-Impact Thermoplastic
- Oil-Resistant Gasket

| Mfg. No.  | Advanced ID     | Dimensions          | Interior Panel* |
|-----------|-----------------|---------------------|-----------------|
| A161206LP | <b>88131343</b> | 16H x 12W x 6D in.  | A16P12          |
| A161608LP | <b>88131366</b> | 16H x 16W x 8D in.  | A16P16          |
| A201606LP | <b>88131425</b> | 20H x 16W x 6D in.  | A20P16          |
| A201608LP | <b>88131427</b> | 20H x 16W x 8D in.  | A20P16          |
| A201612LP | <b>88131429</b> | 20H x 16W x 12D in. | A20P16          |
| A202006LP | <b>88131432</b> | 20H x 20W x 6D in.  | A20P20          |
| A202008LP | <b>88131433</b> | 20H x 20W x 8D in.  | A20P20          |
| A202010LP | <b>88131434</b> | 20H x 20W x 10D in. | A20P20          |
| A242008LP | <b>88131505</b> | 24H x 20W x 8D in.  | A24P20          |
| A242406LP | <b>88131510</b> | 24H x 24W x 6D in.  | A24P24          |
| A242408LP | <b>88131512</b> | 24H x 24W x 8D in.  | A24P24          |
| A242410LP | <b>88131514</b> | 24H x 24W x 10D in. | A24P24          |
| A242412LP | <b>88131515</b> | 24H x 24W x 12D in. | A24P24          |
| A302408LP | <b>88131612</b> | 30H x 24W x 8D in.  | A30P24          |
| A302410LP | <b>88131614</b> | 30H x 24W x 10D in. | A30P24          |
| A302412LP | <b>88131615</b> | 30H x 24W x 12D in. | A30P24          |
| A303008LP | <b>88131620</b> | 30H x 30W x 8D in.  | A30P30          |
| A363010LP | <b>88131702</b> | 36H x 30W x 10D in. | A36P30          |
| A363612LP | <b>88131709</b> | 36H x 36W x 12D in. | A36P36          |
| A483608LP | <b>88131871</b> | 48H x 36W x 8D in.  | A48P36          |
| A483612LP | <b>88131874</b> | 48H x 36W x 12D in. | A48P36          |

\* Panel ordering information can be found on page 5-6.

### Medium Type 1 Enclosures

Hoffman®

Designed for use in control and instrumentation applications in areas not requiring oil-tight and dust-tight specifications.



#### Features

- Steel Construction
- Doors have Butt Hinges and Slotted Flush Latches
- Mounting Holes on Back of Enclosure
- NEMA Type 1

| Mfg. No.  | Advanced ID     | Dimensions            | Interior Panel* |
|-----------|-----------------|-----------------------|-----------------|
| A16N16ALP | <b>94065376</b> | 16H x 16W x 6.62D in. | A16N16MP        |
| A20N16ALP | <b>94065374</b> | 20H x 16W x 6.00D in. | A20N16MP        |
| A20N20ALP | <b>94065373</b> | 20H x 20W x 6.62D in. | A20N20MP        |
| A24N20ALP | <b>94065371</b> | 24H x 20W x 6.00D in. | A24N20MP        |
| A24N24ALP | <b>94065370</b> | 24H x 24W x 6.62D in. | A24N24MP        |
| A30N24ALP | <b>94065369</b> | 30H x 24W x 6.62D in. | A30N24MP        |
| A36N24ALP | <b>94065368</b> | 36H x 24W x 6.62D in. | A36N24MP        |
| A36N30ALP | <b>94065367</b> | 36H x 30W x 6.62D in. | A36N30MP        |
| A20N16BLP | <b>94065365</b> | 20H x 16W x 8.62D in. | A20N16MP        |
| A24N20BLP | <b>94065363</b> | 24H x 20W x 8.62D in. | A24N20MP        |
| A24N24BLP | <b>94065362</b> | 24H x 24W x 8.62D in. | A24N24MP        |
| A30N24BLP | <b>94065361</b> | 30H x 24W x 8.62D in. | A30N24MP        |
| A36N30BLP | <b>94065358</b> | 36H x 30W x 8.62D in. | A36N30MP        |

\* Panel ordering information can be found on page 5-6.

### Stainless Steel Continuous Hinge Type 4X Junction Box

Hoffman®

Provides protection for housing electrical components in highly corrosive environments. This enclosure is used in indoor and outdoor settings that are frequently wet or have constant exposure to water.



#### Features

- 16 or 14 Gauge Stainless Steel
- Continuously Welded Seams
- Seamless, Foam-In-Place Gasket Assures Watertight Seal
- Type 4, 4X, 12 and 13

| Mfg. No.     | Advanced ID     | Dimensions         | Material Gauge | Interior Panel |
|--------------|-----------------|--------------------|----------------|----------------|
| A6044CHNFSS  | <b>88131938</b> | 6H x 4W x 4D in.   | 16             | A6P4           |
| A606CHNFSS   | <b>88131964</b> | 6H x 6W x 4D in.   | 16             | A6P6           |
| A8064CHNFSS  | <b>88132158</b> | 8H x 6W x 4D in.   | 16/14†         | A8P6           |
| A1008CHNFSS  | <b>88131177</b> | 10H x 8W x 4D in.  | 16/14†         | A10P8          |
| A12106CHNFSS | <b>88131238</b> | 12H x 10W x 6D in. | 16/14†         | A12P10         |
| A1212CHNFSS  | <b>88131257</b> | 12H x 12W x 6D in. | 16/14†         | A12P12         |
| A1412CHNFSS  | <b>88131313</b> | 14H x 12W x 6D in. | 16/14†         | A14P12         |
| A1614CHNFSS  | <b>88131356</b> | 16H x 14W x 6D in. | 16/14†         | A16P14         |

†All have 16 gauge cover & 14 gauge body

## Stainless Steel Type 4X Enclosure

Hoffman®

Rolled lip around three sides of door and all sides of enclosure opening to exclude liquids and contaminants, removable door.

### Features

- 14 Gauge Type 304 Stainless Steel
- For Indoor or Outdoor Applications
- NEMA Type 4, 4X, 3, 12, & 13



| Mfg. No.     | Advanced ID     | Dimensions          | Material Gauge | Interior Panel* |
|--------------|-----------------|---------------------|----------------|-----------------|
| A16H1206SSLP | <b>88131375</b> | 16H x 12W x 6D in.  | 14             | A16P12          |
| A16H1208SSLP | <b>88131376</b> | 16H x 12W x 8D in.  | 14             | A16P12          |
| A20H1606SSLP | <b>88131450</b> | 20H x 16W x 6D in.  | 14             | A20P16          |
| A20H1608SSLP | <b>88131452</b> | 20H x 16W x 8D in.  | 14             | A20P16          |
| A24H2008SSLP | <b>88131545</b> | 24H x 20W x 8D in.  | 14             | A24P20          |
| A24H2408SSLP | <b>88131555</b> | 24H x 24W x 8D in.  | 14             | A24P24          |
| A24H2412SSLP | <b>88131557</b> | 24H x 24W x 12D in. | 14             | A24P24          |
| A30H2408SSLP | <b>88131649</b> | 30H x 24W x 8D in.  | 14             | A30P24          |
| A30H2412SSLP | <b>88131653</b> | 30H x 24W x 12D in. | 14             | A30P24          |
| A36H3012SSLP | <b>88131744</b> | 36H x 36W x 12D in. | 14             | A36P30          |

\* Panel ordering information can be found on page 5-6.

## Fiberglass Type 4X Wall-Mount Enclosures

Hoffman®

Designed to insulate and house electrical controls, instruments, and components in highly corrosive environments indoors or outdoors. Ideal for use in petro-chemical or water processing plants.

### Features

- Fiberglass Reinforced Polyester Material has Excellent Temperature Resistance
- Seams are Sealed, No Holes or Knockouts
- Seamless Foam-In-Place Gasket Assures Watertight and Dust-Tight Seal
- NEMA Type 3, 3R, 4, 4X, 12 and 13



| Mfg. No.      | Advanced ID     | Dimensions                | Interior Panel* |
|---------------|-----------------|---------------------------|-----------------|
| A24H2008GQRLP | <b>88131544</b> | 24.25H x 20.25W x 8D in.  | A24P20          |
| A24H2408GQRLP | <b>88131554</b> | 24.19H x 24.19W x 8D in.  | A24P24          |
| A24H2412GQRLP | <b>88131556</b> | 24.19H x 24.19W x 12D in. | A24P24          |
| A48H3612GQRLP | <b>88131892</b> | 48.25H x 36.25W x 12D in. | A48P36          |

\* Panel ordering information can be found on page 5-6.

## Fiberglass Hinged Cover Type 4X Enclosure

Hoffman®

Designed for use as electrical junction boxes in highly corrosive environments. These enclosures are also suitable as instrument housings in both indoor and outdoor applications.

### Features

- Seamless Foam in Place Gasket
- Polyester Mounting Feet
- Outstanding Chemical and Temperature Resistance



| Mfg. No.                   | Advanced ID     | Dimensions          | Interior Panel |
|----------------------------|-----------------|---------------------|----------------|
| <b>Screw Cover</b>         |                 |                     |                |
| A-664CHSCFG                | <b>90057393</b> | 6H x 6W x 4D in.    | A6P6           |
| A864CHSCFG                 | <b>90084682</b> | 8H x 6W x 4D in.    | A8P6           |
| A1086CHSCFG                | <b>90084683</b> | 10H x 8W x 6D in.   | A10P8          |
| A12106CHSCFG               | <b>90057394</b> | 12H x 10W x 6D in.  | A12P10         |
| A14128CHSCFG               | <b>90084684</b> | 14H x 12W x 8D in.  | A14P12         |
| A16148CHSCFG               | <b>90084685</b> | 16H x 14W x 8D in.  | A16P14         |
| A181610CHSCFG              | <b>93166462</b> | 18H x 16W x 10D in. | A18P16         |
| <b>Quick-Release Cover</b> |                 |                     |                |
| A664CHQRFQ                 | <b>90084686</b> | 6H x 6W x 4D in.    | A6P6           |
| A864CHQRFQ                 | <b>90084687</b> | 8H x 6W x 4D in.    | A8P6           |
| A1086CHQRFQ                | <b>90084688</b> | 10H x 8W x 6D in.   | A10P8          |
| A12106CHQRFQ               | <b>90084689</b> | 12H x 10W x 6D in.  | A12P10         |
| A14128CHQRFQ               | <b>90084690</b> | 14H x 12W x 8D in.  | A14P12         |
| A16148CHQRFQ               | <b>90084691</b> | 16H x 14W x 8D in.  | A16P14         |
| A181610CHQRFQ              | <b>92143108</b> | 18H x 16W x 10D in. | A18P16         |

### CONCEPT® Wall-Mount Enclosures

Hoffman®

CONCEPT enclosures house and protect sensitive electrical and electronic components from harsh, dirty environments.



#### Features

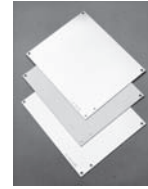
- Body Flange Trough Excludes Liquids and Contaminants
- Hidden Hinges for Clean Appearance
- Panel Mounting Studs Fit Optional CONCEPT Panels
- Mounting Holes in Back of Body for Direct Mounting
- NEMA Type 4, 12 and 13

| Mfg. No.  | Advanced ID | Dimensions          | Interior Panel* |
|-----------|-------------|---------------------|-----------------|
| CSD12126  | 94025724    | 12H x 12W x 6D in.  | CP1212          |
| CSD16126  | 94025723    | 16H x 12W x 6D in.  | CP1612          |
| CSD16128  | 94029977    | 16H x 12W x 8D in.  | CP1612          |
| CSD16166  | 94038204    | 16H x 16W x 6D in.  | CP1616          |
| CSD16168  | 94029979    | 16H x 16W x 8D in.  | CP1616          |
| CSD16208  | 94038199    | 16H x 20W x 8D in.  | CP2016          |
| CSD20166  | 94026508    | 20H x 16W x 6D in.  | CP2016          |
| CSD20168  | 94025722    | 20H x 16W x 8D in.  | CP2016          |
| CSD20206  | 94038202    | 20H x 20W x 6D in.  | CP2020          |
| CSD20208  | 94025721    | 20H x 20W x 8D in.  | CP2020          |
| CSD20248  | 94038198    | 20H x 24W x 8D in.  | CP2420          |
| CSD24168  | 94038197    | 24H x 16W x 8D in.  | CP2416          |
| CSD24208  | 94025720    | 24H x 20W x 8D in.  | CP2420          |
| CSD242412 | 94025716    | 24H x 24W x 12D in. | CP2424          |
| CSD24248  | 94025719    | 24H x 24W x 8D in.  | CP2424          |
| CSD24308  | 94038196    | 24H x 30W x 8D in.  | CP3024          |
| CSD302412 | 94025715    | 30H x 24W x 12D in. | CP3024          |
| CSD30248  | 94025718    | 30H x 24W x 8D in.  | CP3024          |
| CSD30308  | 94038194    | 30H x 30W x 8D in.  | CP3030          |
| CSD36248  | 94038193    | 36H x 24W x 8D in.  | CP3624          |
| CSD363012 | 94027173    | 36H x 30W x 12D in. | CP3630          |
| CSD36308  | 94026509    | 36H x 30W x 8D in.  | CP3630          |
| CSD363612 | 94038188    | 36H x 36W x 12D in. | CP3636          |
| CSD423612 | 94038187    | 42H x 36W x 12D in. | CP4236          |
| CSD483612 | 94027174    | 48H x 36W x 12D in. | CP4836          |

\* Panel ordering information can be found on this page.

### Steel Panels for Type 1, 3R, 4, 4X, 12, 13 Enclosures and CONCEPT® Wall-Mount Enclosures

Hoffman®



| Mfg. No.  | Advanced ID | Dimensions                |
|---|-------------|---------------------------|
| <b>Steel Panels for Type 3R, 4, 4X, 12, 13 Enclosures</b>   |             |                           |
| A16P16  | 88131400    | 13H x 13W in., 12 Gauge   |
| A16P12  | 88131393    | 13H x 9W in., 12 Gauge    |
| A20P16  | 88131475    | 17H x 13W in., 12 Gauge   |
| A20P20  | 88131478    | 17H x 17W in., 12 Gauge   |
| A24P16  | 88131576    | 21H x 13W in., 12 Gauge   |
| A24P20  | 88131577    | 21H x 17W in., 12 Gauge   |
| A24P24  | 88131580    | 21H x 21W in., 12 Gauge   |
| A30P24  | 88131672    | 27H x 21W in., 12 Gauge   |
| A30P30  | 88131675    | 27H x 27W in., 12 Gauge   |
| A36P24  | 88131762    | 33H x 21W in., 12 Gauge   |
| A36P30  | 88131765    | 33H x 37W in., 12 Gauge   |
| A36P36  | 88131768    | 33H x 33W in., 12 Gauge   |
| A42P30  | 88131845    | 39H x 37W in., 12 Gauge   |
| A42P36  | 88131846    | 39H x 33W in., 12 Gauge   |
| A48P36  | 88131907    | 45H x 33W in., 12 Gauge   |
| A60P48  | 88132000    | 56H x 44W in., 10 Gauge   |
| A60P36  | 88131996    | 57H x 33W in., 12 Gauge   |
| A72P72  | 88132122    | 68H x 68W in., 10 Gauge   |
| A12P24  | 88131286    | 9H x 21W in., 12 Gauge    |
| <b>Steel Panels for Type 1 and Small Type 3R Enclosures</b> |             |                           |
| A6N6P   | 88132043    | 4H x 4W in., 14 Gauge     |
| A8N6P   | 88132214    | 6H x 4W in., 14 Gauge     |
| A8N8P   | 88132216    | 6H x 6W in., 14 Gauge     |
| A10N8P  | 88131218    | 8H x 6W in., 14 Gauge     |
| A12N10P   | 88131274    | 10H x 8W in., 14 Gauge    |
| A12N12P   | 88131278    | 10H x 10W in., 14 Gauge   |
| A14N12P   | 88131329    | 12H x 10W in., 14 Gauge   |
| A16N12P   | 88131388    | 14H x 10W in., 14 Gauge   |
| <b>Steel Panels for CONCEPT Wall-Mount Enclosures</b>       |             |                           |
| CP1212  | 94025711    | 10H x 10W in., 14 Gauge   |
| CP1612  | 94025710    | 14H x 10W in., 14 Gauge   |
| CP1616  | 94038136    | 14H x 14W in., 12 Gauge   |
| CP2016  | 94025709    | 18H x 14W in., 12 Gauge   |
| CP2416  | 94038135    | 22H x 14W in., 12 Gauge   |
| CP2020  | 94025708    | 18H x 18W in., 12 Gauge   |
| CP2420  | 94025707    | 22H x 18W in., 12 Gauge   |
| CP2424  | 94025706    | 22H x 22W in., 12 Gauge   |
| CP3024  | 94025705    | 28H x 22W in., 12 Gauge   |
| CP3030  | 94038132    | 28H x 28W in., 12 Gauge   |
| CP3624  | 94038129    | 34H x 22W in., 12 Gauge   |
| CP3630  | 94025704    | 34H x 28W in., 12 Gauge   |
| CP3636  | 94038128    | 34H x 34W in., 12 Gauge   |
| CP4236  | 94038126    | 40H x 34W in., 12 Gauge   |
| CP4836  | 94027156    | 46H x 34W in., 12 Gauge   |
| <b>Steel Panels for Medium Type 1 Enclosure</b>             |             |                           |
| A16N16MP  | 94073109    | 13H x 14.5W in., 14 Gauge |
| A20N16MP  | 94073107    | 17H x 14.5W in., 14 Gauge |
| A20N20MP  | 94073106    | 17H x 18.5W in., 14 Gauge |
| A24N16MP  | 94073105    | 21H x 14.5W in., 14 Gauge |
| A24N20MP  | 94073104    | 21H x 18.5W in., 14 Gauge |
| A24N24MP  | 94073103    | 21H x 22.5W in., 12 Gauge |
| A30N24MP  | 94073102    | 26H x 22.5W in., 12 Gauge |
| A36N24MP  | 94073101    | 32H x 22.5W in., 12 Gauge |
| A36N30MP  | 94073100    | 32H x 28.5W in., 12 Gauge |

## Flush Cover

Hoffman®

Designed to mount on screw cover pull boxes for flush installations.



| Mfg. No. | Advanced ID     | Description   |
|----------|-----------------|---|
| AFE6X6   | <b>88132311</b> | 7.5 x 7.5 in., 16 or 14 Gauge Steel, Fits 6 x 6 enclosure     |
| AFE8X8   | <b>88132313</b> | 9.5 x 9.5 in., 16 or 14 Gauge Steel, Fits 8 x 8 enclosure     |
| AFE12X12 | <b>88132304</b> | 13.5 x 13.5 in., 16 or 14 Gauge Steel, Fits 12 x 12 enclosure |

## Hol-Tite® Oil-Tight Hole Seals

Hoffman®

### Features

- Hole Seals Used to Seal Against Dust, Dirt, Oil and Water
- Available in Steel and Stainless Steel
- Contains Oil Resistant Gasket
- CSA Type 4, Type 4X, Type 12 and Type 13



| Mfg. No.               | Advanced ID     | Description  |
|------------------------|-----------------|--|
| <b>Stainless Steel</b> |                 |  |
| AS050SS                | <b>88132456</b> | For 1/2 in. Conduit Holes, Size 0.88 in., Hol-Tite Diameter 1.38               |
| AS075SS                | <b>88132458</b> | For 3/4 in. Conduit Holes, Size 1.06 in., Hol-Tite Diameter 1.56               |
| AS100SS                | <b>88132460</b> | For 1 in. Conduit Holes, Size 1.38 in., Hol-Tite Diameter 1.88                 |
| AS150SS                | <b>88132464</b> | For 1 1/2 in. Conduit Holes, Size 2.00 in., Hol-Tite Diameter 2.50             |
| AS200SS                | <b>88132466</b> | For 2 in. Conduit Holes, Size 2.50 in., Hol-Tite Diameter 3.00                 |
| ASPSS*                 | <b>88132581</b> | For 30.5 mm Oil Tight Push Button Holes, Size 1.25 in., Hol-Tite Diameter 1.75 |
| <b>Steel</b>           |                 |  |
| AS050                  | <b>88132455</b> | For 1/2 in. Conduit Holes, Size 0.88 in., Hol-Tite Diameter 1.38               |
| AS075                  | <b>88132457</b> | For 3/4 in. Conduit Holes, Size 1.06 in., Hol-Tite Diameter 1.56               |
| AS100                  | <b>88132459</b> | For 1 in. Conduit Holes, Size 1.38 in., Hol-Tite Diameter 1.88                 |
| AS150                  | <b>88132463</b> | For 1 1/2 in. Conduit Holes, Size Size 2.00 in., Hol-Tite Diameter 2.50        |
| AS200                  | <b>88132465</b> | For 2 in. Conduit Holes, Size Size 2.50 in., Hol-Tite Diameter 3.00            |
| AS250                  | <b>88132467</b> | For 2 1/2 in. Conduit Holes, Size 3.00 in., Hol-Tite Diameter 3.50             |
| AS300                  | <b>88132468</b> | For 3 in. Conduit Holes, Size 3.62 in., Hol-Tite Diameter 4.12                 |
| AS350                  | <b>88132469</b> | For 3 1/2 in. Conduit Holes, Size 4.12 in., Hol-Tite Diameter 4.62             |
| AS400                  | <b>88132470</b> | For 4 in. Conduit Holes, Size 4.62 in., Hol-Tite Diameter 5.12                 |
| ASPB*                  | <b>88132578</b> | For 30.5 mm Oil Tight Push Button Holes, Size 1.25 in., Hol-Tite Diameter 1.75 |

\* Sealing hole for NEMA dimension control units

### Precast Polymer Concrete

Quazite®



PG BOX



PC BOX

#### Benefits

- Lightweight  $\frac{1}{10}$  to  $\frac{1}{3}$  the Weight of Concrete
- High Strength Compressive, Flexural and Tensile Strengths Three to Five Times Higher than Traditional Concrete
- Reduced Installation Costs, Easy to Handle, No Special Equipment Required
- Stable Under Freeze/Thaw Conditions
- Impact Resistant Tested per ASTM D-2444
- Low Water Absorption Less than 1% per ASTM D-570
- Corrosion Resistant, Resistant to Alkalines, Acids, Weathering and Other Forms of Deterioration
- Cost Effective, Outperforms Conventional Materials for Longer Service and Lower Life Cycle Costs
- Nonflammable, Will Not Support Combustion
- Non-conductive, No Grounding Required For the Box or Cover

#### Features

- UL Listed
- CA Style Covers are Designed to Bolt Down
- CG Style Covers Bolt Down with Gasket
- PG Style Boxes - For Use as a Splice, Pull, or Equipment Enclosure or for Any Application Requiring Easy Access to an Underground Service. Stackable for Increased Depth. Straight Sides for Easy Adjustment of Box to Grade
- PC Style Boxes - Straight Sides Permit Easy Movement of Box Should Grade Level Change. Gasketing Also Available. All Sizes are Stackable

| Mfg. No.       | Advanced ID     | Load Rating                      | Dimensions  | Weight | Markings | Brand or Series |
|----------------|-----------------|----------------------------------|---|--------|----------|-----------------|
| <b>6 x 8</b>   |                 |                                  |   |        |          |                 |
| <b>Cover</b>   |                 |                                  |   |        |          |                 |
| PC0608CA0017   | <b>94047741</b> | 8,000 lb Design, 12,000 lb Test  | $7\frac{3}{8} \times 9\frac{3}{8} \times \frac{3}{4}$     | 4 lb   | Electric | PC Series       |
| <b>Box</b>     |                 |                                  |   |        |          |                 |
| PC0608BA06     | <b>94047739</b> | 8,000 lb Design, 12,000 lb Test  | $9 \times 11 \times 6\frac{3}{4}$                         | 12 lb  | -        | PC Series       |
| <b>11 x 18</b> |                 |                                  |   |        |          |                 |
| <b>Cover</b>   |                 |                                  |   |        |          |                 |
| PG1118CA0017   | <b>94045688</b> | 8,000 lb Design, 12,000 lb Test  | $11\frac{1}{4} \times 18\frac{1}{8} \times 1\frac{3}{4}$  | 27 lb  | Electric | PG Series       |
| PC1118CA0017   | <b>90000258</b> | 8,000 lb Design, 12,000 lb Test  | $11\frac{1}{2} \times 18\frac{1}{2} \times \frac{3}{4}$   | 13 lb  | Electric | PC Series       |
| <b>Box</b>     |                 |                                  |   |        |          |                 |
| PG1118BA12     | <b>93150215</b> | 15,000 lb Design, 22,568 lb Test | $13\frac{3}{8} \times 20\frac{1}{4} \times 12\frac{3}{4}$ | 36 lb  | -        | PG Series       |
| PC1118BA12     | <b>89005018</b> | 15,000 lb Design, 22,568 lb Test | $13\frac{1}{2} \times 20\frac{1}{2} \times 12\frac{3}{4}$ | 31 lb  | -        | PC Series       |
| <b>12 x 12</b> |                 |                                  |   |        |          |                 |
| <b>Cover</b>   |                 |                                  |   |        |          |                 |
| PC1212CA0009   | <b>90056603</b> | 8,000 lb Design, 12,000 lb Test  | $12\frac{7}{8} \times 12\frac{7}{8} \times \frac{3}{4}$   | 12 lb  | Blank    | PC Series       |
| PC1212CA0017   | <b>90003647</b> | 8,000 lb Design, 12,000 lb Test  | $12\frac{7}{8} \times 12\frac{7}{8} \times \frac{3}{4}$   | 12 lb  | Electric | PC Series       |
| <b>Box</b>     |                 |                                  |   |        |          |                 |
| PC1212BA12     | <b>89005028</b> | 15,000 lb Design, 22,568 lb Test | $14\frac{3}{4} \times 14\frac{3}{4} \times 12\frac{3}{4}$ | 31 lb  | -        | PC Series       |
| <b>13 x 24</b> |                 |                                  |   |        |          |                 |
| <b>Cover</b>   |                 |                                  |   |        |          |                 |
| PC1324CA0009   | <b>90056605</b> | 5,000 lb Design, 7,500 lb Test   | $13\frac{3}{4} \times 23\frac{1}{4} \times 2$             | 23 lb  | Blank    | PC Series       |
| PG1324CA0017   | <b>90056608</b> | 8,000 lb Design, 12,000 lb Test  | $13\frac{3}{4} \times 23\frac{1}{4} \times 3$             | 32 lb  | Electric | PG Series       |
| PC1324CA0017   | <b>90003651</b> | 5,000 lb Design, 7,500 lb Test   | $13\frac{3}{4} \times 23\frac{1}{4} \times 4$             | 23 lb  | Electric | PC Series       |

Continued ➤



## Precast Polymer Concrete

Quazite®

| Mfg. No.       | Advanced ID     | Load Rating                      | Dimensions   | Weight | Markings       | Brand or Series |
|----------------|-----------------|----------------------------------|--|--------|----------------|-----------------|
| <b>13 x 24</b> |                 |                                  |  |        |                |                 |
| <b>Box</b>     |                 |                                  |  |        |                |                 |
| PG1324BA18     | <b>89005017</b> | 22,568 lb Design, 33,852 lb Test | 15 <sup>1</sup> / <sub>2</sub> x 25 x 18   | 62 lb  | -              | PG Series       |
| PG1324BA12     | <b>89005016</b> | 22,568 lb Design, 33,852 lb Test | 15 <sup>1</sup> / <sub>2</sub> x 25 x 12   | 53 lb  | -              | PG Series       |
| PC1324BA12     | <b>89005026</b> | 5,000 lb Design, 7,500 lb Test   | 12 x 27 <sup>1</sup> / <sub>4</sub> x 16 <sup>1</sup> / <sub>4</sub>                             | 50 lb  | -              | PC Series       |
| <b>17 x 30</b> |                 |                                  |  |        |                |                 |
| <b>Cover</b>   |                 |                                  |  |        |                |                 |
| PG1730CA0009   | <b>90056596</b> | 8,000 lb Design, 12,000 lb Test  | 17 <sup>1</sup> / <sub>2</sub> x 30 <sup>1</sup> / <sub>2</sub> x 2                              | 52 lb  | Blank          | PG Series       |
| PG1730CA0012   | <b>94056616</b> | 8,000 lb Design, 12,000 lb Test  | 17 <sup>1</sup> / <sub>2</sub> x 30 <sup>1</sup> / <sub>2</sub> x 2                              | 52 lb  | Communications | PG Series       |
| PG1730CA0017   | <b>90056595</b> | 8,000 lb Design, 12,000 lb Test  | 17 <sup>1</sup> / <sub>2</sub> x 30 <sup>1</sup> / <sub>2</sub> x 2                              | 52 lb  | Electric       | PG Series       |
| PC1730CA0009   | <b>91011094</b> | 5,000 lb Design, 7,500 lb Test   | 17 <sup>1</sup> / <sub>2</sub> x 30 <sup>1</sup> / <sub>2</sub> x 2                              | 33 lb  | Blank          | PC Series       |
| <b>Box</b>     |                 |                                  |  |        |                |                 |
| PG1730BA24     | <b>94070839</b> | 22,568 lb Design, 33,852 lb Test | 19 <sup>1</sup> / <sub>4</sub> x 32 <sup>1</sup> / <sub>4</sub> x 24                             | 122 lb | -              | PG Series       |
| PG1730BA18     | <b>89005002</b> | 15,000 lb Design, 22,568 lb Test | 18 <sup>1</sup> / <sub>2</sub> x 32 <sup>1</sup> / <sub>4</sub> x 19 <sup>1</sup> / <sub>4</sub> | 94 lb  | -              | PG Series       |
| PC1730BA12     | <b>89005011</b> | 5,000 lb Design, 7,500 lb Test   | 20 <sup>1</sup> / <sub>8</sub> x 33 <sup>1</sup> / <sub>8</sub> x 12                             | 58 lb  | -              | PC Series       |
| <b>24 x 36</b> |                 |                                  |  |        |                |                 |
| <b>Cover</b>   |                 |                                  |  |        |                |                 |
| PG2436CA0009   | <b>89050931</b> | 8,000 lb Design, 12,000 lb Test  | 24 x 35 <sup>5</sup> / <sub>8</sub> x 3  | 100 lb | Blank          | PG Series       |
| PG2436CA0012   | <b>97117479</b> | 8,000 lb Design, 12,000 lb Test  | 24 x 35 <sup>5</sup> / <sub>8</sub> x 3  | 100 lb | Communications | PG Series       |
| PG2436CA0017   | <b>90056597</b> | 8,000 lb Design, 12,000 lb Test  | 24 x 35 <sup>5</sup> / <sub>8</sub> x 3  | 100 lb | Electric       | PG Series       |
| <b>Box</b>     |                 |                                  |  |        |                |                 |
| PG2436BA30     | <b>89004989</b> | 22,568 lb Design, 33,852 lb Test | 26 x 37 <sup>5</sup> / <sub>8</sub> x 30   | 196 lb | -              | PG Series       |
| PG2436BA24     | <b>89004988</b> | 22,568 lb Design, 33,852 lb Test | 26 x 37 <sup>5</sup> / <sub>8</sub> x 24   | 180 lb | -              | PG Series       |
| PG2436BA18     | <b>89005007</b> | 22,568 lb Design, 33,852 lb Test | 26 x 37 <sup>5</sup> / <sub>8</sub> x 18   | 151 lb | -              | PG Series       |
| <b>24 x 36</b> |                 |                                  |  |        |                |                 |
| <b>Cover</b>   |                 |                                  |  |        |                |                 |
| PG3048CA0012   | <b>97250332</b> | 8,000 lb Design, 12,000 lb Test  | 17 <sup>1</sup> / <sub>2</sub> x 30 <sup>1</sup> / <sub>2</sub> x 2                              | 159 lb | Communications | PG Series       |
| <b>Box</b>     |                 |                                  |  |        |                |                 |
| PG3048BA18     | <b>89004993</b> | 22,568 lb Design, 33,852 lb Test | 32 <sup>1</sup> / <sub>8</sub> x 49 <sup>5</sup> / <sub>8</sub> x 18                             | 185 lb | -              | PG Series       |



### Flammable Liquid Safety Storage Cabinet

Lyon Workspace Products

All welded, 18 gauge, reinforced double wall with 1½ in. air space, 2 in. flame arrestor vents, flammable liquid storage cabinet. Yellow color indicates flammable liquids.

#### Features

- Leak Proof 2 in. Pan Bottom Prevents Leakage
- Ribbed Galvanized Shelf Holds Up to 350 Pounds
- Doors Include 3 Point Latching Device
- Build In Key Lock
- Ground Wire Connections
- Dual Vents with 2 in. Threaded Fittings Have Fire Baffle and Cap
- Large Warning Labels on Door
- Shelf Adjust Every ½ in.
- 4 Adjustable Zinc Plated Leveling Legs



| Mfg. No. | Advanced ID | Features           | Size                | Type                                |
|----------|-------------|--------------------|---------------------|-------------------------------------|
| 5440N    | 22114853    | Self-Closing Doors | 43W x 18D x 44H in. | One Shelf Cabinet                   |
| 5441N    | 22114854    | Self-Closing Doors | 43W x 18D x 65H in. | Two Shelf Cabinet                   |
| 5449N    | 22114855    | Ribbed             | 43W x 18D in.       | Single Galvanized Heavy Gauge Shelf |

### All Welded Storage Cabinets

Lyon Workspace Products

All welded, 14 gauge steel storage cabinets with plastic part bins. Safety yellow plastic bins clip on racks on door and cabinet. Doors have padlock hasp and heavy duty 5/16 in. brass pin hinges welded to doors. Payload capacity of 1450 pounds per shelf.

#### Features

- Cabinets have Welded on Legs for Forklift Access
- Includes One Full-Width (36W x 21D) Shelf
- 3 Half-Shelves Adjustable on 3 in. Centers
- 50 Small (4½W x 5¾D x 3H) Door Bins
- 14 Large (8¼W x 14¾ x 7H) Cabinet Bins
- Die Cast Handles with ¾ in. Thick Padlock Hasp
- 3 Point Locking System on Doors
- 4 Colors Available; Dove Gray (DD), Putty (PP), Wedgewood Blue (BB), Black (KK)



| Mfg. No. | Advanced ID | Dimensions          | Features                  | Number of Shelves           |
|----------|-------------|---------------------|---------------------------|-----------------------------|
| 1122     | 22114851    | 36W x 21D x 82H in. | 14 Gauge Shelf with Bolts | 3 Half Shelves and One Full |
| 1163     | 22114852    | 14W x 18¾D in.      | 14 Gauge Shelf with Bolts | Extra Single Shelf          |

## Heavy Duty Storage Cabinets

### Lyon Workspace Products

Extra heavy duty, all welded, 14 gauge steel storage cabinets. Doors have padlock hasp and heavy duty  $\frac{5}{16}$  in. brass pin hinges welded to doors. Payload capacity of 1450 pounds per shelf. Adjustable shelves.

#### Features

- Cabinets have Welded on Legs for Forklift Access
- Shelves Adjust on 3 in. Centers
- Die Cast Handles with  $\frac{3}{8}$  in. Thick Padlock Hasp
- 3 Point Locking System on Doors
- 4 Colors Available; Dove Gray (DD), Putty (PP), Wedgewood Blue (BB), Black (KK)



| Mfg. No. | Advanced ID              | Dimensions          | Features                  | Number of Shelves    |
|----------|--------------------------|---------------------|---------------------------|----------------------|
| 1112     | <a href="#">22114848</a> | 36W x 21D x 64H in. | Fully Assembled           | 3 Adjustable Shelves |
| 1114     | <a href="#">22114849</a> | 36W x 21D x 82H in. | Fully Assembled           | 4 Adjustable Shelves |
| 1116-1   | <a href="#">22114850</a> | 36W x 21D in.       | 14 Gauge Shelf with Bolts | Extra Single         |

## Platinum Series Modular Drawer Cabinet

### Lyon Workspace Products

Counter high steel drawer cabinet with multiple drawer access. 400 pounds per drawer capacity with 7 drawers. Various drawer heights and divider combinations.

#### Features

- Cabinet Includes Standard Lock and Anchoring Kit
- Wider Base for Forklift Access
- 15 Drawer Height Combinations
- 7 Drawer Divider Combinations
- Drawer Layout Kits Included but Not Installed
- 7 Standard Colors
- 49 Combinations for Cabinet and Drawers



| Mfg. No.    | Advanced ID              | Dimensions                         | Features              | Number of Shelves           |
|-------------|--------------------------|------------------------------------|-----------------------|-----------------------------|
| 241-490-E-1 | <a href="#">22118494</a> | 30W x 27D x 44 $\frac{1}{2}$ H in. | Flexible combinations | 7 Drawers, 137 Compartments |

## ENP Series Explosion-proof Straight-Blade Plugs

### Cooper Crouse-Hinds

Use with Crouse-Hinds ENR Series receptacles, as well as with 20A cable connectors and NEMA 5-15R, 5-20R or 6-20R receptacles in nonclassified areas.

#### Features

- Ideal for Damp or Corrosive Environments or Areas with Flammable Gases
- Includes Extra Grounding Pole
- Compliant with ANSI/UL Standard 1010



| Mfg. No. | Advanced ID              | Wiring Configuration | Voltage Rating | Type | Cord Diameter | Amp Rating |
|----------|--------------------------|----------------------|----------------|------|---------------|------------|
| ENP5151  | <a href="#">88071375</a> | -                    | 125V           | Male | -             | 15         |
| ENP5201  | <a href="#">88071376</a> | -                    | 125V           | Male | -             | 20         |
| ENP6152  | <a href="#">88071377</a> | -                    | 250V           | Male | -             | 15         |
| ENP6202  | <a href="#">88071378</a> | -                    | 250V           | Male | -             | 20         |

### Pin and Sleeve Plugs

Hubbell Wiring Device-Kellems

Hubbell Pin and Sleeve plugs are designed and manufactured to meet the IEC60903 standards. Constructed with an insulated non-metallic housing and a non-interchangeable singly rated configuration for various voltages.



| Mfg. No.    | Advanced ID              | Wiring Configuration | Voltage Rating* | Type           | Cord Diameter                   | Amp Rating |
|-------------|--------------------------|----------------------|-----------------|----------------|---------------------------------|------------|
| HBL320P4W   | <a href="#">88126645</a> | 2-Pole 3-Wire        | 125 V           | Watertight IEC | .330 - .830 (8.4 - 21.1) in.    | 20         |
| HBL330P4W   | <a href="#">88126670</a> | 2-Pole 3-Wire        | 125 V           | Watertight IEC | .375 - 1.250 (9.5 - 31.8) in.   | 30         |
| HBL330P6W   | <a href="#">88126672</a> | 2-Pole 3-Wire        | 250 V AC        | Watertight IEC | .375 - 1.250 (9.5 - 31.8) in.   | 30         |
| HBL330P7W   | <a href="#">88126673</a> | 2-Pole 3-Wire        | 480 V AC        | Watertight IEC | .375 - 1.250 (9.5 - 31.8) in.   | 30         |
| HBL360P4W   | <a href="#">88126750</a> | 2-Pole 3-Wire        | 125 V           | Watertight IEC | .500 - 1.450 (12.7 - 36.8) in.  | 60         |
| HBL360P6W   | <a href="#">88126752</a> | 2-Pole 3-Wire        | 250 V AC        | Watertight IEC | .500 - 1.450 (12.7 - 36.8) in.  | 60         |
| HBL360P7W   | <a href="#">88126753</a> | 2-Pole 3-Wire        | 480 V AC        | Watertight IEC | .500 - 1.450 (12.7 - 36.8) in.  | 60         |
| HBL420P7W   | <a href="#">88126823</a> | 3-Pole 4-Wire        | 3Ø 480 V AC     | Watertight IEC | .375 - 1.250 (9.5 - 31.8) in.   | 20         |
| HBL420P9W   | <a href="#">88126824</a> | 3-Pole 4-Wire        | 3Ø 250V AC      | Watertight IEC | .375 - 1.250 (9.5 - 31.8) in.   | 20         |
| HBL430P7W   | <a href="#">88126842</a> | 3-Pole 4-Wire        | 3Ø 480 V AC     | Watertight IEC | .375 - 1.250 (9.5 - 31.8) in.   | 30         |
| HBL430P9W   | <a href="#">88126843</a> | 3-Pole 4-Wire        | 3Ø 250 V AC     | Watertight IEC | .375 - 1.250 (9.5 - 31.8) in.   | 30         |
| HBL430P12W  | <a href="#">88126840</a> | 3-Pole 4-Wire        | 125 / 250 V     | Watertight IEC | .375 - 1.250 (9.5 - 31.8) in.   | 30         |
| HBL460P7W   | <a href="#">88126934</a> | 3-Pole 4-Wire        | 3Ø 480 V AC     | Watertight IEC | .500 - 1.450 (12.7 - 36.8) in.  | 60         |
| HBL460P9W   | <a href="#">88126935</a> | 3-Pole 4-Wire        | 3Ø 250 V AC     | Watertight IEC | .500 - 1.450 (12.7 - 36.8) in.  | 60         |
| HBL460P12W  | <a href="#">88126932</a> | 3-Pole 4-Wire        | 125 / 250 V     | Watertight IEC | .500 - 1.450 (12.7 - 36.8) in.  | 60         |
| HBL520P7W   | <a href="#">88127038</a> | 4-Pole 5-Wire        | 3Ø 277/480 V AC | Watertight IEC | .375 - 1.250 (9.5 - 31.8) in.   | 20         |
| HBL520P9W   | <a href="#">88127039</a> | 4-Pole 5-Wire        | 3Ø 120/208 V AC | Watertight IEC | .375 - 1.250 (9.5 - 31.8) in.   | 20         |
| HBL530P9W   | <a href="#">88127147</a> | 4-Pole 5-Wire        | 3Ø 120/208 V AC | Watertight IEC | .500 - 1.450 (12.7 - 36.8) in.  | 30         |
| HBL560P7W   | <a href="#">88127243</a> | 4-Pole 5-Wire        | 3Ø 277/480 V AC | Watertight IEC | .500 - 1.450 (12.7 - 36.8) in.  | 60         |
| HBL560P9W   | <a href="#">88127244</a> | 4-Pole 5-Wire        | 3Ø 120/208 V AC | Watertight IEC | .500 - 1.450 (12.7 - 36.8) in.  | 60         |
| HBL3100P4W  | <a href="#">88126611</a> | 2-Pole 3-Wire        | 125 V           | Watertight IEC | 1.065 - 1.940 (27.1 - 49.3) in. | 100        |
| HBL3100P6W  | <a href="#">88126613</a> | 2-Pole 3-Wire        | 250 V AC        | Watertight IEC | 1.065 - 1.940 (27.1 - 49.3) in. | 100        |
| HBL3100P7W  | <a href="#">88126614</a> | 2-Pole 3-Wire        | 480 V AC        | Watertight IEC | 1.065 - 1.940 (27.1 - 49.3) in. | 100        |
| HBL4100P7W  | <a href="#">88126794</a> | 3-Pole 4-Wire        | 3Ø 480 V AC     | Watertight IEC | 1.065 - 1.940 (27.1 - 49.3) in. | 100        |
| HBL4100P9W  | <a href="#">88126795</a> | 3-Pole 4-Wire        | 3Ø 250 V AC     | Watertight IEC | 1.065 - 1.940 (27.1 - 49.3) in. | 100        |
| HBL4100P12W | <a href="#">88126792</a> | 3-Pole 4-Wire        | 125 / 250 V     | Watertight IEC | 1.065 - 1.940 (27.1 - 49.3) in. | 100        |
| HBL5100P7W  | <a href="#">88127013</a> | 4-Pole 5-Wire        | 3Ø 277/480 V AC | Watertight IEC | 1.065 - 1.940 (27.1 - 49.3) in. | 100        |
| HBL5100P9W  | <a href="#">88127014</a> | 4-Pole 5-Wire        | 3Ø 120/208 V AC | Watertight IEC | 1.065 - 1.940 (27.1 - 49.3) in. | 100        |

\*1Ø, Unless Otherwise Noted

### Pin and Sleeve Accessories

Hubbell Wiring Device-Kellems

Every Hubbell Pin and Sleeve Product is designed and manufactured to meet the most stringent standards. Initially, the IEC60903 and now the new Insulgrip series is the product to select when mixing water and electricity.

#### Features

- IEC Watertight Pin and Sleeve Closure Gap
- Captive Lanyard



| Mfg. No.            | Advanced ID              | For Use With                             |
|---------------------|--------------------------|--|
| <b>Back Box</b>     |                          |  |
| BB301W              | <a href="#">88128130</a> | Fits 20 & 30A IEC Receptacles and Inlets |
| BB602W              | <a href="#">88128132</a> | Fits 60A IEC Receptacles and Inlets      |
| BB1002W             | <a href="#">88128128</a> | Fits 100A IEC Receptacles and Inlets     |
| <b>Closure Caps</b> |                          |  |
| PC100               | <a href="#">92142584</a> | Fits All 100A Plugs and Inlets           |
| PC320               | <a href="#">92142583</a> | Fits All 20A 3-Wire Plugs and Inlets     |
| PC3430              | <a href="#">92142580</a> | Fits All 30A 3 & 4-Wire Plugs and Inlets |
| PC420               | <a href="#">92142581</a> | Fits All 20A 4-Wire Plugs and Inlets     |
| PC520               | <a href="#">92142579</a> | Fits All 20A 5-Wire Plugs and Inlets     |
| PC530               | <a href="#">92142578</a> | Fits All 30A 5-Wire Plugs and Inlets     |
| PC60                | <a href="#">92142582</a> | Fits All 60A Plugs and Inlets            |

## Pin and Sleeve Connector Bodies

Hubbell Wiring Device-Kellems



Hubbell connector bodies are designed and manufactured to meet the IEC60903 standards. Constructed with an insulated non-metallic housing and a non-interchangeable singly rated configuration for various voltages.

| Mfg. No.                    | Advanced ID              | Wiring Configuration | Voltage Rating* | Cord Diameter (in.) | Color  |
|-----------------------------|--------------------------|----------------------|-----------------|---------------------|--------|
| <b>20A; Watertight IEC</b>  |                          |                      |                 |                     |        |
| HBL320C4W                   | <a href="#">88126640</a> | 2-Pole 3 Wire        | 125V            | .330 - .830         | Yellow |
| HBL420C9W                   | <a href="#">88126820</a> | 3-Pole 4-Wire        | 3Ø 250V AC      | .375 - 1.250        | Blue   |
| HBL420C7W                   | <a href="#">88126819</a> | 3-Pole 4-Wire        | 3Ø 480V AC      | .375 - 1.250        | Red    |
| <b>30A; Watertight IEC</b>  |                          |                      |                 |                     |        |
| HBL330C6W                   | <a href="#">88126666</a> | 2-Pole 3 Wire        | 250V AC         | .375 - 1.250        | Blue   |
| HBL430C9W                   | <a href="#">88126839</a> | 3-Pole 4-Wire        | 3Ø 250 V AC     | .375 - 1.250        | Blue   |
| HBL430C7W                   | <a href="#">88126838</a> | 3-Pole 4-Wire        | 3Ø 480 V AC     | .375 - 1.250        | Red    |
| <b>60A; Watertight IEC</b>  |                          |                      |                 |                     |        |
| HBL360C6W                   | <a href="#">88126747</a> | 2-Pole 3 Wire        | 250V AC         | .500 - 1.450        | Blue   |
| HBL460C12W                  | <a href="#">88126928</a> | 3-Pole 4-Wire        | 125 / 250V      | .500 - 1.450        | Orange |
| HBL460C9W                   | <a href="#">88126931</a> | 3-Pole 4-Wire        | 3Ø 250V AC      | .500 - 1.450        | Blue   |
| HBL460C7W                   | <a href="#">88126930</a> | 3-Pole 4-Wire        | 3Ø 480V AC      | .500 - 1.450        | Red    |
| HBL560C9W                   | <a href="#">88127241</a> | 4-Pole 5-Wire        | 3Ø 120/208V AC  | .500 - 1.450        | Blue   |
| HBL560C7W                   | <a href="#">88127240</a> | 4-Pole 5-Wire        | 3Ø 277/480V AC  | .500 - 1.450        | Red    |
| <b>100A; Watertight IEC</b> |                          |                      |                 |                     |        |
| HBL4100C12W                 | <a href="#">88126787</a> | 3-Pole 4-Wire        | 125/250V AC     | 1.065 - 1.940       | Orange |
| HBL4100C9W                  | <a href="#">88126791</a> | 3-Pole 4-Wire        | 3Ø 250V AC      | 1.065 - 1.940       | Blue   |
| HBL4100C7W                  | <a href="#">88126790</a> | 3-Pole 4-Wire        | 3Ø 480V AC      | 1.065 - 1.940       | Red    |
| HBL5100C9W                  | <a href="#">88127014</a> | 4-Pole 5-Wire        | 3Ø 120/208V AC  | 1.065 - 1.940       | Blue   |
| HBL5100C7W                  | <a href="#">88127010</a> | 4-Pole 5-Wire        | 3Ø 277/480V AC  | 1.065 - 1.940       | Red    |

\*1Ø, Unless Otherwise Noted

### Arktite® 20A - 100A Heavy-Duty Circuit Breaking Housings

Cooper Crouse-Hinds

#### Features

- Receptacles and Plugs can Only be Mated if They are of the Same Ampere Rating
- Extra Wide Electrical Spacing Insures Maximum Safety
- Rated 600V AC/250V DC
- Constructed of High-Impact, Copper-Free Aluminum with Natural Finish
- Reversible Interiors Make it Possible to Feed Normally Deenergized Receptacles from an Energized Plug
- UL 1682 and CSA C22.2 No. 182.1



| Mfg. No.                        | Advanced ID | Pole | Wire | Cable Diameter |
|---------------------------------|-------------|------|------|----------------|
| <b>20A Receptacle Housings</b>  |             |      |      |                |
| AR227                           | 88068457    | 2    | 2    | -              |
| <b>30A Receptacle Housings</b>  |             |      |      |                |
| AR331                           | 88068462    | 3    | 3    | -              |
| AR341                           | 88068468    | 4    | 4    | -              |
| AR342                           | 88068469    | 4    | 3    | -              |
| AR351                           | 88068474    | 5    | 5    | -              |
| <b>60A Receptacle Housings</b>  |             |      |      |                |
| AR631                           | 88068501    | 3    | 3    | -              |
| AR642                           | 88068521    | 4    | 3    | -              |
| AR641                           | 88068518    | 4    | 4    | -              |
| <b>100A Receptacle Housings</b> |             |      |      |                |
| AR1031                          | 88068431    | 3    | 3    | -              |
| AR1041                          | 88068438    | 4    | 4    | -              |
| AR1042                          | 88068440    | 4    | 3    | -              |

### Arktite® 20A - 100A Heavy-Duty Circuit Breaking Plugs & Connectors

Cooper Crouse-Hinds

#### Features

- Used in Indoor, Outdoor and Non-Hazardous Areas
- Easily Wired Interior Assemblies in Receptacles and Plugs
- Used Wherever Portable or Temporary Power is Needed



| Mfg. No.                               | Advanced ID | Pole | Wire | Cable Diameter |
|--|-------------|------|------|----------------|
| <b>20A Plug without Fastening Ring</b> |             |      |      |                |
| APJ2251                                | 88068318    | 2    | 2    | .250-.500      |
| <b>20A Plug with Fastening Ring</b>    |             |      |      |                |
| APJ2273                                | 88068321    | 2    | 2    | .500-.875      |
| <b>30A Plug</b>                        |             |      |      |                |
| APJ3375                                | 88068323    | 3    | 3    | .600-1.200     |
| APJ3385                                | 88068324    | 3    | 2    | .600-1.200     |
| APJ3475                                | 88068325    | 4    | 4    | .600-1.200     |
| APJ3485                                | 88068326    | 4    | 3    | .600-1.200     |
| <b>30A Connector</b>                   |             |      |      |                |
| APR3363                                | 88068400    | 3    | 2    | .500-.880      |
| APR3453                                | 88068402    | 4    | 4    | .500-.880      |
| APR3455                                | 88068403    | 4    | 4    | .870-1.020     |
| APR3463                                | 88068404    | 4    | 3    | .500-.880      |
| APR3465                                | 88068405    | 4    | 3    | .870-1.020     |
| <b>60A Plug</b>                        |             |      |      |                |
| APJ6375                                | 88068333    | 3    | 3    | .750-1.450     |
| APJ6385                                | 88068335    | 3    | 2    | .750-1.450     |
| APJ6475                                | 88068336    | 4    | 4    | .750-1.450     |
| APJ6485                                | 88068338    | 4    | 3    | .750-1.450     |
| <b>60A Plug - Reverse Service</b>      |             |      |      |                |
| APJ6585                                | 88068341    | 5    | 4    | .750-1.450     |
| <b>60A Connector</b>                   |             |      |      |                |
| APR6355                                | 88068421    | 3    | 3    | .870-1.370     |
| APR6455                                | 88068425    | 4    | 4    | .870-1.370     |
| APR6463                                | 88068426    | 4    | 3    | .700-.880      |
| APR6465                                | 88068427    | 4    | 3    | .870-1.370     |
| <b>100A Plug</b>                       |             |      |      |                |
| APJ10377                               | 88068311    | 3    | 3    | 1.000-1.700    |
| APJ10477                               | 88068314    | 4    | 4    | 1.000-1.700    |
| APJ10487                               | 88068316    | 4    | 3    | 1.000-1.700    |
| <b>100A Connector</b>                  |             |      |      |                |
| APR10457                               | 88068367    | 3    | 3    | 1.370-1.500    |
| APR10465                               | 88068368    | 4    | 3    | 1.000-1.700    |
| APR10467                               | 88068369    | 4    | 3    | 1.370-1.500    |

### Arktite® 20A - 100A Heavy-Duty Circuit Breaking Receptacle Assembly

Cooper Crouse-Hinds

#### Features

- Spring-Door Receptacle Assembly that Includes Back Box



| Mfg. No.  | Advanced ID | Pole | Wire | Cable Diameter |
|---|-------------|------|------|----------------|
| <b>30A Receptacle Assembly with ARE Series Back Box 3/4 Hub</b>   |             |      |      |                |
| ARE3422   | 88068591    | 4    | 3    | -              |
| <b>60A Receptacle Assembly with ARE Series Back Box 1 1/4 Hub</b> |             |      |      |                |
| AREA6424  | 88068714    | 3    | 4    | -              |
| ARE6414   | 88068628    | 4    | 4    | -              |
| ARE6424   | 88068630    | 4    | 3    | -              |
| <b>60A Receptacle Assembly with AJ Series Back Box 1 1/2 Hub</b>  |             |      |      |                |
| AREA6425  | 88068715    | 3    | 4    | -              |
| <b>100A Receptacle Assembly with AJ Series Back Box*</b>          |             |      |      |                |
| AREA10415   | 88068658    | 4    | 4    | -              |
| AREA10416   | 88068659    | 4    | 4    | -              |
| AREA10425   | 88068660    | 4    | 3    | -              |

\*AREA10415 & AREA10425 Hub size is 1 1/2 in. and AREA10416 hub size is 2 in.



### Arktite® Heavy Duty Circuit Breaking Plugs & Connectors

Cooper Crouse-Hinds

Features

- Grounding Contact Termination Will Accommodate Same Size Conductor as Phase Wire
- Spring Band Contact Design Provides Multiple Points of Electrical Contact for Improved Electrical Reliability
- Crimp/Solder Type Contact are Standard
- Self-Closing Spring Doors on Connectors and Receptacles Provide Environmental Sealing
- 400A Devices are Intended for Disconnect Use Only
- Constructed of High-Impact, Copper-Free Aluminum with Natural Finish
- Rated 600V AC/250V DC
- UL 1682 and CSA C22.2 No. 182.1



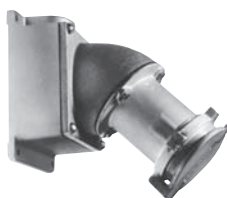
| Mfg. No.                           | Advanced ID | Pole | Wire | Cable Diameter |
|------------------------------------|-------------|------|------|----------------|
| <b>200A Plugs</b>                  |             |      |      |                |
| AP20457                            | 88068241    | 4    | 4    | 1.375-1.875    |
| AP20458                            | 88068243    | 4    | 4    | 1.875-2.500    |
| AP20468                            | 88068251    | 4    | 3    | 1.875-2.500    |
| AP20467                            | 88068249    | 4    | 3    | 1.375-1.875    |
| <b>200A Connectors</b>             |             |      |      |                |
| APR204212                          | 88068390    | 4    | 4    | 1.875-2.500    |
| APR20427                           | 88068392    | 4    | 3    | 1.375-1.875    |
| <b>400A Plug - Reverse Service</b> |             |      |      |                |
| AP40458                            | 88068264    | 4    | 4    | 1.857-2.500    |

### Arktite® Heavy Duty Circuit Breaking Receptacle Assembly

Cooper Crouse-Hinds

Features

- Spring-Door Receptacle Assembly that Includes Back Box



| Mfg. No.   | Advanced ID | Pole | Wire | Cable Diameter |
|--|-------------|------|------|----------------|
| <b>200A Receptacle Assembly with AJ Back Box and Angle Adapter 2 in. Hub</b> |             |      |      |                |
| AREA204126   | 88068683    | 4    | 4    | .75            |
| AREA20416  | 88068685    | 4    | 4    | .56            |

### Arktite® Heavy Duty Circuit Breaking Receptacle Housings

Cooper Crouse-Hinds



| Mfg. No.                        | Advanced ID | Pole | Wire | Cable Diameter |
|---------------------------------|-------------|------|------|----------------|
| <b>200A Receptacle Housings</b> |             |      |      |                |
| AR2041                          | 88068449    | 4    | 4    | -              |
| AR2042                          | 88068452    | 4    | 3    | -              |
| <b>400A Receptacle Housings</b> |             |      |      |                |
| AR4042                          | 88068486    | 4    | 4    | -              |
| AR40422                         | 88068487    | 4    | 3    | -              |

### AR and AJ Series Back Boxes for Arktite Receptacle Housings

Cooper Crouse-Hinds



ARE46



AJ57

Features

- Cast Aluminum

| Mfg. No. | Advanced ID | Hub Size | For Use    |
|----------|-------------|----------|------------|
| ARE13    | 88068562    | 1/2      | 20A / 30A  |
| ARE23    | 88068569    | 3/4      | 20A / 30A  |
| ARE33    | 88068576    | 1        | 20A / 30A  |
| ARE36    | 88068607    | 1        | 60A        |
| ARE46    | 88068608    | 1 1/4    | 60A        |
| ARE56    | 88068609    | 1 1/2    | 60A        |
| AJ37     | 88068058    | 1        | 60A / 100A |
| AJ47     | 88068059    | 1 1/4    | 60A / 100A |
| AJ57     | 88068060    | 1 1/2    | 60A / 100A |
| AJ67     | 88068062    | 2        | 60A / 100A |

### ENR Series Dead Front Interlocked Explosion-proof Receptacles

Cooper Crouse-Hinds

For general purpose applications, especially where temporary power is required.



Features

- Explosion-Proof, Dust-Ignition-Proof, Type NEMA 4
- Interlock Mechanism Prevents Accidental Shock
- Factory Sealed Chamber Isolates Potentially Arcing Components From Each Other
- Integral Spring Door Protects Receptacle From Dust and Moisture when not in Use
- Rated 20A/125V - 250V

| Mfg. No.            | Advanced ID | Hub Size | Gang |
|---------------------|-------------|----------|------|
| <b>Dead End</b>     |             |          |      |
| <b>20A 125V</b>     |             |          |      |
| ENR11201            | 88071379    | 1/2      | 1    |
| ENR21201            | 88071383    | 3/4      | 1    |
| ENR31201            | 88071389    | 1        | 1    |
| ENR12201            | 88071381    | 1/2      | 2    |
| ENR22201            | 88071387    | 3/4      | 2    |
| ENR32201            | 88071391    | 1        | 2    |
| <b>20A 250V</b>     |             |          |      |
| ENR11202            | 88071380    | 1/2      | 1    |
| ENR21202            | 88071385    | 3/4      | 1    |
| ENR31202            | 88071390    | 1        | 1    |
| ENR12202            | 94073114    | 1/2      | 2    |
| ENR22202            | 88071388    | 3/4      | 2    |
| ENR32202            | 88071393    | 1        | 2    |
| <b>Through Feed</b> |             |          |      |
| <b>20A 125V</b>     |             |          |      |
| ENRC11201           | 88071399    | 1/2      | 1    |
| ENRC21201           | 88071404    | 3/4      | 1    |
| ENRC31201           | 88071408    | 1        | 1    |
| ENRC12201           | 88071402    | 1/2      | 2    |
| ENRC22201           | 88071406    | 3/4      | 2    |
| ENRC32201           | 94073115    | 1        | 2    |
| <b>20A 250V</b>     |             |          |      |
| ENRC11202           | 88071401    | 1/2      | 1    |
| ENRC21202           | 88071405    | 3/4      | 1    |
| ENRC31202           | 88071409    | 1        | 1    |
| ENRC12202           | 88071403    | 1/2      | 2    |
| ENRC22202           | 88071407    | 3/4      | 2    |
| ENRC32202           | 88071411    | 1        | 2    |



### WSR and WSRD Series Arktite® Interlocked Receptacles with Enclosed Disconnect Switch

Cooper Crouse-Hinds

For use as a service outlet where dust, moisture and corrosion may be a problem.

#### Features

- Designed for Flush or Surface Mounting
- Fusible Type Switches Also Provide Short Circuit Protection
- Multiple Interlock Mechanisms Provide the Maximum in Safe Operating Conditions
- Switch Handle can be Padlocked in the On or Off Position
- For Use as a Service Outlet
- NEMA 3R, 12



| Mfg. No.                        | Advanced ID              | Amp Rating | Wiring Configuration | Voltage Rating  | Hub Size |
|---------------------------------|--------------------------|------------|----------------------|-----------------|----------|
| <b>Sheet Steel Construction</b> |                          |            |                      |                 |          |
| <b>Fusible</b>                  |                          |            |                      |                 |          |
| WSRD6352                        | <a href="#">88076584</a> | 60         | 3W4P                 | 600V AC/250V DC | 1 1/4    |
| <b>Aluminum Construction</b>    |                          |            |                      |                 |          |
| <b>Fusible</b>                  |                          |            |                      |                 |          |
| WSR6352                         | <a href="#">88076578</a> | 60         | 3W4P                 | 600V AC/250V DC | 1 1/4    |
| WSR10351                        | <a href="#">88076561</a> | 100        | 3W4P                 | 600V AC/250V DC | 1 1/4    |
| WSR10352                        | <a href="#">88076562</a> | 100        | 3W4P                 | 600V AC/250V DC | 1 1/2    |
| <b>Non-Fusible</b>              |                          |            |                      |                 |          |
| WSR63542                        | <a href="#">88076580</a> | 60         | 3W4P                 | 600V AC/250V DC | 1 1/4    |
| WSR103541                       | <a href="#">88076563</a> | 100        | 3W3P                 | 600V AC/250V DC | 1 1/2    |
| WSR103542                       | <a href="#">88076564</a> | 100        | 3W4P                 | 600V AC/250V DC | 1 1/2    |

### ECLK and ECGJH Series Hazardous Location Flexible Couplings

Cooper Crouse-Hinds



ECLK112



ECGJH212

Used in hazardous locations to isolate conduit systems from vibration and/or movement or to make difficult bends.

#### Features

- Threaded for Use with Rigid Conduit and IMC
- Rugged Design Withstands Explosive Pressure and Mechanical Abuse
- Liquidtight for Use in Wet Locations
- Metallic Braid Provides Good Ground Path so No Additional Bonding is Needed
- Constructed from Bronze Braid Tubing with Brass Fittings
- ECLK Series Comes with 1 Male Nipple and 1 Female Union
- ECGJH Series Comes with 2 Male Nipples
- Meets UL 886 and NEC

| Mfg. No. | Advanced ID              | Trade Size | Length |
|----------|--------------------------|------------|--------|
| ECLK112  | <a href="#">88070152</a> | 1/2 in.    | 12 in. |
| ECLK115  | <a href="#">88070153</a> | 1/2 in.    | 15 in. |
| ECLK118  | <a href="#">88070154</a> | 1/2 in.    | 18 in. |
| ECLK124  | <a href="#">88070156</a> | 1/2 in.    | 24 in. |
| ECLK136  | <a href="#">88070160</a> | 1/2 in.    | 36 in. |
| ECLK212  | <a href="#">88070165</a> | 3/4 in.    | 12 in. |
| ECLK215  | <a href="#">88070166</a> | 3/4 in.    | 15 in. |
| ECLK218  | <a href="#">88070167</a> | 3/4 in.    | 18 in. |
| ECLK224  | <a href="#">88070169</a> | 3/4 in.    | 24 in. |
| ECLK236  | <a href="#">88070173</a> | 3/4 in.    | 36 in. |
| ECGJH110 | <a href="#">88070050</a> | 1/2 in.    | 10 in. |
| ECGJH112 | <a href="#">88070051</a> | 1/2 in.    | 12 in. |
| ECGJH118 | <a href="#">88070053</a> | 1/2 in.    | 18 in. |
| ECGJH124 | <a href="#">88070055</a> | 1/2 in.    | 24 in. |
| ECGJH136 | <a href="#">88070059</a> | 1/2 in.    | 36 in. |
| ECGJH210 | <a href="#">88070063</a> | 3/4 in.    | 10 in. |
| ECGJH212 | <a href="#">88070064</a> | 3/4 in.    | 12 in. |
| ECGJH218 | <a href="#">88070066</a> | 3/4 in.    | 18 in. |
| ECGJH224 | <a href="#">88070068</a> | 3/4 in.    | 24 in. |
| ECGJH236 | <a href="#">88070072</a> | 3/4 in.    | 36 in. |

## REC Series Hazardous Location Reducing Couplers

Cooper Crouse-Hinds

Used to connect two different sizes of conduit.

### Features

- Threaded for Use with Rigid Conduit and IMC
- Integral Bushings in Both Ends Prevent Damage to Wires
- Funnel Shaped Interior Guides Wires from Large to Small Conduit for Easier Wire Pulling
- Galvanized Steel or Galvanized Feraloy® Iron Construction with Aluminum Acrylic Paint Finish
- Meets UL 886, CSA C22.2 and NEC/CEC



| Mfg. No. | Advanced ID              | Description                         |
|----------|--------------------------|-------------------------------------|
| REC21    | <a href="#">88074487</a> | Reducing Couplers, 3/4 to 1/2 in.   |
| REC31    | <a href="#">88074489</a> | Reducing Couplers, 1/2 to 1 in.     |
| REC32    | <a href="#">88074491</a> | Reducing Couplers, 1 to 3/4 in.     |
| REC42    | <a href="#">88074493</a> | Reducing Couplers, 1 1/4 to 3/4 in. |
| REC52    | <a href="#">88074497</a> | Reducing Couplers, 1 1/2 to 3/4 in. |
| REC53    | <a href="#">88074499</a> | Reducing Couplers, 1 1/2 to 1 in.   |
| REC602   | <a href="#">88074503</a> | Reducing Couplers, 2 to 3/4 in.     |
| REC603   | <a href="#">88074505</a> | Reducing Couplers, 2 to 1 in.       |
| REC605   | <a href="#">88074509</a> | Reducing Couplers, 2 to 1 1/2 in.   |
| REC86    | <a href="#">88074512</a> | Reducing Couplers, 3 to 2 in.       |

## EYS Series Hazardous Location Condulet® Sealing Fittings

Cooper Crouse-Hinds



EYS11



EYS1

Used to prevent the passage of gases, vapors and flames from one part of the conduit installation to another.

### Features

- Threaded for Use with Rigid Conduit and IMC
- Integral Bushing in Both Ends Prevents Damage to Wires
- Funnel Shaped Interior Guides Wires from Large to Small Conduit for Easier Wire Pulling
- Galvanized Steel or Galvanized Feraloy® Iron Construction with Aluminum Acrylic Paint Finish
- Meets UL 886, CSA C22.2 and NEC

| Mfg. No.  | Advanced ID              | Hub Size  |
|---|--------------------------|-----------|
| <b>Straight Female to Female - Vertical and Horizontal Mounting for Class I, Groups B, C, &amp; D</b> |                          |           |
| EYS11   | <a href="#">88072216</a> | 1/2 in.   |
| EYS21   | <a href="#">88072224</a> | 3/4 in.   |
| EYS31   | <a href="#">88072233</a> | 1 in.     |
| EYS41   | <a href="#">88072241</a> | 1 1/4 in. |
| EYS51   | <a href="#">88072246</a> | 1 1/2 in. |
| EYS61   | <a href="#">88072252</a> | 2 in.     |
| <b>Straight Female to Female - Vertical and Horizontal Mounting for Class I, Groups C &amp; D</b>     |                          |           |
| EYS4  | <a href="#">88072239</a> | 1 1/4 in. |
| EYS5  | <a href="#">88072244</a> | 1 1/2 in. |
| EYS6  | <a href="#">88072250</a> | 2 in.     |
| <b>Straight Male to Female - Vertical and Horizontal Mounting for Class I, Groups B, C, &amp; D</b>   |                          |           |
| EYS116  | <a href="#">88072218</a> | 1/2 in.   |
| EYS216  | <a href="#">88072226</a> | 3/4 in.   |
| EYS316  | <a href="#">88072235</a> | 1 in.     |
| EYS416  | <a href="#">89009613</a> | 1 1/4 in. |
| EYS516  | <a href="#">88072247</a> | 1 1/2 in. |
| EYS616  | <a href="#">89009614</a> | 2 in.     |
| <b>Straight Male to Female - Vertical and Horizontal Mounting for Class I, Groups C &amp; D</b>       |                          |           |
| EYS46   | <a href="#">88072242</a> | 1 1/4 in. |
| EYS56   | <a href="#">88072248</a> | 1 1/2 in. |
| EYS66   | <a href="#">88072253</a> | 2 in.     |
| <b>Straight Female to Female - Vertical Only Mounting for Class I, Groups B, C, &amp; D</b>           |                          |           |
| EYS1  | <a href="#">88072211</a> | 1/2 in.   |
| EYS2  | <a href="#">88072222</a> | 3/4 in.   |
| EYS3  | <a href="#">88072231</a> | 1 in.     |
| <b>Straight Male to Female - Vertical Only Mounting for Class I, Groups B, C, &amp; D</b>             |                          |           |
| EYS16   | <a href="#">88072220</a> | 1/2 in.   |
| EYS26   | <a href="#">88072228</a> | 3/4 in.   |
| EYS36   | <a href="#">88072237</a> | 1 in.     |

### Drains and Breathers

Cooper Crouse-Hinds



ECD11



ECD15

Installed in enclosures of conduit systems to provide ventilation, minimize condensation and drain accumulated condensate.

#### Features

- Stainless Steel Construction Resists Corrosion
- Meets UL 886, CSA C22.2 and NEC/CEC

| Mfg. No.                              | Advanced ID     | Hub Size |
|---------------------------------------|-----------------|----------|
| <b>Standard Drains for Water Only</b> |                 |          |
| ECD11*                                | <b>88070031</b> | 1/2 in.  |
| <b>Universal Drain or Breather</b>    |                 |          |
| ECD385*                               | <b>88070040</b> | 3/8 in.  |
| ECD15*                                | <b>88070033</b> | 1/2 in.  |
| ECD16†                                | <b>88070034</b> | 1/2 in.  |
| <b>Combination Drain and Breather</b> |                 |          |
| ECD18*                                | <b>88070036</b> | 1/2 in.  |

\* Suitable for use in Class I, Division I & 2, Groups C, D

† Suitable for use in Class I, Division 1 & 2, Groups B, C, D

### EYD Series Hazardous Location Condulet® Sealing Fittings with Drains

Cooper Crouse-Hinds

Used to prevent the passage of gases, vapors and flames from one part of the conduit installation to another.

#### Features

- Threaded for Use with Rigid Conduit and IMC
- Stainless Steel Drain Provides Continuous, Automatic Drainage of Condensate
- Includes Removable Covers for Periodic Inspection of Seals
- Large Openings with Threaded Closures Provides Easy Access to Conduit Hubs for Making Dams
- Taper Tapped Hubs Insure Positive Ground Continuity
- Integral Bushings in Conduit Hubs Protect Conductor Insulation From Damage
- Galvanized Steel or Galvanized Feraloy® Iron Construction with Aluminum Acrylic Paint Finish
- Meets UL 886, CSA C22.2 and NEC



| Mfg. No.   | Advanced ID     | Hub Size  |
|--|-----------------|-----------|
| <b>Female to Female - Vertical Mounting Only</b> |                 |           |
| EYD1   | <b>88072172</b> | 1/2 in.   |
| EYD2   | <b>88072180</b> | 3/4 in.   |
| EYD3   | <b>88072183</b> | 1 in.     |
| EYD5   | <b>88072189</b> | 1 1/2 in. |
| EYD6   | <b>88072192</b> | 2 in.     |
| <b>Male to Female - Vertical Mounting Only</b>   |                 |           |
| EYD16  | <b>88072178</b> | 1/2 in.   |
| EYD26  | <b>88072181</b> | 3/4 in.   |
| EYD36  | <b>88072184</b> | 1 in.     |
| EYD56  | <b>88072190</b> | 1 1/2 in. |
| EYD66  | <b>88072194</b> | 2 in.     |

### LBY Series Hazardous Location Capped Elbows

Cooper Crouse-Hinds

Condulet service entrance elbows and tees, feraloy iron alloy, 90°. Used to change conduit direction in hazardous and normal locations where access is needed for pulling conductors.



#### Features

- Threaded for Use with Rigid Conduit or IMC
- Maximum Volume in a Compact Design
- Screw on Cover is Easy to Install or Remove
- Cover Opening is Angled to Permit Straight Through Cable Pulls from Either Direction
- Taper Tapped Hubs with Integral Bushing for Standard Threaded Conduit
- Galvanized Feraloy® Iron Alloy Construction with Aluminum Acrylic Paint Finish
- Meets UL 886, CSA 22.2 and NEC/CEC

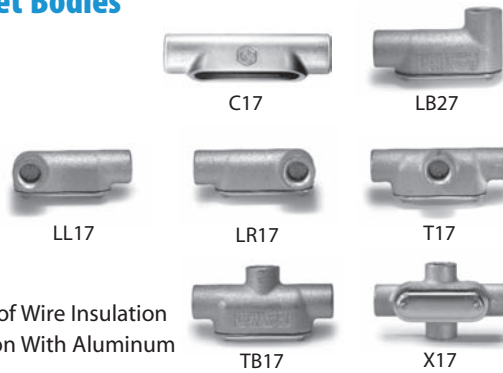
| Mfg. No. | Advanced ID     | Hub Size |
|----------|-----------------|----------|
| LBY15    | <b>88073253</b> | 1/2 in.  |
| LBY25    | <b>88073256</b> | 3/4 in.  |
| LBY35    | <b>88073258</b> | 1 in.    |

### Form 7 Condulet® Conduit Outlet Bodies

Cooper Crouse-Hinds

#### Features

- Threaded for Use with Rigid Conduit and IMC
- Small, Compact Design is Ideal for Use in Tight Spaces
- Conduit Hubs Have Tapered Threads to Ensure Rigid Connection and Positive Ground Path
- Features Integral Bushings for Protection of Wire Insulation
- Galvanized Feraloy® Iron Alloy Construction With Aluminum Acrylic Paint Finish
- Meets UL 514B and CSA 22.2 No. 18



| Mfg. No.       | Advanced ID | Hub Size  |
|----------------|-------------|-----------|
| <b>Type C</b>  |             |           |
| C17            | 88068936    | 1/2 in.   |
| C27            | 88068940    | 3/4 in.   |
| C37            | 88068947    | 1 in.     |
| C47            | 88068952    | 1 1/4 in. |
| C57            | 88068955    | 1 1/2 in. |
| C67            | 88068959    | 2 in.     |
| C77            | 88068963    | 2 1/2 in. |
| C87            | 88068967    | 3 in.     |
| <b>Type LB</b> |             |           |
| LB17           | 88073158    | 1/2 in.   |
| LB27           | 88073165    | 3/4 in.   |
| LB37           | 88073172    | 1 in.     |
| <b>Type LB</b> |             |           |
| LB47           | 88073180    | 1 1/4 in. |
| LB57           | 88073184    | 1 1/2 in. |
| LB67           | 88073189    | 2 in.     |
| LB777          | 88073194    | 2 1/2 in. |
| LB87           | 88073198    | 3 in.     |
| LB97           | 88073202    | 3 1/2 in. |
| LB107          | 88073155    | 4 in.     |
| <b>Type LL</b> |             |           |
| LL17           | 88073285    | 1/2 in.   |
| LL27           | 88073289    | 3/4 in.   |
| LL37           | 88073293    | 1 in.     |
| LL47           | 88073298    | 1 1/4 in. |
| LL57           | 88073301    | 1 1/2 in. |
| LL67           | 88073305    | 2 in.     |
| <b>Type LR</b> |             |           |
| LR17           | 88073359    | 1/2 in.   |
| LR27           | 88073363    | 3/4 in.   |
| LR37           | 88073367    | 1 in.     |
| LR47           | 88073372    | 1 1/4 in. |
| LR57           | 88073375    | 1 1/2 in. |
| LR67           | 88073379    | 2 in.     |
| LR87           | 88073386    | 3 in.     |
| <b>Type T</b>  |             |           |
| T17            | 88074765    | 1/2 in.   |
| T27            | 88074773    | 3/4 in.   |
| T37            | 88074782    | 1 in.     |
| T47            | 88074789    | 1 1/4 in. |
| T57            | 88074792    | 1 1/2 in. |
| T67            | 88074796    | 2 in.     |
| T87            | 88074803    | 3 in.     |
| <b>Type TB</b> |             |           |
| TB17           | 88074814    | 1/2 in.   |
| TB27           | 88074818    | 3/4 in.   |
| TB37           | 88074822    | 1 in.     |
| TB47           | 88074827    | 1 1/4 in. |
| TB57           | 88074830    | 1 1/2 in. |
| TB67           | 88074833    | 2 in.     |
| <b>Type X</b>  |             |           |
| X17            | 88076609    | 1/2 in.   |
| X27            | 88076613    | 3/4 in.   |
| X37            | 88076617    | 1 in.     |
| X57            | 88076623    | 1 1/2 in. |
| X67            | 88076625    | 2 in.     |

### Series 5 Conduit Outlet Bodies

Cooper Crouse-Hinds

Provides access to conductors for pulling, splicing and tapping.



#### Features

- Threaded for Use with Rigid Conduit and IMC
- Die Cast Aluminum Construction
- Available in SnapPack™ Assembly - Prepackaged Body, Cover and Neoprene Gasket - By Adding Suffix -CGN

| Mfg. No.                        | Advanced ID | Hub Size  |
|---------------------------------|-------------|-----------|
| <b>Type C</b>                   |             |           |
| <b>For Rigid / IMC</b>          |             |           |
| C15                             | 88076997    | 1/2 in.   |
| C25                             | 88076999    | 3/4 in.   |
| C35                             | 88077001    | 1 in.     |
| C45                             | 88077003    | 1 1/4 in. |
| C55                             | 88077005    | 1 1/2 in. |
| C65                             | 88077007    | 2 in.     |
| C75                             | 94073123    | 2 1/2 in. |
| C85                             | 88077010    | 3 in.     |
| C95                             | 88077011    | 3 1/2 in. |
| C105                            | 88076996    | 4 in.     |
| <b>For EMT and IMC or Rigid</b> |             |           |
| C15-MT                          | 88076998    | 1/2 in.   |
| C25-MT                          | 88077000    | 3/4 in.   |
| C35-MT                          | 88077002    | 1 in.     |
| C45-MT                          | 88077004    | 1 1/4 in. |
| C55-MT                          | 88077006    | 1 1/2 in. |
| C65-MT                          | 88077008    | 2 in.     |
| <b>Type LL</b>                  |             |           |
| <b>For Rigid / IMC</b>          |             |           |
| LL15                            | 88077040    | 1/2 in.   |
| LL25                            | 88077042    | 3/4 in.   |
| LL35                            | 88077044    | 1 in.     |
| LL45                            | 88077046    | 1 1/4 in. |
| LL55                            | 88077048    | 1 1/2 in. |
| LL65                            | 88077050    | 2 in.     |
| LL75                            | 94073124    | 2 1/2 in. |
| LL85                            | 88077053    | 3 in.     |
| LL95                            | 88077054    | 3 1/2 in. |
| LL105                           | 88077039    | 4 in.     |
| <b>For EMT and IMC or Rigid</b> |             |           |
| LL15-MT                         | 88077041    | 1/2 in.   |
| LL25-MT                         | 88077043    | 3/4 in.   |
| LL35-MT                         | 88077045    | 1 in.     |
| LL45-MT                         | 88077047    | 1 1/4 in. |
| LL55-MT                         | 88077049    | 1 1/2 in. |
| LL65-MT                         | 88077051    | 2 in.     |
| <b>Type LR</b>                  |             |           |
| <b>For Rigid / IMC</b>          |             |           |
| LR15                            | 88077056    | 1/2 in.   |
| LR25                            | 88077058    | 3/4 in.   |
| LR35                            | 88077060    | 1 in.     |
| LR45                            | 88077062    | 1 1/4 in. |
| LR55                            | 88077064    | 1 1/2 in. |
| LR65                            | 88077066    | 2 in.     |
| LR75                            | 88077068    | 2 1/2 in. |
| LR85                            | 88077069    | 3 in.     |
| LR95                            | 88077070    | 3 1/2 in. |
| LR105                           | 94061274    | 4 in.     |

Continued ➤

### Series 5 Conduit Outlet Bodies

Cooper Crouse-Hinds

| Mfg. No.                        | Advanced ID | Hub Size  |
|---------------------------------|-------------|-----------|
| <b>Type LR</b>                  |             |           |
| <b>For EMT and IMC or Rigid</b> |             |           |
| LR15-MT                         | 88077057    | 1/2 in.   |
| LR25-MT                         | 88077059    | 3/4 in.   |
| LR35-MT                         | 88077061    | 1 in.     |
| LR45-MT                         | 88077063    | 1 1/4 in. |
| LR55-MT                         | 88077065    | 1 1/2 in. |
| LR65-MT                         | 88077067    | 2 in.     |
| <b>Type T</b>                   |             |           |
| <b>For Rigid / IMC</b>          |             |           |
| T15                             | 88077072    | 1/2 in.   |
| T25                             | 88077074    | 3/4 in.   |
| T35                             | 88077076    | 1 in.     |
| T45                             | 88077078    | 1 1/4 in. |
| T55                             | 88077080    | 1 1/2 in. |
| T65                             | 88077082    | 2 in.     |
| T75                             | 88077084    | 2 1/2 in. |
| T85                             | 88077085    | 3 in.     |
| T95                             | 88077086    | 3 1/2 in. |
| T105                            | 88077071    | 4 in.     |
| <b>For EMT and IMC or Rigid</b> |             |           |
| T15-MT                          | 88077073    | 1/2 in.   |
| T25-MT                          | 88077075    | 3/4 in.   |
| T35-MT                          | 88077077    | 1 in.     |
| T45-MT                          | 88077079    | 1 1/4 in. |
| T55-MT                          | 88077081    | 1 1/2 in. |
| T65-MT                          | 88077083    | 2 in.     |
| <b>Type LB</b>                  |             |           |
| <b>For Rigid / IMC</b>          |             |           |
| LB15                            | 88077021    | 1/2 in.   |
| LB25                            | 88077023    | 3/4 in.   |
| LB35                            | 88077025    | 1 in.     |
| LB45                            | 88077027    | 1 1/4 in. |
| LB55                            | 88077029    | 1 1/2 in. |
| LB65                            | 88077031    | 2 in.     |
| LB75                            | 88077033    | 2 1/2 in. |
| LB85                            | 88077035    | 3 in.     |
| LB95                            | 88077037    | 3 1/2 in. |
| LB105                           | 88077019    | 4 in.     |
| <b>For EMT and IMC or Rigid</b> |             |           |
| LB15-MT                         | 88077022    | 1/2 in.   |
| LB25-MT                         | 88077024    | 3/4 in.   |
| LB35-MT                         | 88077026    | 1 in.     |
| LB45-MT                         | 88077028    | 1 1/4 in. |
| LB55-MT                         | 88077030    | 1 1/2 in. |
| LB65-MT                         | 88077032    | 2 in.     |
| LB75-MT                         | 88077034    | 2 1/2 in. |
| LB85-MT                         | 88077036    | 3 in.     |
| LB95-MT                         | 88077038    | 3 1/2 in. |
| LB105-MT                        | 88077020    | 4 in.     |

### Form 5 Conduit Outlet Bodies

Cooper Crouse-Hinds



Form 5 Malleable Iron Conduit Bodies are used in conduit systems to act as pull outlets for conductors being installed, provide openings for making splices and taps in conductors, act as mounting outlets for lighting fixtures and wiring devices, connect conduit sections, provide taps for branch circuit runs, make 90° bends in conduit runs and provide for access to conductors for maintenance and future system changes.

#### Features

- Built-In Rollers on 1 1/4 to 4 in. C and LB Bodies to Facilitate Wire Pulling
- Smooth and Rounded Integral Bushings for Protection of Wire Insulation

| Mfg. No.       | Advanced ID | Hub Size  |
|----------------|-------------|-----------|
| <b>Type LB</b> |             |           |
| LB50M          | 22005041    | 1/2 in.   |
| LB75M          | 22005042    | 3/4 in.   |
| LB100M         | 22005033    | 1 in.     |
| LB125M         | 22005034    | 1 1/4 in. |
| LB150M         | 22005035    | 1 1/2 in. |
| LB200M         | 22005036    | 2 in.     |
| LB250M         | 22005037    | 2 1/2 in. |
| LB300M         | 22005038    | 3 in.     |
| LB350M         | 22005039    | 3 1/2 in. |
| LB400M         | 22005040    | 4 in.     |
| <b>Type LL</b> |             |           |
| LL50M          | 22005052    | 1/2 in.   |
| LL75M          | 22005053    | 3/4 in.   |
| LL100M         | 22005043    | 1 in.     |
| LL125M         | 22005044    | 1 1/4 in. |
| LL150M         | 22005045    | 1 1/2 in. |
| LL200M         | 22005046    | 2 in.     |
| LL250M         | 22005047    | 2 1/2 in. |
| LL300M         | 22005048    | 3 in.     |
| LL350M         | 22005049    | 3 1/2 in. |
| LL400M         | 22005051    | 4 in.     |
| <b>Type C</b>  |             |           |
| C50M           | 22005019    | 1/2 in.   |
| C75M           | 22005020    | 3/4 in.   |
| C100M          | 22005010    | 1 in.     |
| C125M          | 22005011    | 1 1/4 in. |
| C150M          | 22005012    | 1 1/2 in. |
| C200M          | 22005014    | 2 in.     |
| C250M          | 22005015    | 2 1/2 in. |
| C300M          | 22005016    | 3 in.     |
| C350M          | 22005017    | 3 1/2 in. |
| C400M          | 22005018    | 4 in.     |
| <b>Type LR</b> |             |           |
| LR50M          | 22005063    | 1/2 in.   |
| LR75M          | 22005064    | 3/4 in.   |
| LR100M         | 22005054    | 1 in.     |
| LR125M         | 22005055    | 1 1/4 in. |
| LR150M         | 22005056    | 1 1/2 in. |
| LR200M         | 22005057    | 2 in.     |
| LR250M         | 22005058    | 2 1/2 in. |
| LR300M         | 22005059    | 3 in.     |
| LR350M         | 22005061    | 3 1/2 in. |
| LR400M         | 22005062    | 4 in.     |
| <b>Type T</b>  |             |           |
| T50M           | 22005074    | 1/2 in.   |
| T75M           | 22005075    | 3/4 in.   |
| T100M          | 22005065    | 1 in.     |
| T125M          | 22005066    | 1 1/4 in. |
| T150M          | 22005067    | 1 1/2 in. |
| T200M          | 22005068    | 2 in.     |
| T250M          | 22005070    | 2 1/2 in. |
| T300M          | 22005071    | 3 in.     |
| T350M          | 22005072    | 3 1/2 in. |
| T400M          | 22005073    | 4 in.     |
| <b>Type TB</b> |             |           |
| TB50M          | 22038474    | 1/2 in.   |
| TB75M          | 22005078    | 3/4 in.   |
| TB100M         | 22005076    | 1 in.     |
| TB125M         | 22005077    | 1 1/4 in. |
| TB150M         | 22005979    | 1 1/2 in. |
| TB200M         | 22005980    | 2 in.     |



## Form 8 Condulet® Conduit Outlet Bodies

Cooper Crouse-Hinds

Provides access to conductors for pulling, splicing and tapping.

### Features

- Threaded for Use with Rigid Conduit and IMC
- Larger Body Design Provides Ample Room for Heavier Conductors
- Conduit Hubs have Tapered Threads to Ensure Rigid Connection and Positive Ground Path
- Features Integral Bushings for Protection of Wire Insulation
- Galvanized Feraloy® Iron Alloy Construction with Aluminum Acrylic Paint Finish
- Meets UL 514B and CSA 22.2 No. 18

| Mfg. No.       | Advanced ID | Hub Size  |
|----------------|-------------|-----------|
| <b>Type C</b>  |             |           |
| C18            | 88068938    | 1/2 in.   |
| C28            | 88068942    | 3/4 in.   |
| C38            | 88068949    | 1 in.     |
| C48            | -           | 1 1/4 in. |
| C58            | 88068957    | 1 1/2 in. |
| C68            | 88068961    | 2 in.     |
| C88            | 88068969    | 3 in.     |
| <b>Type LB</b> |             |           |
| LB18           | 88073161    | 1/2 in.   |
| LB28           | 88073168    | 3/4 in.   |
| LB38           | 88073175    | 1 in.     |
| LB448          | 88073179    | 1 1/4 in. |
| LB58           | 88073186    | 1 1/2 in. |
| LB68           | 88073191    | 2 in.     |
| LB78           | 88073196    | 2 1/2 in. |
| LB88           | -           | 3 in.     |
| LB108          | 88073156    | 4 in.     |
| <b>Type LL</b> |             |           |
| LL18           | 88073287    | 1/2 in.   |
| LL28           | 88073291    | 3/4 in.   |
| LL38           | 88073295    | 1 in.     |
| LL58           | 88073303    | 1 1/2 in. |
| LL68           | 88073307    | 2 in.     |
| <b>Type LR</b> |             |           |
| LR18           | 88073361    | 1/2 in.   |
| LR28           | 88073365    | 3/4 in.   |
| LR38           | 88073369    | 1 in.     |
| LR58           | 88073377    | 1 1/2 in. |
| LR68           | 88073381    | 2 in.     |
| <b>Type T</b>  |             |           |
| T18            | 88074768    | 1/2 in.   |
| T28            | 88074776    | 3/4 in.   |
| T38            | 88074785    | 1 in.     |
| T448           | 88074788    | 1 1/4 in. |
| T58            | 88074794    | 1 1/2 in. |
| T68            | 88074798    | 2 in.     |
| T88            | 88074804    | 3 in.     |
| <b>Type TB</b> |             |           |
| TB18           | 88074816    | 1/2 in.   |
| TB28           | 88074820    | 3/4 in.   |
| TB38           | 88074824    | 1 in.     |
| TB58           | 88074832    | 1 1/2 in. |
| TB68           | 88074835    | 2 in.     |



C18



LB28



LL18



LR18



T18



TB18



### Mark 9 Condulet® Conduit Outlet Bodies

Cooper Crouse-Hinds



C19



LB19



LL19



LR19



T19

Provides access to conductors for pulling, splicing and tapping.

#### Features

- Threaded for Use with Rigid Conduit and IMC
- Larger Body Design Provides Ample Room for Heavier Conductors
- Conduit Hubs have Tapered Threads to Ensure Rigid Connection and Positive Ground Path
- Features Integral Bushings for Protection of Wire Insulation
- Copper-Free Aluminum Construction
- Meets UL 514B and CSA 22.2 No. 18

| Mfg. No.       | Advanced ID              | Hub Size  |
|----------------|--------------------------|-----------|
| <b>Type C</b>  |                          |           |
| C19            | <a href="#">88068939</a> | 1/2 in.   |
| C29            | <a href="#">88068943</a> | 3/4 in.   |
| C39            | <a href="#">88068950</a> | 1 in.     |
| C59            | <a href="#">88068958</a> | 1 1/2 in. |
| C69            | <a href="#">88068962</a> | 2 in.     |
| C889           | <a href="#">88068970</a> | 3 in.     |
| C989           | <a href="#">88068971</a> | 3 1/2 in. |
| C1089          | <a href="#">88068935</a> | 4 in.     |
| <b>Type LB</b> |                          |           |
| LB19           | <a href="#">88073162</a> | 1/2 in.   |
| LB29           | <a href="#">88073169</a> | 3/4 in.   |
| LB39           | <a href="#">88073176</a> | 1 in.     |
| LB49           | <a href="#">88073182</a> | 1 1/4 in. |
| LB59           | <a href="#">88073187</a> | 1 1/2 in. |
| LB69           | <a href="#">88073192</a> | 2 in.     |
| LB789          | <a href="#">88073197</a> | 2 1/2 in. |
| LB889          | <a href="#">88073201</a> | 3 in.     |
| LB1089         | <a href="#">88073157</a> | 4 in.     |
| <b>Type LL</b> |                          |           |
| LL19           | <a href="#">88073288</a> | 1/2 in.   |
| LL29           | <a href="#">88073292</a> | 3/4 in.   |
| LL39           | <a href="#">88073296</a> | 1 in.     |
| LL49           | <a href="#">88073300</a> | 1 1/4 in. |
| LL59           | <a href="#">88073304</a> | 1 1/2 in. |
| LL69           | <a href="#">88073308</a> | 2 in.     |
| <b>Type LR</b> |                          |           |
| LR19           | <a href="#">88073362</a> | 1/2 in.   |
| LR29           | <a href="#">88073366</a> | 3/4 in.   |
| LR39           | <a href="#">88073370</a> | 1 in.     |
| LR49           | <a href="#">88073374</a> | 1 1/4 in. |
| LR59           | <a href="#">88073378</a> | 1 1/2 in. |
| LR69           | <a href="#">88073382</a> | 2 in.     |
| <b>Type T</b>  |                          |           |
| T19            | <a href="#">88074769</a> | 1/2 in.   |
| T29            | <a href="#">88074777</a> | 3/4 in.   |
| T39            | <a href="#">88074786</a> | 1 in.     |
| T49            | <a href="#">88074791</a> | 1 1/4 in. |
| T59            | <a href="#">88074795</a> | 1 1/2 in. |
| T69            | <a href="#">88074799</a> | 2 in.     |

### LBD Series Condulet® Conduit Outlet Bodies

Cooper Crouse-Hinds



LBD2200



LBD4400

Installed at 90° bends in rigid conduit to provide accessibility to conductors and to conduit systems for maintenance or future expansion.

#### Features

- Threaded for Use with Rigid Conduit and IMC
- Cover Openings are Angled to Permit Conductors to be Pulled Straight Through from Either Direction
- Domed Covers Allow Easy Conductor Bends
- Taper Tapped Hubs with Integral Bushing Provides Protection for Conductor Insulation
- Galvanized Feraloy® Iron Alloy Construction with Aluminum Acrylic Paint Finish
- Includes Cover with Neoprene Gasket
- Meets UL 514B and CSA 22.2 No. 18

| Mfg. No. | Advanced ID              | Hub Size  |
|----------|--------------------------|-----------|
| LBD1100  | <a href="#">88073210</a> | 1/2 in.   |
| LBD2200  | <a href="#">88073212</a> | 3/4 in.   |
| LBD3300  | <a href="#">88073214</a> | 1 in.     |
| LBD4400  | <a href="#">88073216</a> | 1 1/4 in. |
| LBD5500  | <a href="#">88073218</a> | 1 1/2 in. |
| LBD6600  | <a href="#">88073220</a> | 2 in.     |
| LBD7700  | <a href="#">88073222</a> | 2 1/2 in. |
| LBD8800  | <a href="#">88073224</a> | 3 in.     |
| LBD9900  | <a href="#">88073226</a> | 3 1/2 in. |
| LBD10900 | <a href="#">88073208</a> | 4 in.     |
| LBD012   | <a href="#">88073205</a> | 5 in.     |

### Mogul Pulling Elbows

Cooper Crouse-Hinds

Installed in conduit systems to provide accessibility to conductors for pulling, splicing and tapping.



#### Features

- Threaded for Use with Rigid Conduit and IMC
- Large Domed Cover Permits Easy, Straight-Through Pulls
- Tapered Threads Provide Easy Assembly and Tight Construction
- Includes Cover with Heavy-Duty Machine Screws and Cover Gasket
- Die Cast Copper Free Aluminum with Lacquer Finish and Neoprene Gasket
- 90° Elbow
- Meets UL 514B and CSA 22.2 No. 18

| Mfg. No. | Advanced ID              | Hub Size  |
|----------|--------------------------|-----------|
| LBNEC7   | <a href="#">88073249</a> | 2 1/2 in. |
| LBNEC8   | <a href="#">88073250</a> | 3 in.     |
| LBNEC10  | <a href="#">88073248</a> | 4 in.     |

## BLB and BUB Mogul Series Conduit Outlet Bodies

Cooper Crouse-Hinds



BLB3



BUB3

Mogul bodies are installed in rigid conduit to provide accessibility to conductors and to conduit system for maintenance or future expansion.

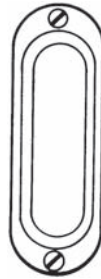
### Features

- Threaded for Use with Rigid Conduit and IMC
- Longer Openings are Provided to Assist when Pulling Larger Conductors
- Taper Tapped Hubs with Integral Bushing Provides Protection for Conductor Insulation
- Designed to Prevent Sharp Bends and Kinks in Conductors
- Galvanized Feraloy® Iron Alloy Construction with Aluminum Acrylic Paint Finish
- Meets UL 514B and CSA 22.2 No. 18

| Mfg. No.        | Advanced ID | Hub Size  |
|-----------------|-------------|-----------|
| <b>Type BLB</b> |             |           |
| BLB3            | 88068833    | 1 in.     |
| BLB4            | 88068835    | 1 1/4 in. |
| BLB5            | 88068837    | 1 1/2 in. |
| BLB6            | 88068839    | 2 in.     |
| BLB8            | 88068843    | 3 in.     |
| BLB10           | 88068831    | 4 in.     |
| <b>Type BUB</b> |             |           |
| BUB3            | 88068889    | 1 in.     |
| BUB4            | 88068891    | 1 1/4 in. |
| BUB5            | 88068893    | 1 1/2 in. |
| BUB6            | 88068895    | 2 in.     |
| BUB8            | 88068899    | 3 in.     |
| BUB10           | 88068888    | 4 in.     |

## Covers for Series 5 Conduit Outlet Bodies

Cooper Crouse-Hinds



| Mfg. No.                 | Advanced ID | Hub Size       |
|--------------------------|-------------|----------------|
| <b>Covers - Aluminum</b> |             |                |
| 150                      | 88076989    | 1/2 in.        |
| 250                      | 88076990    | 3/4 in.        |
| 350                      | 88076991    | 1 in.          |
| 450                      | 88076992    | 1 1/4 in.      |
| 650                      | 88076993    | 2 in.          |
| 850D                     | 88076994    | 2 1/2 to 3 in. |
| 950D                     | 88076995    | 3 1/2 to 4 in. |

## Covers for Form 5 Conduit Outlet Bodies

Cooper Crouse-Hinds



### Features

- Stainless Steel Cover Screws
- Domed Sheet Steel Covers Provide Additional Cubic Capacity

| Mfg. No.                  | Advanced ID | Hub Size           |
|---------------------------|-------------|--------------------|
| <b>Sheet Steel Covers</b> |             |                    |
| K50S                      | 22005031    | 1/2 in.            |
| K75S                      | 22005032    | 3/4 in.            |
| K100S                     | 22005026    | 1 in.              |
| K125S                     | 22005027    | 1 1/4 to 1 1/2 in. |
| K200S                     | 22005028    | 2 in.              |
| K250S                     | 22005029    | 2 1/2 to 3 in.     |
| K350S                     | 22005030    | 3 1/2 to 4 in.     |

## Snaptight™ Covers for Form 7 Conduit Outlet Bodies

Cooper Crouse-Hinds

### Features

- Cover with Integral Sealing Gasket Installs Without the Use of Screws
- Snap-Together Design Saves Time and Reduces Labor Costs
- Stamped Steel Construction
- Covers are Reusable



| Mfg. No. | Advanced ID | Hub Size  |
|----------|-------------|-----------|
| 170SG    | 91008936    | 1/2 in.   |
| 270SG    | 91008937    | 3/4 in.   |
| 370SG    | 91008938    | 1 in.     |
| 470SG    | 91033289    | 1 1/4 in. |
| 570SG    | 91033290    | 1 1/2 in. |
| 670SG    | 91033291    | 2 in.     |

## Wedgenut Covers for Form 7 Conduit Outlet Bodies

Cooper Crouse-Hinds



170



170F

### Features

- Wedgenut Design Requires No Tapped Screw Holes
- Nuts are Held Captive in Cover
- Covers are Reusable and can be Installed Without a Gasket
- Available in Stamped Steel or Feraloy® Iron Alloy Construction
- Stainless Steel Cover Screws are Standard

| Mfg. No.                          | Advanced ID | Hub Size        |
|-----------------------------------|-------------|-----------------|
| <b>Stamped Steel Construction</b> |             |                 |
| 170                               | 88067808    | 1/2 in.         |
| 270                               | 88067845    | 3/4 in.         |
| 370                               | 88067866    | 1 in.           |
| 470                               | 88067887    | 1 1/4 in.       |
| 570                               | 88067910    | 1 1/2 in.       |
| 670                               | 88067936    | 2 in.           |
| 870                               | 88067953    | 2 1/2 and 3 in. |

### Feraloy Iron Alloy Construction

|      |          |                 |
|------|----------|-----------------|
| 170F | 88067812 | 1/2 in.         |
| 270F | 88067848 | 3/4 in.         |
| 370F | 88067868 | 1 in.           |
| 470F | 88067889 | 1 1/4 in.       |
| 570F | 88067912 | 1 1/2 in.       |
| 670F | 88067938 | 2 in.           |
| 870F | 88067955 | 2 1/2 and 3 in. |

### WedgeNut Covers with Integral Gaskets for Form 7 Conduit Outlet Bodies

Cooper Crouse-Hinds



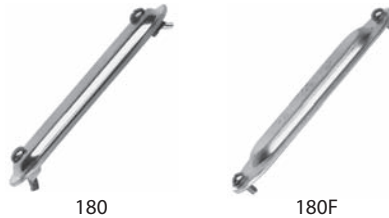
#### Features

- Wedgenut Design Requires No Tapped Screw Holes
- Nuts are held Captive in Cover
- Covers are Reusable and can be Installed Without a Gasket
- Available in Stamped Steel or Feraloy® Iron Alloy Construction
- Stainless Steel Cover Screws are Standard

| Mfg. No.                               | Advanced ID | Hub Size  |
|--|-------------|-----------|
| <b>Sheet Steel Construction</b>        |             |           |
| 170G                                   | 22010111    | 1/2 in.   |
| 270G                                   | 22010112    | 3/4 in.   |
| 370G                                   | 22010113    | 1 in.     |
| 470G                                   | 22010114    | 1 1/4 in. |
| 570G                                   | 22010115    | 1 1/2 in. |
| 670G                                   | 22010116    | 2 in.     |
| <b>Feraloy Iron Alloy Construction</b> |             |           |
| 170FG                                  | 22080407    | 1/2 in.   |
| 270FG                                  | 22080408    | 3/4 in.   |
| 370FG                                  | 22080409    | 1 in.     |
| 470FG                                  | 22080410    | 1 1/4 in. |
| 570FG                                  | 22080411    | 1 1/2 in. |
| 670FG                                  | 22080412    | 2 in.     |

### Covers for Form 8 Conduit Outlet Bodies

Cooper Crouse-Hinds



#### Features

- Available in Stamped Steel or Feraloy® Iron Alloy Construction
- Feraloy Iron Alloy Covers have Dome Shape for Added Strength and Extra Wiring Room
- Four Cover Screws are Included in 1 1/2 in. Sizes and Larger to Provide Tight Cover and Gasket Assembly
- Stainless Steel Cover Screws are Standard

| Mfg. No.                               | Advanced ID | Hub Size  |
|--|-------------|-----------|
| <b>Stamped Steel Construction</b>      |             |           |
| 180                                    | 88067827    | 1/2 in.   |
| 280                                    | 88067856    | 3/4 in.   |
| 380                                    | 88067872    | 1 in.     |
| 480                                    | 88067895    | 1 1/4 in. |
| 580                                    | 88067917    | 1 1/2 in. |
| 680                                    | 88067942    | 2 in.     |
| <b>Feraloy Iron Alloy Construction</b> |             |           |
| 180F                                   | 88067828    | 1/2 in.   |
| 280F                                   | 88067857    | 3/4 in.   |
| 380F                                   | 88067873    | 1 in.     |
| 480F                                   | 88067896    | 1 1/4 in. |
| 580F                                   | 88067918    | 1 1/2 in. |
| 680F                                   | 88067943    | 2 in.     |

### Covers for Mark 9 Conduit Outlet Bodies

Cooper Crouse-Hinds

#### Features

- All Aluminum Construction
- Stainless Steel Self-Retaining Cover Screws are Standard

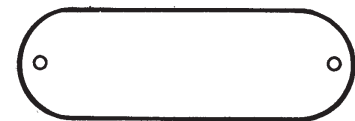


| Mfg. No. | Advanced ID | Hub Size       |
|----------|-------------|----------------|
| 190      | 88067829    | 1/2 in.        |
| 290      | 88067858    | 3/4 in.        |
| 390      | 88067875    | 1 in.          |
| 490      | 88067897    | 1 1/4 in.      |
| 590      | 88067919    | 1 1/2 in.      |
| 690      | 88067944    | 2 in.          |
| 889      | 88067959    | 2 1/2 in.      |
| 989      | 88067966    | 3 1/2 to 4 in. |

### Neoprene Gaskets for Series 5 Conduit Outlet Bodies

Cooper Crouse-Hinds

For use with Rigid / IMC Conduit Bodies.



| Mfg. No. | Advanced ID | Hub Size           |
|----------|-------------|--------------------|
| GASK015N | 89062728    | 1/2 in.            |
| GASK025N | 89062727    | 3/4 in.            |
| GASK035N | 89062726    | 1 in.              |
| GASK045N | 89062725    | 1 1/4 to 1 1/2 in. |
| GASK065N | 89062724    | 2 in.              |
| GASK085N | 89062723    | 2 1/2 to 3 in.     |
| GASK095N | 89062722    | 3 1/2 to 4 in.     |

### Blank Covers for BLB and BUB Mogul Series Conduit Outlet Bodies

Cooper Crouse-Hinds

#### Features

- Feraloy® Iron Alloy Construction
- Includes Stainless Steel Cover Screws and Rounded Neoprene Gasket



| Mfg. No. | Advanced ID | Hub Size       |
|----------|-------------|----------------|
| BG48     | 88068794    | 1 to 1 1/4 in. |
| BG68     | 88068798    | 1 1/2 to 2 in. |
| BG88     | 88068802    | 2 1/2 to 3 in. |
| BG98     | 88068806    | 3 1/2 to 4 in. |

### Gaskets for Form 5 Conduit Outlet Bodies

Cooper Crouse-Hinds

Features

- Solid Neoprene
- Gaskets May be Converted to Open Type by Pulling Out Perforated Center Section



| Mfg. No. | Advanced ID     | Hub Size           |
|----------|-----------------|--------------------|
| GK50N    | <b>22005024</b> | 1/2 in.            |
| GK75N    | <b>22005025</b> | 3/4 in.            |
| GK100N   | <b>22005021</b> | 1 in.              |
| GK125N   | <b>22005022</b> | 1 1/4 to 1 1/2 in. |
| GK200N   | <b>22005023</b> | 2 in.              |
| GK250N   | <b>22004697</b> | 2 1/2 to 3 in.     |
| GK350N   | <b>22004698</b> | 3 1/2 to 4 in.     |

### Gaskets for Form 8 Conduit Outlet Bodies

Cooper Crouse-Hinds

Features

- Solid Neoprene Construction
- Center Open Design
- Suitable for Use with All Form 8 Bodies



| Mfg. No. | Advanced ID     | Hub Size       |
|----------|-----------------|----------------|
| GASK851N | <b>88072698</b> | 1/2 in.        |
| GASK852N | <b>88272699</b> | 3/4 in.        |
| GASK853N | <b>88072700</b> | 1 in.          |
| GASK805N | <b>88072694</b> | 1 1/2 in.      |
| GASK806N | <b>88072695</b> | 2 in.          |
| GASK808N | <b>88072696</b> | 2 1/2 to 3 in. |
| GASK809N | <b>88072697</b> | 3 1/2 in.      |

### Gaskets for Form 7 Outlet Bodies and Wedgenut Covers

Cooper Crouse-Hinds

Features

- Solid Neoprene Construction
- Suitable for Use with All Form 7 Bodies



| Mfg. No. | Advanced ID     | Hub Size            |
|----------|-----------------|---------------------|
| GASK571  | <b>88072673</b> | 1/2 in.             |
| GASK572  | <b>88072674</b> | 3/4 in.             |
| GASK573  | <b>88072675</b> | 1 in.               |
| GASK574  | <b>88072676</b> | 1 1/4 in.           |
| GASK575  | <b>88072677</b> | 1 1/2 in.           |
| GASK576  | <b>88072678</b> | 2 in.               |
| GASK578  | <b>88072679</b> | 2 1/2 in. and 3 in. |
| GASK579  | <b>88072680</b> | 3 1/2 in. and 4 in. |

### Gaskets for Mark 9 Conduit Outlet Bodies

Cooper Crouse-Hinds

Features

- Solid Neoprene Construction
- Sizes 1/2 in. to 2 in. can be Converted to Center Open by Tearing Out Center Section Along Scored Lines
- Center Open Design Standard on Sizes 2 1/2 to 4 in.
- Suitable for Use with All Mark 9 Bodies



| Mfg. No. | Advanced ID     | Hub Size        |
|----------|-----------------|-----------------|
| GASK1941 | <b>88072645</b> | 1/2 in.         |
| GASK1942 | <b>88072646</b> | 3/4 in.         |
| GASK1943 | <b>88072647</b> | 1 in.           |
| GASK1945 | <b>88072649</b> | 1 1/2 in.       |
| GASK1946 | <b>88072650</b> | 2 in.           |
| GASK808N | <b>88072696</b> | 2 1/2 and 3 in. |
| GASK809N | <b>88072697</b> | 4 in.           |

### FD and FS Series Conduit® Cast Device Boxes

Cooper Crouse-Hinds

For use with rigid conduit and IMC.

#### Features

- Suitable for Use in Wet Locations When Used with Gasketed Covers
- Mounting Lugs Provided for Surface Mount Applications
- Taper Tapped Hubs Insure Positive Grounding Continuity
- Integral Bushings in Conduit Hubs Protect Conductor Insulation from Damage
- Internal Green Ground Screw is Standard on All Boxes
- Available as Shallow (FS) or Deep (FD) Configuration; "C" in Mfg. No. = Feed-Thru
- Galvanized Feraloy® Iron Construction with Aluminum Acrylic Paint Finish
- Meets UL 514A and CSA C22.2



FS1, FD1



FSC1, FDC1

| Mfg. No.                                     | Advanced ID | Hub Size |
|--|-------------|----------|
| <b>Single Gang Device Boxes</b>              |             |          |
| <b>Shallow Single-Hub Opening</b>            |             |          |
| FS1  | 88072477    | 1/2 in.  |
| FS2  | 88072486    | 3/4 in.  |
| FS3  | 88072496    | 1 in.    |
| <b>Deep Single-Hub Opening</b>               |             |          |
| FD1  | 88072335    | 1/2 in.  |
| FD2  | 88072339    | 3/4 in.  |
| FD3  | 88072345    | 1 in.    |
| <b>Shallow Two-Hub Opening</b>               |             |          |
| FSC1   | 88072502    | 1/2 in.  |
| FSC2   | 88072509    | 3/4 in.  |
| FSC3   | 88072517    | 1 in.    |
| <b>Deep Two-Hub Opening</b>                  |             |          |
| FDC1   | 88072350    | 1/2 in.  |
| FDC2   | 88072354    | 3/4 in.  |
| FDC3   | 88072359    | 1 in.    |
| <b>Shallow Three-Hub Opening</b>             |             |          |
| FSCC1  | 88072522    | 1/2 in.  |
| FSCC2  | 88072523    | 3/4 in.  |
| <b>Deep Three-Hub Opening</b>                |             |          |
| FDCC1  | 88072362    | 1/2 in.  |
| FDCC2  | 88072363    | 3/4 in.  |
| <b>Shallow Two-Hub Opening One Side</b>      |             |          |
| FSS2   | 88072588    | 3/4 in.  |
| <b>Deep Two-Hub Opening One Side</b>         |             |          |
| FDD2   | 88072369    | 3/4 in.  |
| <b>Shallow Three-Hub Opening Three Sides</b> |             |          |
| FSCT2  | 88072527    | 3/4 in.  |
| FST2   | 88072596    | 3/4 in.  |
| <b>Deep Three-Hub Opening Three Sides</b>    |             |          |
| FDCT2  | 88072365    | 3/4 in.  |
| FDT2   | 88072382    | 3/4 in.  |
| <b>Shallow Four-Hub Opening Four Sides</b>   |             |          |
| FSX2   | 88072598    | 3/4 in.  |
| <b>Deep Four-Hub Opening Four Sides</b>      |             |          |
| FDX2   | 88072397    | 3/4 in.  |
| <b>2 Gang Device Boxes - Tandem</b>          |             |          |
| <b>Shallow One-Opening One Side</b>          |             |          |
| <b>2 Double Gang Device Boxes</b>            |             |          |
| FS17   | 88072485    | 1/2 in   |
| FS27   | 88072495    | 3/4 in   |
| <b>Shallow Single-Opening One Side</b>       |             |          |
| FS12   | 88072482    | 1/2 in   |
| FS22   | 88072491    | 3/4 in   |
| <b>Deep Single-Opening One Side</b>          |             |          |
| FD12   | 88072338    | 1/2 in.  |
| FD22   | 88072342    | 3/4 in   |
| <b>Shallow Two-Opening Two Sides</b>         |             |          |
| FSC222                                       | 88072514    | 3/4 in   |
| <b>Deep Two-Opening Two Sides</b>            |             |          |
| FDC222                                       | 88072357    | 3/4 in   |
| <b>Shallow Two-Hub Opening One Side</b>      |             |          |
| FSS222                                       | 88072590    | 3/4 in   |
| <b>Deep Two-Hub Opening One Side</b>         |             |          |
| FDS222                                       | 88072380    | 3/4 in   |



## GUA Series Hazardous Location Condulet® Round Conduit Outlet Boxes with Blank Covers

Cooper Crouse-Hinds

Used in hazardous locations as pull and splice boxes, outlet and wiring device boxes, unions and elbows and to provide access to conductors for future expansion.

### Features

- Threaded for Use with Rigid Conduit and IMC
- Neoprene O-Ring is Standard to Meet NEMA 4 Requirements
- Cast Brackets on Cover Permit Use of Breaker Bar for Easy Tightening or Removal of Cover
- Integral Bushing in Conduit Hubs Protect Conductor Insulation from Damage
- Taper Tapped Hubs Insure Positive Ground Continuity
- Internally Threaded Bodies are Constructed of Galvanized Feraloy® Iron Alloy with Aluminum Acrylic Paint Finish
- Externally Threaded Covers are Constructed of Copper-Free Aluminum with Natural Finish
- Includes Internal Green Ground Screw
- Meets UL 886, CSA C22.2, NEC/CED and NEMA 3,4



| Mfg. No.                                 | Advanced ID | Cover Opening Dia.                | Hub Size                          |
|--|-------------|-----------------------------------|-----------------------------------|
| <b>Type GUA - Single Hub</b>             |             |                                   |                                   |
| GUA14                                    | 88072805    | 2 in.                             | 1/2 in.                           |
| GUA24                                    | 88072808    | 2 in.                             | 3/4 in.                           |
| GUA16                                    | 88072806    | 3 in.                             | 1/2 in.                           |
| GUA26                                    | 88072809    | 3 in.                             | 3/4 in.                           |
| GUA36                                    | 88072811    | 3 in.                             | 1 in.                             |
| GUA47                                    | 88072813    | 3 <sup>5</sup> / <sub>8</sub> in. | 1 <sup>1</sup> / <sub>4</sub> in. |
| GUA59                                    | 88072816    | 5 in.                             | 1 <sup>1</sup> / <sub>2</sub> in. |
| <b>Type GUAB - Bottom and Side Hubs</b>  |             |                                   |                                   |
| GUAB14                                   | 88072817    | 2 in.                             | 1/2 in.                           |
| GUAB16                                   | 88072818    | 3 in.                             | 1/2 in.                           |
| GUAB24                                   | 88072820    | 2 in.                             | 3/4 in.                           |
| GUAB26                                   | 88072821    | 3 in.                             | 3/4 in.                           |
| GUAB36                                   | 88072823    | 3 in.                             | 1 in.                             |
| GUAB47                                   | 88072825    | 3 <sup>5</sup> / <sub>8</sub> in. | 1 <sup>1</sup> / <sub>4</sub> in. |
| GUAB59                                   | 88072827    | 5 in.                             | 1 <sup>1</sup> / <sub>2</sub> in. |
| GUAB69                                   | 88072829    | 5 in.                             | 2 in.                             |
| <b>Type GUAC - 2 Hubs Opposite Sides</b> |             |                                   |                                   |
| GUAC14                                   | 88072831    | 2 in.                             | 1/2 in.                           |
| GUAC24                                   | 88072835    | 2 in.                             | 3/4 in.                           |
| GUAC16                                   | 88072832    | 3 in.                             | 1/2 in.                           |
| GUAC26                                   | 88072836    | 3 in.                             | 3/4 in.                           |
| GUAC36                                   | 88072839    | 3 in.                             | 1 in.                             |
| GUAC47                                   | 88072842    | 3 <sup>5</sup> / <sub>8</sub> in. | 1 <sup>1</sup> / <sub>4</sub> in. |
| GUAC59                                   | 88072845    | 5 in.                             | 1 <sup>1</sup> / <sub>2</sub> in. |
| GUAC69                                   | 88072847    | 5 in.                             | 2 in.                             |
| <b>Type GUAL - 2 Hubs Left Angle</b>     |             |                                   |                                   |
| GUAL14                                   | 88072870    | 2 in.                             | 1/2 in.                           |
| GUAL16                                   | 88072871    | 3 in.                             | 1/2 in.                           |
| GUAL24                                   | 88072874    | 2 in.                             | 3/4 in.                           |
| GUAL26                                   | 88072875    | 3 in.                             | 3/4 in.                           |
| GUAL36                                   | 88072878    | 3 in.                             | 1 in.                             |
| GUAL47                                   | 88072881    | 3 <sup>5</sup> / <sub>8</sub> in. | 1 <sup>1</sup> / <sub>4</sub> in. |
| GUAL49                                   | 88072883    | 5 in.                             | 1 <sup>1</sup> / <sub>4</sub> in. |
| GUAL59                                   | 88072884    | 5 in.                             | 1 <sup>1</sup> / <sub>2</sub> in. |
| GUAL69                                   | 88072886    | 5 in.                             | 2 in.                             |

Continued ➤



### GUA Series Hazardous Location Condulet® Round Conduit Outlet Boxes with Blank Covers

Cooper Crouse-Hinds

| Mfg. No.                        | Advanced ID | Cover Opening Dia.                | Hub Size                          |
|---------------------------------|-------------|-----------------------------------|-----------------------------------|
| <b>Type GUAN - 2 Hubs Right</b> |             |                                   |                                   |
| GUAN14                          | 88072894    | 2 in.                             | 1/2 in.                           |
| GUAN24                          | 88072896    | 2 in.                             | 3/4 in.                           |
| GUAN16                          | 88072895    | 3 in.                             | 1/2 in.                           |
| GUAN26                          | 88072897    | 3 in.                             | 3/4 in.                           |
| GUAN36                          | 88072898    | 3 in.                             | 1 in.                             |
| GUAN47                          | 88072899    | 3 <sup>5</sup> / <sub>8</sub> in. | 1 <sup>1</sup> / <sub>4</sub> in. |
| GUAN59                          | 88072900    | 5 in.                             | 1 <sup>1</sup> / <sub>2</sub> in. |
| GUAN69                          | 88072901    | 5 in.                             | 2 in.                             |
| <b>Type GUAT - 3 Side Hubs</b>  |             |                                   |                                   |
| GUAT14                          | 88072904    | 2 in.                             | 1/2 in.                           |
| GUAT16                          | 88072905    | 3 in.                             | 1/2 in.                           |
| GUAT24                          | 88072908    | 2 in.                             | 3/4 in.                           |
| GUAT26                          | 88072909    | 3 in.                             | 3/4 in.                           |
| GUAT36                          | 88072912    | 3 in.                             | 1 in.                             |
| GUAT37                          | 88072915    | 3 <sup>5</sup> / <sub>8</sub> in. | 1 in.                             |
| GUAT47                          | 88072916    | 3 <sup>5</sup> / <sub>8</sub> in. | 1 <sup>1</sup> / <sub>4</sub> in. |
| GUAT49                          | 88072918    | 5 in.                             | 1 <sup>1</sup> / <sub>4</sub> in. |
| GUAT59                          | 88072919    | 5 in.                             | 1 <sup>1</sup> / <sub>2</sub> in. |
| GUAT69                          | 88072921    | 5 in.                             | 2 in.                             |
| <b>Type GUAX - 4 Side Hubs</b>  |             |                                   |                                   |
| GUAX14                          | 88072927    | 2 in.                             | 1/2 in.                           |
| GUAX16                          | 88072928    | 3 in.                             | 1/2 in.                           |
| GUAX24                          | 88072931    | 2 in.                             | 3/4 in.                           |
| GUAX26                          | 88072932    | 3 in.                             | 3/4 in.                           |
| GUAX36                          | 88072936    | 3 in.                             | 1 in.                             |
| GUAX37                          | 88072939    | 3 <sup>5</sup> / <sub>8</sub> in. | 1 in.                             |
| GUAX47                          | 88072940    | 3 <sup>5</sup> / <sub>8</sub> in. | 1 <sup>1</sup> / <sub>4</sub> in. |
| GUAX49                          | 88072942    | 5 in.                             | 1 <sup>1</sup> / <sub>4</sub> in. |
| GUAX59                          | 88072943    | 5 in.                             | 1 <sup>1</sup> / <sub>2</sub> in. |
| GUAX69                          | 88072945    | 5 in.                             | 2 in.                             |

### Hazardous Location Conduit Unions - Types UNF and UNY

Cooper Crouse-Hinds

Used for joining conduit to a fitting, junction box or enclosure (UNY) or to connect conduit to conduit (UNF).

#### Features

- Threaded for Use with Rigid Conduit or IMC
- Compact Design Permits Assembly with a Minimum of Clearance to Adjacent Conduit or Equipment
- UNF and UNY Sizes 1/2 in. to 1 in. are Constructed of Galvanized Steel
- UNF and UNY Sizes 1 1/4 in. to 6 in. UNL ELLs are Constructed of Galvanized Feraloy® Iron with Aluminum Acrylic Paint Finish
- Meets UL 886, CSA C22.2 and NEC/CEC



UNF105



UNY105

| Mfg. No.  | Advanced ID | Description                       |
|---|-------------|-----------------------------------|
| <b>UNF Female to Female Union - Steel - Straight</b>        |             |                                   |
| UNF105*   | 88074867    | 1/2 in. Hub, Female Threaded      |
| UNF205*   | 88074870    | 3/4 in. Hub, Female Threaded      |
| UNF305*   | 88074874    | 1 in. Hub, Female Threaded        |
| <b>UNF Female to Female Union - Feraloy Iron - Straight</b> |             |                                   |
| UNF405  | 88074877    | 1 1/4 in. Hub, Female Threaded    |
| UNF505  | 88074880    | 1 1/2 in. Hub, Female Threaded    |
| UNF605  | 88074883    | 2 in. Hub, Female Threaded        |
| UNF805  | 88074888    | 3 in. Hub, Female Threaded        |
| UNF1005   | 88074865    | 4 in. Hub, Female Threaded        |
| <b>UNY Male to Female Union - Steel</b>                     |             |                                   |
| UNY105*   | 88074929    | 1/2 in. Hub, Male/Female Threaded |
| UNY205*   | 88074932    | 3/4 in. Hub, Male/Female Threaded |
| UNY305*   | 88074936    | 1 in. Hub, Male/Female Threaded   |

| Mfg. No.                                       | Advanced ID | Description            |
|--|-------------|------------------------|
| <b>UNY Male to Female Union - Feraloy Iron</b> |             |                        |
| UNY405   | 88074939    | Union, 1 1/4 in. Rigid |
| UNY406†  | 88074941    | Union, 1 1/4 in.       |
| UNY505   | 88074942    | Union, 1 1/2 in. Rigid |
| UNY506†  | 88074944    | Union, 1 1/2 in. Rigid |
| UNY605   | 88074945    | Union, 2 in. Rigid     |
| UNY606†  | 88074947    | Union, 2 in. Rigid     |
| UNY705   | 88074948    | Union, 2 1/2 in. Rigid |
| UNY805   | 88074950    | Union, 3 in. Rigid     |
| UNY806†  | 92137982    | Union, 3 in.           |
| UNY1005  | 88074927    | Union, 4 in. Rigid     |

\* Suitable for use in Class 1, Groups A and B

† Suitable for use in Class 1, Group B areas

All others suitable for use in Class 1, Groups C & D areas

### EL Series Hazardous Location Elbows

Cooper Crouse-Hinds



Used to change conduit direction by 90° or when terminating at a box or fitting.

#### Features

- Smooth Interior for Easy Pulling
- Galvanized Feraloy® Iron Alloy Construction with Aluminum Acrylic Paint Finish
- Compact Rugged Design
- Meets UL 886, CSA C22.2 and NEC

| Mfg. No.                     | Advanced ID     | Trade Size (in.) | Degree of Bend | Min. UL Radius (in.)                                   |
|------------------------------|-----------------|------------------|----------------|--|
| <b>90° Female</b>            |                 |                  |                |  |
| EL19                         | <b>88071154</b> | 1/2 in.          | 90°            | 1 <sup>17</sup> / <sub>32</sub> in., at center of bend |
| EL29                         | <b>88071160</b> | 3/4 in.          | 90°            | 1 <sup>3</sup> / <sub>4</sub> in., at center of bend   |
| <b>90° Male</b>              |                 |                  |                |  |
| EL195                        | <b>88071156</b> | 1/2 in.          | 90°            | 1 <sup>7</sup> / <sub>16</sub> in., at center of bend  |
| EL295                        | <b>88071162</b> | 3/4 in.          | 90°            | 1 <sup>5</sup> / <sub>8</sub> in., at center of bend   |
| <b>90° Male &amp; Female</b> |                 |                  |                |  |
| EL196                        | <b>88071157</b> | 1/2 in.          | 90°            | 1 <sup>17</sup> / <sub>32</sub> in., at center of bend |
| EL296                        | <b>88071163</b> | 3/4 in.          | 90°            | 1 <sup>5</sup> / <sub>8</sub> in., at center of bend   |

### PLG Series Hazardous Location Threaded Plugs

Cooper Crouse-Hinds



Used to close threaded conduit hubs.

#### Features

- Features Clean, Tapered Threads
- Recessed Head for Flush Mounting Requirements
- Galvanized Feraloy® Iron Construction with Aluminum Acrylic Paint Finish
- Meets UL 886, CSA C22.2 and NEC

| Mfg. No. | Advanced ID     | Trade Size |
|----------|-----------------|------------|
| PLG1     | <b>88074309</b> | 1/2 in.    |
| PLG2     | <b>88074317</b> | 3/4 in.    |
| PLG3     | <b>88074321</b> | 1 in.      |
| PLG4     | <b>88074325</b> | 1 1/4 in.  |
| PLG5     | <b>88074329</b> | 1 1/2 in.  |
| PLG6     | <b>88074333</b> | 2 in.      |
| PLG8     | <b>88074341</b> | 3 in.      |
| PLG10    | <b>88074311</b> | 4 in.      |

### Chico A and AP Series Sealing Compound

Cooper Crouse-Hinds



Chico-A05



CHICO-A19-PX

For use in sealing fittings and hubs.

#### Features

- Mixes with Water and Pours Easily
- Expands Slightly when Hardening and Bonds to Inner Walls of Sealing Fitting
- Hardens in 60 to 70 Minutes
- Available in Bulk or in Individual Intrapak Mixing Pouches
- Mixing Pouches Include an Integral Pouring Spout and are Portioned to Seal a Variety of Fill Volumes

| Mfg. No.  | Advanced ID     | Volume      | Container Size |
|---|-----------------|-------------|----------------|
| <b>Chico A - Bulk Packaging</b>                                   |                 |             |                |
| CHICO-A3  | <b>88069541</b> | 23 cu. in.  | 1 lb           |
| CHICO-A05   | <b>88069536</b> | 115 cu. in. | 5 lb           |
| <b>Chico A with 1 ounce Chico X Fiber Filler - Bulk Packaging</b> |                 |             |                |
| CHICO-A4  | <b>88069543</b> | 23 cu. in.  | 1 lb           |
| <b>Chico A - Individual Mixing Pouches</b>                        |                 |             |                |
| CHICO-A19-PX  | <b>88069537</b> | 25 cu. in.  | 5 packs        |
| CHICO-A39-PX  | <b>88069542</b> | 55 cu. in.  | 5 packs        |

Advanced provides electrical and communication products to Government Agencies under GSA schedules #GS-07F-9462G and #GS-35F-0374M.

### Chico SpeedSeal Compound

Cooper Crouse-Hinds

Designed to separate and form an explosion-proof seal around each electrical conductor in Crouse-Hinds EYS and EYS Sealing Fittings. Restricts the passage of gases, vapors and flames through the sealing fitting.



#### Features

- Installs a Reliable Seal in Five Minutes - Every Time
- Hardens to a Dense Strong Mass that is Suitable for Class I, Division 1, Groups C and D and Class II, Division 1, Groups E, F and G Hazardous Applications
- UL and CUL Listed for Use with 1/2 in. to 2 in. Crouse-Hinds Sealing Fittings Only
- Packaged with a Screw on Nozzle for Accurate Dispensing
- Packaged in a 2 oz. or 6 oz. Pre-Measured Cartridge, Eliminating the Need for Measuring Before Mixing
- Expands Four Times its Original Size in the Sealing Fitting, Eliminating the Need to Separate the Individual Conductors with Chico X Fiber
- Completely Hardens in 20 Minutes, Simplifying Use for OEMs
- One Year Shelf Life
- Suitable for Cold Temperature Environments Without the Costly Need to Build a Temporary Shelter

| Mfg. No.  | Advanced ID              | Volume | Container Size |
|-----------|--------------------------|--------|----------------|
| CHICO SS2 | <a href="#">22065792</a> | -      | 2 oz.          |
| CHICO SS6 | <a href="#">22065793</a> | -      | 6 oz.          |

### Chico X Series Sealing Fiber Filler

Cooper Crouse-Hinds

Use to form a dam around the integral bushing of the sealing fitting and the end of the conduit and around the conductors entering the hub.



#### Features

- Mineral Wool Material Packs Easily
- Provides a Dam to Hold Sealing Compound in Place While it Hardens

| Mfg. No. | Advanced ID              | Volume | Container Size |
|----------|--------------------------|--------|----------------|
| CHICO-X4 | <a href="#">88069546</a> | -      | 2 oz.          |
| CHICO-X6 | <a href="#">88069548</a> | -      | 8 oz.          |
| CHICO-X7 | <a href="#">88069549</a> | -      | 16 oz.         |

### EYS Tool Kit

Cooper Crouse-Hinds

Handy kit provides the user with labor savings and additional piece of mind.

#### Features

- Efficiently Assists End User in Safely Packing Chico X Fiber Dam in Explosion-proof Seal
- Tools are Made of Smooth Durable Plastic for Non-abrading Electrical Insulation
- Numbered for Easy Identification
- Packaged in a Canvas Bag



| Mfg. No.     | Advanced ID              | Volume | Container Size |
|--------------|--------------------------|--------|----------------|
| EYS TOOL KIT | <a href="#">22078625</a> | -      | -              |

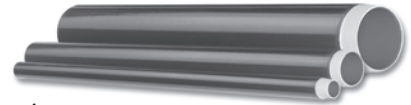
### PVC Coated Rigid Metal Conduit

Robroy Industries

PVC coated rigid metal conduit with red urethane interior coating protects conductors from mechanical damage and corrosive attack. Electrical continuity is maintained across assembled joints.

#### Benefits

- UL Listed (Standard 6)



#### Features

- 40 Mil Gray PVC Exterior Coating
- Two Mil Red Urethane Interior Coating
- PROTECH Threads - a Clear Urethane Coating Over Hot Galvanized Threads
- 12 Trade Sizes from 1/2 Through 6 in.
- Shipped in 10 ft. Lengths
- Plastic Thread Protector Caps are Color Coded for Quick Identification of Conduit Size

| Mfg. No.         | Advanced ID              | Weight per 100 Foot (lb) |
|------------------|--------------------------|--------------------------|
| PRHCONDUIT-1/2   | <a href="#">98311124</a> | 85                       |
| PRHCONDUIT-3/4   | <a href="#">88225178</a> | 112                      |
| PRHCONDUIT-1     | <a href="#">88225167</a> | 164                      |
| PRHCONDUIT-1-1/4 | <a href="#">88225174</a> | 217                      |
| PRHCONDUIT-1-1/2 | <a href="#">88225173</a> | 268                      |
| PRHCONDUIT-2     | <a href="#">88225168</a> | 358                      |
| PRHCONDUIT-2-1/2 | <a href="#">98408481</a> | 546                      |
| PRHCONDUIT-3     | <a href="#">98408482</a> | 708                      |
| PRHCONDUIT-3-1/2 | <a href="#">98408483</a> | 851                      |
| PRHCONDUIT-4     | <a href="#">98408484</a> | 1009                     |
| PRHCONDUIT-5     | <a href="#">98408485</a> | 1337                     |
| PRHCONDUIT-6     | <a href="#">98408486</a> | 1993                     |

## Standard Radius PVC Coated Elbows

Robroy Industries

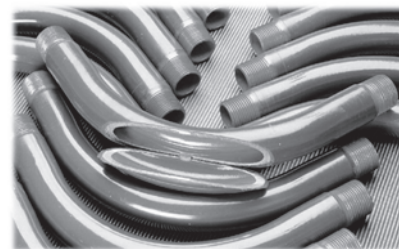
PLASTI-BOND REDH<sub>2</sub>OT factory bent standard radius elbows are available and ready to ship. Factory bent elbows are more accurate, quicker to install and more economical, because they save field bending time and do not waste materials.

### Benefits

- UL Listed, (Standard 6)

### Features

- 40 Mil Gray PVC Exterior Coating
- Two Mil Red Urethane Interior and Thread Coating
- 12 Trade Sizes from 1/2 Through 6 in.
- Available in 90°, 60°, 45° and 30° Bends
- Plastic Thread Protector Caps are Color Coded for Quick Identification of Conduit Sizes



| Mfg. No.        | Advanced ID | Trade Size (in.) | Degree of Bend | Min. UL Radius (in.)         |
|-----------------|-------------|------------------|----------------|------------------------------|
| PRHELB 1/2X90   | 98311130    | 1/2 in.          | 90°            | 4.25 in., at Center of Bend  |
| PRHELB 3/4X90   | 99628169    | 3/4 in.          | 90°            | 4.50 in., at Center of Bend  |
| PRHELB 1X90     | 98311132    | 1 in.            | 90°            | 5.75 in., at Center of Bend  |
| PRHELB 1-1/4X90 | 98311134    | 1 1/4 in.        | 90°            | 7.25 in., at Center of Bend  |
| PRHELB 1-1/2X90 | 98311135    | 1 1/2 in.        | 90°            | 8.25 in., at Center of Bend  |
| PRHELB 2X90     | 98311543    | 2 in.            | 90°            | 9.50 in., at Center of Bend  |
| PRHELB 2-1/2X90 | 98408487    | 2 1/2 in.        | 90°            | 10.50 in., at Center of Bend |
| PRHELB 3X90     | 98408488    | 3 in.            | 90°            | 13.00 in., at Center of Bend |
| PRHELB 3-1/2X90 | 98408489    | 3 1/2 in.        | 90°            | 15.00 in., at Center of Bend |
| PRHELB 4X90     | 98408490    | 4 in.            | 90°            | 16.00 in., at Center of Bend |

## PVC Coated Couplings

Robroy Industries

PVC coated rigid metal conduit couplings with red urethane interior coating connects coated conduit sections. PVC sleeves on couplings seal off on conduit PVC coating when assembled to prevent corrosive liquids and vapors from attacking threaded joints.

### Benefits

- UL Listed Standard 6

### Features

- 40 Mil Gray PVC Exterior Coating
- Two Mil Red Urethane Interior Coating Over Galvanized Threads
- 12 Trade Sizes from 1/2 through 6 in.
- Sealing Sleeves on Both Ends
- Molded External Ribs on 1/2 - 4 in. to Prevent Tool Damage During Assembly
- Couplings are Straight Tapped



| Mfg. No.     | Advanced ID | Type       | Trade Size | Material |
|--------------|-------------|------------|------------|----------|
| PRCPLG-1/2   | 88225157    | PVC Coated | 1/2 in.    | Steel    |
| PRCPLG-3/4   | 88225162    | PVC Coated | 3/4 in.    | Steel    |
| PRCPLG-1     | 88225158    | PVC Coated | 1 in.      | Steel    |
| PRCPLG-1-1/4 | 88225156    | PVC Coated | 1 1/4 in.  | Steel    |
| PRCPLG-1-1/2 | 88225155    | PVC Coated | 1 1/2 in.  | Steel    |
| PRCPLG-2     | 88225160    | PVC Coated | 2 in.      | Steel    |
| PRCPLG-2-1/2 | 98408493    | PVC Coated | 2 1/2 in.  | Steel    |
| PRCPLG-3     | 98408494    | PVC Coated | 3 in.      | Steel    |
| PRCPLG-3-1/2 | 98408495    | PVC Coated | 3 1/2 in.  | Steel    |
| PRCPLG-4     | 98408496    | PVC Coated | 4 in.      | Steel    |
| PRCPLG-5     | 98408497    | PVC Coated | 5 in.      | Steel    |
| PRCPLG-6     | 98408498    | PVC Coated | 6 in.      | Steel    |

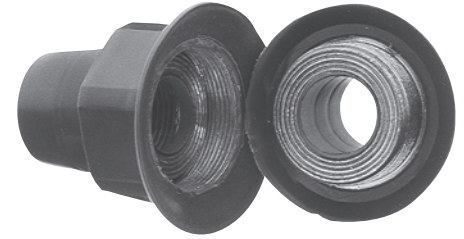
### Conduit Unions

#### Robroy Industries

PLASTI-BOND REDH<sub>2</sub>OT UNF unions are used to connect conduit to conduit or to allow for future changes to the conduit system. Female threads are provided at each end. PLASTI-BOND REDH<sub>2</sub>OT UNY unions are used to connect conduit to a conduit fitting, junction box, or device enclosure. One end is a male thread and the other is female.

#### Features

- 40 Mil Gray PVC Exterior Coating
- Two Mil Red Urethane Interior Coating
- 13 Trade Sizes from 1/2 Through 6 in.
- Sealing Sleeves on All Conduit Openings
- Molded PVC Gasket Seals Fitting



| Mfg. No.          | Advanced ID | Description                             |
|-------------------|-------------|---|
| <b>UNF Unions</b> |             |   |
| PRUNF105          | 88226196    | Conduit Union, Size 1/2 in., Type UNF   |
| PRUNF205          | 88226197    | Conduit Union, Size 3/4 in., Type UNF   |
| PRUNF305          | 88226198    | Conduit Union, Size 1 in., Type UNF     |
| PRUNF405          | 88226199    | Conduit Union, Size 1 1/4 in., Type UNF |
| PRUNF505          | 88226200    | Conduit Union, Size 1 1/2 in., Type UNF |
| PRUNF605          | 88226201    | Conduit Union, Size 2 in., Type UNF     |
| PRUNF705          | 88226202    | Conduit Union, Size 2 1/2 in., Type UNF |
| PRUNF805          | 88226203    | Conduit Union, Size 3 in., Type UNF     |
| PRUNF1005         | 88226195    | Conduit Union, Size 4 in., Type UNF     |
| <b>UNY Unions</b> |             |   |
| PRUNY105          | 88226206    | Conduit Union, Size 1/2 in., Type UNY   |
| PRUNY205          | 88226207    | Conduit Union, Size 3/4 in., Type UNY   |
| PRUNY305          | 88226208    | Conduit Union, Size 1 in., Type UNY     |
| PRUNY405          | 88226209    | Conduit Union, Size 1 1/4 in., Type UNY |
| PRUNY505          | 88226210    | Conduit Union, Size 1 1/2 in., Type UNY |
| PRUNY605          | 88226211    | Conduit Union, Size 2 in., Type UNY     |
| PRUNY705          | 88226212    | Conduit Union, Size 2 1/2 in., Type UNY |
| PRUNY805          | 88226213    | Conduit Union, Size 3 in., Type UNY     |
| PRUNY905          | 88226214    | Conduit Union, Size 3 1/2 in., Type UNY |
| PRUNY1005         | 88226205    | Conduit Union, Size 4 in., Type UNY     |



## PVC Coated Cast Device Boxes

### Robroy Industries

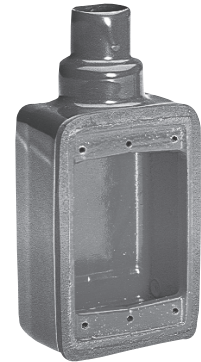
Plasti-Bond REDH<sub>2</sub>OT device boxes and covers are available in several configurations and may be used in coated conduit systems to accommodate wiring devices, to serve as pull boxes for conductors, or to allow for splices and taps in conductors. Covers are available separately.

#### Benefits

- UL Listed Standard 514B
- CSA Standard: C22.2 No. 18

#### Features

- 40 Mil Gray PVC Exterior Coating
- Two Mil Red Urethane Interior Coating
- Internal Green Grounding Screw is Standard
- Sealing Sleeves on All Conduit Openings
- Flat Molded PVC Gasket Mates with All Standard Covers
- One Opening One Side



| Mfg. No. | Advanced ID              | Description             | Dimensions                    | Gang Size            |
|----------|--------------------------|-------------------------|-------------------------------|----------------------|
| PRFS1    | <a href="#">88225677</a> | Device Box, 1/2 in., FS | 1.38 x 1.92 x 1.69 x 0.67 in. | Single-Gang Dead End |
| PRFS2    | <a href="#">88225679</a> | Device Box, 3/4 in., FS | 1.63 x 1.92 x 1.69 x 0.79 in. | Single-Gang Dead End |
| PRFS3    | <a href="#">88225681</a> | Device Box, 1 in., FS   | 2.00 x 1.92 x 1.69 x 0.92 in. | Single-Gang Dead End |
| PRFS12   | <a href="#">88225678</a> | Device Box, 1/2 in., FS | 1.38 x 1.92 x 1.69 x 0.67 in. | 2-Gang Dead End      |
| PRFS22   | <a href="#">88225680</a> | Device Box, 3/4 in., FS | 1.63 x 1.92 x 1.69 x 0.79 in. | 2-Gang Dead End      |
| PRFS32   | -                        | Device Box, 1 in., FS   | 2.00 x 1.92 x 1.69 x 0.92 in. | 2-Gang Dead End      |

## PVC Coated Knockout Hubs

### Robroy Industries

Knockout hubs are used to terminate conduit runs through the wall of a sheet metal electrical enclosure. They are available with or without grounding lug. STTB style hubs are "Through-Bulkhead" fittings used to pass conduit runs through firewalls or bulkheads up to 1/8 in. thick. STTB style hubs perform the same function for unlimited wall thicknesses, (furnished without nipples).

#### Benefits

- UL
- CSA

#### Features

- 40 Mil Gray PVC Exterior Coating
- Two Mil Red Urethane Interior Coating
- ST Available in 12 trade Sizes from 1/2 Through 6 in.
- Sealing Sleeves on Conduit Side of Hub
- Molded PVC Gasket Seals Flush with Enclosure Wall
- O-Ring Gasket Provides Additional Seal
- ST Style Knockout Hubs



| Mfg. No. | Advanced ID              | Description          | Material | Trade Size |
|----------|--------------------------|----------------------|----------|------------|
| PRST1    | <a href="#">88226122</a> | Knockout Conduit Hub | Steel    | 1/2 in.    |
| PRST2    | <a href="#">88226124</a> | Knockout Conduit Hub | Steel    | 3/4 in.    |
| PRST3    | <a href="#">88226125</a> | Knockout Conduit Hub | Steel    | 1 in.      |
| PRST4    | <a href="#">88226126</a> | Knockout Conduit Hub | Steel    | 1 1/4 in.  |
| PRST5    | <a href="#">88226127</a> | Knockout Conduit Hub | Steel    | 1 1/2 in.  |
| PRST6    | <a href="#">88226128</a> | Knockout Conduit Hub | Steel    | 2 in.      |
| PRST7    | <a href="#">88226129</a> | Knockout Conduit Hub | Steel    | 2 1/2 in.  |
| PRST8    | <a href="#">88226130</a> | Knockout Conduit Hub | Steel    | 3 in.      |
| PRST9    | <a href="#">88226131</a> | Knockout Conduit Hub | Steel    | 3 1/2 in.  |
| PRST10   | <a href="#">88226123</a> | Knockout Conduit Hub | Steel    | 4 in.      |
| PRST11   | <a href="#">88305528</a> | Knockout Conduit Hub | Steel    | 5 in.      |
| PRST12   | <a href="#">88305545</a> | Knockout Conduit Hub | Steel    | 6 in.      |



### Conduit Bodies for General Service Locations

Robroy Industries



Type LB and Cover



Type T

Conduit bodies with covers are offered in Form 8 and Form 7 styles, each with numerous configurations to provide a complete coated conduit system. May be used to make 90° bends, for pull outlets, to provide for taps or splices, to act as a mounting outlet for wiring devices or lighting fixtures etc. Form 8 style fittings 1/2 in. - 2 in. have an integral V-Seal gasket for superior corrosion protection. Electrical continuity of the conduit system is maintained across assembled joints.

#### Benefits

- UL Listed Standard 514B
- CSA Standard: C22.2 No. 18

#### Features

- 40 Mil Gray PVC Exterior Coating
- Two Mil Red Urethane Internal Coating
- 10 Trade Sizes from 1/2 Through 4 in.
- Sealing Sleeves on All Conduit Openings
- Form 7 Style Cover Uses Retained Stainless Steel Screw and Wedge Clip Design
- Form 8 Style Cover Uses Plastic Encapsulated Stainless Steel Screws with Retainers Built Into Covers for Trade Sizes 1/2 Through 2 in.
- Integral V-Seal Gasket on Form 8 Style, Sizes 1/2 Through 2 in.

| Mfg. No.             | Advanced ID | Hub Size  |
|----------------------|-------------|-----------|
| <b>Type T Form 8</b> |             |           |
| PRHT18               | 88226161    | 1/2 in.   |
| PRHT28               | 88226163    | 3/4 in.   |
| PRHT38               | 88226165    | 1 in.     |
| PRHT448              | 88226166    | 1 1/4 in. |
| PRHT58               | 88226169    | 1 1/2 in. |
| PRHT68               | 88226171    | 2 in.     |
| PRT78                | 88226173    | 2 1/2 in. |
| PRT88                | 88226175    | 3 in.     |
| PRT989               | 88226177    | 3 1/2 in. |
| PRT1089              | 88226159    | 4 in.     |
| <b>Type T Form 7</b> |             |           |
| PRT17                | 88226160    | 1/2 in.   |
| PRT27                | 88226162    | 3/4 in.   |
| PRT37                | 88226164    | 1 in.     |
| PRT47                | 88226167    | 1 1/4 in. |
| PRT57                | 88226168    | 1 1/2 in. |
| PRT67                | 88226170    | 2 in.     |
| PRT77                | 88226172    | 2 1/2 in. |
| PRT87                | 88226174    | 3 in.     |

Continued ➤

| Mfg. No.              | Advanced ID | Hub Size  |
|-----------------------|-------------|-----------|
| <b>Type T Form 7</b>  |             |           |
| PRT97                 | 88226176    | 3 1/2 in. |
| PRT107                | 88226158    | 4 in.     |
| <b>Type LB Form 7</b> |             |           |
| PRLB17                | 88225806    | 1/2 in.   |
| PRLB27                | 88225808    | 3/4 in.   |
| PRLB37                | 88225810    | 1 in.     |
| PRLB47                | 88225813    | 1 1/4 in. |
| PRLB57                | 88225814    | 1 1/2 in. |
| PRLB67                | 88225816    | 2 in.     |
| PRLB777               | 88225818    | 2 1/2 in. |
| PRLB87                | 88225820    | 3 in.     |
| PRLB97                | 88225822    | 3 1/2 in. |
| PRLB107               | 88225804    | 4 in.     |
| <b>Type LB Form 8</b> |             |           |
| PRHLB18               | 88225807    | 1/2 in.   |
| PRHLB28               | 88225809    | 3/4 in.   |
| PRHLB38               | 88225811    | 1 in.     |
| PRHLB448              | 88225812    | 1 1/4 in. |
| PRHLB58               | 88225815    | 1 1/2 in. |
| PRHLB68               | 88225817    | 2 in.     |
| PRLB78                | 88225819    | 2 1/2 in. |
| PRLB888               | 88225821    | 3 in.     |
| PRLB108               | 88225805    | 4 in.     |
| Footnote              |             |           |

### 90° PVC Coated Liquidtight Connectors

Robroy Industries

Liquidtight connectors are used with liquidtight conduit to wire motors, transformers, processing equipment, pumps, etc. The flexible conduit and the PVC coated connector work together to seal out water and other corrosive liquids, protecting the conductors from damage.



#### Benefits

- UL Standard 514B
- CSA Standard: C22.2 No. 18

#### Features

- 40 Mil Gray PVC Exterior Coating
- Two Mil Red Urethane Interior Coating
- 13 Trade Sizes from 3/8 Through 6 in.
- Sealing Sleeves on All Conduit Openings
- Also Available with An External Grounding Lug

| Mfg. No. | Advanced ID | Degree of |          | Trade Size | Material |
|----------|-------------|-----------|----------|------------|----------|
|          |             | Bend      | Type     |            |          |
| PR5351   | 88225422    | 90°       | Metallic | 3/8 in.    | Ferrous  |
| PR5352   | 88225423    | 90°       | Metallic | 1/2 in.    | Ferrous  |
| PR5353   | 88225424    | 90°       | Metallic | 3/4 in.    | Ferrous  |
| PR5354   | 88225425    | 90°       | Metallic | 1 in.      | Ferrous  |
| PR5355   | 88225426    | 90°       | Metallic | 1 1/4 in.  | Ferrous  |
| PR5356   | 88225427    | 90°       | Metallic | 1 1/2 in.  | Ferrous  |
| PR5357   | 88225428    | 90°       | Metallic | 2 in.      | Ferrous  |
| PR5358   | 88225429    | 90°       | Metallic | 2 1/2 in.  | Ferrous  |
| PR5359   | 88225430    | 90°       | Metallic | 3 in.      | Ferrous  |
| PR5360   | 88225431    | 90°       | Metallic | 4 in.      | Ferrous  |

## PVC Coated Liquidtight Connectors

### Robroy Industries

Liquidtight connectors are used with liquidtight conduit to wire motors, transformers, processing equipment, pumps, etc. The flexible conduit and the PVC coated connector work together to seal out water and other corrosive liquids, protecting the conductors from damage.

### Benefits

- UL Standard 514B
- CSA Standard: C22.2 No. 18

### Features

- 40 Mil Gray PVC Exterior Coating
- Two Mil Red Urethane Interior Coating
- 13 Trade Sizes from  $\frac{3}{8}$  Through 6 in.
- Sealing Sleeves on All Conduit Openings
- Also Available with An External Grounding Lug



| Mfg. No. | Advanced ID | Description                                   | Trade Size         | Material |
|----------|-------------|---|--------------------|----------|
| PR5332   | 88225402    | Liquidtight Connector Straight, Dia. 1.24 in. | $\frac{3}{8}$ in.  | Ferrous  |
| PR5333   | 88225403    | Liquidtight Connector Straight, Dia. 1.46 in. | $\frac{1}{2}$ in.  | Ferrous  |
| PR5334   | 88225404    | Liquidtight Connector Straight, Dia. 1.74 in. | $\frac{3}{4}$ in.  | Ferrous  |
| PR5335   | 88225405    | Liquidtight Connector Straight, Dia. 1.96 in. | 1 in.              | Ferrous  |
| PR5336   | 88225406    | Liquidtight Connector Straight, Dia. 2.36 in. | $1\frac{1}{4}$ in. | Ferrous  |
| PR5337   | 88225407    | Liquidtight Connector Straight, Dia. 2.80 in. | $1\frac{1}{2}$ in. | Ferrous  |
| PR5338   | 88225408    | Liquidtight Connector Straight, Dia. 3.33 in. | 2 in.              | Ferrous  |
| PR5339   | 88225409    | Liquidtight Connector Straight, Dia. 3.83 in. | $2\frac{1}{2}$ in. | Ferrous  |
| PR5340   | 88225410    | Liquidtight Connector Straight, Dia. 4.58 in. | 3 in.              | Ferrous  |
|          | 88225411    | Liquidtight Connector Straight, Dia. 5.58 in. | 4 in.              | Ferrous  |

### Conduit Pipe Straps, 1 and 2 Hole

Robroy Industries

PVC coated pipe straps are used to securely mount conduit to a wall or other structure for support. They are available in two styles: a one-hole malleable iron strap or a two-hole stamped steel strap. Mounting hardware not provided.



#### Features

- 20 Mil Gray PVC Exterior Coating
- 10 Trade Sizes from 1/2 Through 4 in.

| Mfg. No.            | Advanced ID | Trade Size | Mounting |          | For Use With   |
|---------------------|-------------|------------|----------|----------|----------------|
|                     |             |            | Holes    | Material |                |
| <b>1-Hole Strap</b> |             |            |          |          |                |
| PBPS11M             | 88225362    | 1/2 in.    | 1        | Ferrous  | Coated Conduit |
| PBPS22M             | 88225367    | 3/4 in.    | 1        | Ferrous  | Coated Conduit |
| PBPS33M             | 88225372    | 1 in.      | 1        | Ferrous  | Coated Conduit |
| PBPS44M             | 88225377    | 1 1/4 in.  | 1        | Ferrous  | Coated Conduit |
| PBPS55M             | 88225432    | 1 1/2 in.  | 1        | Ferrous  | Coated Conduit |
| PBPS66M             | 88225437    | 2 in.      | 1        | Ferrous  | Coated Conduit |
| PBPS77M             | 88225442    | 2 1/2 in.  | 1        | Ferrous  | Coated Conduit |
| PBPS88M             | 88225449    | 3 in.      | 1        | Ferrous  | Coated Conduit |
| PBPS99M             | 88225454    | 3 1/2 in.  | 1        | Ferrous  | Coated Conduit |
| PBPS100M            | 88225359    | 4 in.      | 1        | Ferrous  | Coated Conduit |
| <b>2-Hole Strap</b> |             |            |          |          |                |
| PBPS11S-2           | 88225364    | 1/2 in.    | 2        | Ferrous  | Coated Conduit |
| PBPS22S-2           | 88225369    | 3/4 in.    | 2        | Ferrous  | Coated Conduit |
| PBPS33S-2           | 88225374    | 1 in.      | 2        | Ferrous  | Coated Conduit |
| PBPS44S-2           | 88225379    | 1 1/4 in.  | 2        | Ferrous  | Coated Conduit |
| PBPS55S-2           | 88225434    | 1 1/2 in.  | 2        | Ferrous  | Coated Conduit |
| PBPS66S-2           | 88225439    | 2 in.      | 2        | Ferrous  | Coated Conduit |
| PBPS77S-2           | 88225444    | 2 1/2 in.  | 2        | Ferrous  | Coated Conduit |
| PBPS88S-2           | 88225451    | 3 in.      | 2        | Ferrous  | Coated Conduit |
| PBPS99S-2           | 88225456    | 3 1/2 in.  | 2        | Ferrous  | Coated Conduit |
| PBPS100S-2          | 88225361    | 4 in.      | 2        | Ferrous  | Coated Conduit |

### Conduit Clamp Back Spacers

Robroy Industries

PVC coated clamp back spacers are used with malleable or stamped pipe straps to provide a mounting stand-off for a conduit from a wall or other structure.



#### Features

- 20 Mil Gray PVC Exterior Coating
- 10 Trade Sizes from 1/2 Through 4 in.

| Mfg. No.   | Advanced ID | Description      | Trade Size | Mounting |          |
|------------|-------------|------------------|------------|----------|----------|
|            |             |                  |            | Holes    | Material |
| PBCLB-M50  | 88305546    | Stand-Off Spacer | 1/2 in.    | -        | Steel    |
| PBCLB-M75  | 88305547    | Stand-Off Spacer | 3/4 in.    | -        | Steel    |
| PBCLB-M100 | 88305548    | Stand-Off Spacer | 1 in.      | -        | Steel    |
| PBCLB-M125 | 88305549    | Stand-Off Spacer | 1 1/4 in.  | -        | Steel    |
| PBCLB-M150 | 88305550    | Stand-Off Spacer | 1 1/2 in.  | -        | Steel    |
| PBCLB-M200 | 88305537    | Stand-Off Spacer | 2 in.      | -        | Steel    |
| PBCLB-M250 | 88305538    | Stand-Off Spacer | 2 1/2 in.  | -        | Steel    |
| PBCLB-M300 | 88305539    | Stand-Off Spacer | 3 in.      | -        | Steel    |
| PBCLB-M400 | 88305541    | Stand-Off Spacer | 4 in.      | -        | Steel    |

### PVC Coated Beam Clamps

Robroy Industries



PVC coated beam clamps are used to securely support conduit runs by attaching them to beams, angles, trusses and other structural members. Right angle clamps are used to attach the conduit run at a 90° angle to a beam or structural member.

#### Features

- 40 Mil Gray PVC Exterior Coating
- Supplied with Plastic Encapsulated Screws
- Specifically Sized to Fit PVC Coated Conduit
- Available in 10 Trade Sizes 1/2 Through 4 in.

| Mfg. No.   | Advanced ID | Trade Size | O.D. of Conduit or Pipe |
|------------|-------------|------------|-------------------------|
| PBRA-1/2   | 92127440    | 1/2 in.    | -                       |
| PBRA-3/4   | 88226062    | 3/4 in.    | -                       |
| PBRA-1     | 88226032    | 1 in.      | -                       |
| PBRA-1-1/4 | 88226006    | 1 1/4 in.  | -                       |
| PBRA-1-1/2 | 88225993    | 1 1/2 in.  | -                       |
| PBRA-2     | 88226048    | 2 in.      | -                       |
| PBRA-2-1/2 | 88226045    | 2 1/2 in.  | -                       |
| PBRA-3     | 88226075    | 3 in.      | -                       |
| PBRA-3-1/2 | 88226059    | 3 1/2 in.  | -                       |
| PBRA-4     | 88226077    | 4 in.      | -                       |

### PVC Coated Pipe Straps

Robroy Industries



PVC coated pipe straps are used with coated strut to support conduit installations in a variety of configurations. PBC105 style straps may be used in either vertical or horizontal positions to support conduit. Straps provided with stainless steel hardware. Conduit spacing may be as close together as allowed by the couplings. PBC149 style straps may be used with hanger rods or other means of support to securely fasten conduit runs.

#### Features

- 20 Mil Gray PVC Exterior Coating
- Available in 11 Trade Sizes

| Mfg. No.      | Advanced ID | Trade Size | Mounting |          | For Use With |
|---------------|-------------|------------|----------|----------|--------------|
|               |             |            | Holes    | Material |              |
| PBC149-1/2*   | -           | 1/2 in.    | -        | Steel    | Coated Strut |
| PBC149-3/4*   | 88225533    | 3/4 in.    | -        | Steel    | Coated Strut |
| PBC149-1*     | 88225534    | 1 in.      | -        | Steel    | Coated Strut |
| PBC149-1-1/4* | 88225535    | 1 1/4 in.  | -        | Steel    | Coated Strut |
| PBC149-1-1/2* | 88225536    | 1 1/2 in.  | -        | Steel    | Coated Strut |
| PBC149-2*     | 88225537    | 2 in.      | -        | Steel    | Coated Strut |
| PBC149-2-1/2* | 88225538    | 2 1/2 in.  | -        | Steel    | Coated Strut |
| PBC149-3*     | 88225539    | 3 in.      | -        | Steel    | Coated Strut |
| PBC149-3-1/2* | 88225540    | 3 1/2 in.  | -        | Steel    | Coated Strut |
| PBC149-4*     | 88225541    | 4 in.      | -        | Steel    | Coated Strut |
| PBC105-1/2†   | 88225520    | 1/2 in.    | -        | Steel    | Coated Strut |
| PBC105-3/4†   | 88225521    | 3/4 in.    | -        | Steel    | Coated Strut |
| PBC105-1†     | 88225522    | 1 in.      | -        | Steel    | Coated Strut |
| PBC105-1-1/4† | 88225523    | 1 1/4 in.  | -        | Steel    | Coated Strut |
| PBC105-1-1/2† | 88225524    | 1 1/2 in.  | -        | Steel    | Coated Strut |
| PBC105-2†     | 88225525    | 2 in.      | -        | Steel    | Coated Strut |
| PBC105-2-1/2† | 88225526    | 2 1/2 in.  | -        | Steel    | Coated Strut |
| PBC105-3†     | 88225527    | 3 in.      | -        | Steel    | Coated Strut |
| PBC105-3-1/2† | 88225528    | 3 1/2 in.  | -        | Steel    | Coated Strut |
| PBC105-4†     | 88225529    | 4 in.      | -        | Steel    | Coated Strut |

\* May be used with Hanger Rods

† May be used in Vertical or Horizontal Positions

**Connectors**

|                       |         |
|-----------------------|---------|
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| Straight Blade .....  | 6-21    |

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|----------------|------|

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|-----------|------|
| GFCI..... | 6-33 |
|-----------|------|

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|                  |         |
|------------------|---------|
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| NonMetallic..... | 6-14-16 |

### AC Toggle Switches

Hubbell Wiring Device-Kellems



CS115 Series



PresSwitch

#### Features

- One Piece Rivetless Copper Alloy Spring Contact Arm
- Heavy Duty Nylon Toggle Resists Abuse & Chemical Attack
- Thermoplastic Elastomer Rocker

| Mfg. No.   | Advanced ID              | Amp Rating | Wiring Configuration | Color     | Horsepower Rating                              |
|--|--------------------------|------------|----------------------|-----------|--|
| <b>Commercial Series Spec Grade, Side Wired</b>            |                          |            |                      |           |  |
| CS115  | <a href="#">88128276</a> | 15         | Single-Pole          | Brown     | 120V AC: .5 hp @ 208V AC; 1.5 hp @ 240/277V AC |
| CS115I   | <a href="#">88128279</a> | 15         | Single-Pole          | Ivory     | 120V AC: .5 hp @ 208V AC; 1.5 hp @ 240/277V AC |
| CS115OW  | <a href="#">99544852</a> | 15         | Single-Pole          | Off White | 120V AC: .5 hp @ 208V AC; 1.5 hp @ 240/277V AC |
| CS115W   | <a href="#">88128278</a> | 15         | Single-Pole          | White     | 120V AC: .5 hp @ 208V AC; 1.5 hp @ 240/277V AC |
| CS120  | <a href="#">88128280</a> | 20         | Single-Pole          | Brown     | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC    |
| CS120GY  | <a href="#">95006545</a> | 20         | Single-Pole          | Gray      | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC    |
| CS120I   | <a href="#">88128283</a> | 20         | Single-Pole          | Ivory     | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC    |
| CS120W   | <a href="#">96009880</a> | 20         | Single-Pole          | White     | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC    |
| CS315  | <a href="#">88128284</a> | 15         | Three Way            | Brown     | 120V AC: .5 hp @ 208V AC; 1.5 hp @ 240/277V AC |
| CS315I   | <a href="#">88128287</a> | 15         | Three Way            | Ivory     | 120V AC: .5 hp @ 208V AC; 1.5 hp @ 240/277V AC |
| CS320  | <a href="#">88128288</a> | 20         | Three Way            | Brown     | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC    |
| CS320GY  | <a href="#">88128289</a> | 20         | Three Way            | Gray      | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC    |
| CS320I   | <a href="#">88128291</a> | 20         | Three Way            | Ivory     | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC    |
| CS320W   | <a href="#">95001639</a> | 20         | Three Way            | White     | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC    |
| <b>Construction Series Spec Grade, Back and Side Wired</b> |                          |            |                      |           |  |
| CS1201   | <a href="#">96004720</a> | 15         | Single-Pole          | Brown     | 120V AC: .5 hp @ 208V AC; 1.5 hp @ 240/277V AC |
| CS1201I  | <a href="#">95064918</a> | 15         | Single-Pole          | Ivory     | 120V AC: .5 hp @ 208V AC; 1.5 hp @ 240/277V AC |
| CS1221   | <a href="#">95028015</a> | 20         | Single-Pole          | Brown     | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC    |
| CS1221BK   | <a href="#">99526419</a> | 20         | Single-Pole          | Black     | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC    |
| CS1221GY   | <a href="#">95028016</a> | 20         | Single-Pole          | Gray      | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC    |
| CS1221I  | <a href="#">95028017</a> | 20         | Single-Pole          | Ivory     | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC    |
| CS1221R  | <a href="#">99526418</a> | 20         | Single-Pole          | Red       | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC    |
| CS1221W  | <a href="#">95028018</a> | 20         | Single-Pole          | White     | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC    |
| CS1222GY   | <a href="#">96056601</a> | 20         | 2-Pole               | Gray      | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC    |
| CS1222W  | <a href="#">96056602</a> | 20         | 2-Pole               | White     | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC    |
| CS1223   | <a href="#">95028020</a> | 20         | Three Way            | Brown     | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC    |
| CS1223GY   | <a href="#">95028021</a> | 20         | Three Way            | Gray      | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC    |
| CS1223I  | <a href="#">95028022</a> | 20         | Three Way            | Ivory     | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC    |
| CS1223W  | <a href="#">95028023</a> | 20         | Three Way            | White     | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC    |
| CS1224GY   | <a href="#">96054943</a> | 20         | Four Way             | Gray      | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC    |
| CS1224I  | <a href="#">96051664</a> | 20         | Four Way             | Ivory     | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC    |
| CS1224W  | <a href="#">96053076</a> | 20         | Four Way             | White     | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC    |
| <b>Spec Grade, Back and Side Wired</b>                     |                          |            |                      |           |  |
| HBL1201  | <a href="#">93169230</a> | 15         | Single-Pole          | Brown     | 120V AC: .5 hp @ 208V AC; 1.5 hp @ 240/277V AC |
| HBL1201I   | <a href="#">93169232</a> | 15         | Single-Pole          | Ivory     | 120V AC: .5 hp @ 208V AC; 1.5 hp @ 240/277V AC |
| HBL1201L   | <a href="#">93169234</a> | 15         | Locking Single-Pole  | Black     | 120V AC: .5 hp @ 208V AC; 1.5 hp @ 240/277V AC |
| HBL1201PL  | <a href="#">93169227</a> | 15         | Pilot Single-Pole    | Red       | 120V AC: .5 hp @ 208V AC; 1.5 hp @ 240/277V AC |
| HBL1203  | <a href="#">93164420</a> | 15         | Three Way            | Brown     | 120V AC: .5 hp @ 208V AC; 1.5 hp @ 240/277V AC |
| HBL1203I   | <a href="#">93164422</a> | 15         | Three Way            | Ivory     | 120V AC: .5 hp @ 208V AC; 1.5 hp @ 240/277V AC |

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### AC Toggle Switches

Hubbell Wiring Device-Kellems

| Mfg. No.  | Advanced ID | Amp Rating | Wiring Configuration     | Color                 | Horsepower Rating                               |
|---|-------------|------------|--------------------------|-----------------------|---|
| <b>Spec Grade, Back and Side Wired</b>                                    |             |            |                          |                       |   |
| HBL1221   | 93169222    | 20         | Single-Pole              | Brown                 | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC     |
| HBL1221GY   | 93169224    | 20         | Single-Pole              | Gray                  | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC     |
| HBL1221IL   | 93169216    | 20         | Illuminated Single-Pole  | Ivory                 | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC     |
| HBL1221PL   | 93169219    | 20         | Pilot Single-Pole        | Red                   | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC     |
| HBL1221PLC  | 93169212    | 20         | Pilot Single-Pole        | Clear                 | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC     |
| HBL1221R  | 93167120    | 20         | Single-Pole              | Red                   | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC     |
| HBL1221W  | 93169215    | 20         | Single-Pole              | White                 | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC     |
| HBL1222   | 93169207    | 20         | 2-Pole                   | Brown                 | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC     |
| HBL1222L  | 93169210    | 20         | Locking 2-Pole           | Black Nylon Key Guide | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC     |
| HBL1222PL   | 93169211    | 20         | Pilot 2-Pole             | Red                   | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC     |
| HBL1222W  | 93169204    | 20         | 2-Pole                   | White                 | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC     |
| HBL1223GY   | 93169198    | 20         | Three Way                | Gray                  | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC     |
| HBL1223I  | 93169199    | 20         | Three Way                | Ivory                 | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC     |
| HBL1223L  | 93169202    | 20         | Locking Three Way        | Black Nylon Key Guide | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC     |
| HBL1223R  | 93167122    | 20         | Three Way                | Red                   | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC     |
| HBL1223W  | 93169189    | 20         | Three Way                | White                 | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC     |
| HBL1224   | 93169190    | 20         | Four Way                 | Brown                 | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC     |
| HBL1224I  | 93169193    | 20         | Four Way                 | Ivory                 | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC     |
| HBL1224L  | 93169187    | 20         | Locking Four Way         | Black Nylon Key Guide | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC     |
| <b>Spec Grade Momentary Type, Push Button, Side Wired</b>                 |             |            |                          |                       |   |
| HBL1281MO   | 88126056    | 20         | Momentary Normally Open  | Brown                 | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC     |
| <b>Spec Grade Maintained Contact, Three Position, Back and Side Wired</b> |             |            |                          |                       |   |
| HBL1381I  | 93169184    | 15         | Single Pole-Double Throw | Ivory                 | 120V AC: .5 hp @ 208V AC; 1.5 hp @ 240/277V AC  |
| HBL1385   | 93169177    | 20         | Single Pole-Double Throw | Brown                 | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC     |
| HBL1385I  | 93169178    | 20         | Single Pole-Double Throw | Ivory                 | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC     |
| HBL1385W  | 93169179    | 20         | Single Pole-Double Throw | White                 | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC     |
| HBL1386   | 93169180    | 20         | Double Pole-Double Throw | Brown                 | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC     |
| HBL1386I  | 93169181    | 20         | Double Pole-Double Throw | Ivory                 | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC     |
| HBL1388I  | 93169173    | 30         | Double Pole-Double Throw | Ivory                 | 120V AC: 2 hp @ 208V AC; 2 hp @ 208/240/277V AC |
| <b>Spec Grade Momentary Contact, Three Position, Back and Side Wired</b>  |             |            |                          |                       |   |
| HBL1556I  | 93169176    | 15         | Single Pole-Double Throw | Ivory                 | 120V AC: .5 hp @ 208V AC; 1.5 hp @ 240/277V AC  |
| HBL1557   | 93169168    | 20         | Single Pole-Double Throw | Brown                 | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC     |
| HBL1557I  | 93169170    | 20         | Single Pole-Double Throw | Ivory                 | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC     |
| HBL1557W  | 93169166    | 20         | Single Pole-Double Throw | White                 | 120V AC: 1 hp @ 208V AC; 2 hp @ 240/277V AC     |
| <b>Spec Grade, Back and Side Wired</b>                                    |             |            |                          |                       |   |
| HBL3031   | 93169161    | 30         | Single-Pole              | Brown                 | 120V AC: 2 hp @ 208V AC; 2 hp @ 208/240/277V AC |
| HBL3031I  | 93169162    | 30         | Single-Pole              | Ivory                 | 120V AC: 2 hp @ 208V AC; 2 hp @ 208/240/277V AC |
| HBL3032I  | 93169165    | 30         | 2-Pole                   | Ivory                 | 120V AC: 2 hp @ 208V AC; 2 hp @ 208/240/277V AC |



### AC Toggle Switches

Leviton Manufacturing Co.



1201-2W



1256-I



54502-2I

Industrial-grade quality for peak performance and rugged, long-lasting service.

#### Features

- All Screws are Double-Drive Standard and Phillips
- Clamp-Type Back-Wire Terminals for Secure Connection
- Sturdy, Long-Lasting Thermoplastic Toggles
- 120V and 120/277V AC Rating
- Toggle and Locking
- Industrial, Commercial and Residential

| Mfg. No.   | Advanced ID              | Amp Rating | Wiring Configuration | Color | Horsepower Rating        |
|--|--------------------------|------------|----------------------|-------|--------------------------|
| <b>Back and Side Wired 120/277V AC Quiet Switches - Grounded</b> |                          |            |                      |       |                          |
| <b>Industrial Grade</b>  |                          |            |                      |       |                          |
| 1201-2W  | <a href="#">88311443</a> | 15         | Single-Pole          | White | 1/2 hp @120V, 2 hp @240V |
| 1201-2   | <a href="#">88155764</a> | 15         | Single-Pole          | Brown | 1/2 hp @120V, 2 hp @240V |
| 1201-2I  | <a href="#">88155766</a> | 15         | Single-Pole          | Ivory | 1/2 hp @120V, 2 hp @240V |
| 1203-2I  | <a href="#">88155785</a> | 15         | 3-Way                | Ivory | 1/2 hp @120V, 2 hp @240V |
| 1221-2W  | <a href="#">88311429</a> | 20         | Single-Pole          | White | 1 hp @120V, 2 hp @240V   |
| 1221-2I  | <a href="#">88155815</a> | 20         | Single-Pole          | Ivory | 1 hp @120V, 2 hp @240V   |
| 1221-2R  | <a href="#">88311428</a> | 20         | Single-Pole          | Red   | 1 hp @120V, 2 hp @240V   |
| 1221-PLR †   | <a href="#">88311401</a> | 20         | Single-Pole          | Red   | 1 hp @120V, 2 hp @240V   |
| 1221-2GY   | <a href="#">88155814</a> | 20         | Single-Pole          | Gray  | 1 hp @120V, 2 hp @240V   |
| 1221-2L *  | <a href="#">88311427</a> | 20         | Single-Pole          | Brown | 1 hp @120V, 2 hp @240V   |
| 1221-2IL *   | <a href="#">88311430</a> | 20         | Single-Pole          | Ivory | 1 hp @120V AC            |
| 1221-2   | <a href="#">88155813</a> | 20         | Single-Pole          | Brown | 1 hp @120V, 2 hp @240V   |
| 1221-2E  | <a href="#">88311426</a> | 20         | Single-Pole          | Black | 1 hp @120V, 2 hp @240V   |
| 1222-2   | <a href="#">88155823</a> | 20         | Double-Pole          | Brown | 1 hp @120V, 2 hp @240V   |
| 1222-2W  | <a href="#">88311419</a> | 20         | Double-Pole          | White | 1 hp @120V, 2 hp @240V   |
| 1223-2R  | <a href="#">88311421</a> | 20         | 3-Way                | Red   | 1 hp @120V, 2 hp @240V   |
| 1223-2L *  | <a href="#">89086382</a> | 20         | 3-Way                | Brown | 1 hp @120V, 2 hp @240V   |
| 1223-2E  | <a href="#">88311420</a> | 20         | 3-Way                | Black | 1 hp @120V, 2 hp @240V   |
| 1223-2GY   | <a href="#">88155833</a> | 20         | 3-Way                | Gray  | 1 hp @120V, 2 hp @240V   |
| 1223-2I  | <a href="#">88155834</a> | 20         | 3-Way                | Ivory | 1 hp @120V, 2 hp @240V   |
| 1223-2   | <a href="#">88155832</a> | 20         | 3-Way                | Brown | 1 hp @120V, 2 hp @240V   |
| 1223-2W  | <a href="#">88311422</a> | 20         | 3-Way                | White | 1 hp @120V, 2 hp @240V   |
| 1224-2W  | <a href="#">88311413</a> | 20         | 4-Way                | White | 1 hp @120V, 2 hp @240V   |
| 1224-2I  | <a href="#">88155844</a> | 20         | 4-Way                | Ivory | 1 hp @120V, 2 hp @240V   |
| 3032-2   | <a href="#">88156219</a> | 30         | Double-Pole          | Brown | 2 hp @120V, 2 hp @240V   |
| 3032-2W  | <a href="#">94001226</a> | 30         | Double-Pole          | White | 2 hp @120V, 2 hp @240V   |
| 3032-2I  | <a href="#">88156220</a> | 30         | Double-Pole          | Ivory | 2 hp @120V, 2 hp @240V   |
| <b>Maintained and Momentary Contact</b>                          |                          |            |                      |       |                          |
| <b>Back and Side Wired Momentary Contact 120/277V AC</b>         |                          |            |                      |       |                          |
| 1256-I   | <a href="#">88155878</a> | 15         | SPDT Center Off      | Ivory | 1/2 hp @120V, 2 hp @240V |
| 1257-L *   | <a href="#">92121866</a> | 20         | SPDT Center Off      | Brown | 1 hp @120V, 2 hp @240V   |
| 1257-I   | <a href="#">88155880</a> | 20         | SPDT Center Off      | Ivory | 1 hp @120V, 2 hp @240V   |
| <b>Back and Side Wired Maintained Contact 120/277V AC</b>        |                          |            |                      |       |                          |
| 1285-I   | <a href="#">88155888</a> | 20         | SPDT Center Off      | Ivory | 1 hp @120V, 2 hp @240V   |

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### AC Toggle Switches

Leviton Manufacturing Co.

| Mfg. No.  | Advanced ID | Amp Rating | Wiring Configuration | Color  | Horsepower Rating        |
|---|-------------|------------|----------------------|--------|--------------------------|
| <b>Commercial Grade</b>                               |             |            |                      |        |                          |
| <b>Side Wired 120/277V AC Quiet Switches</b>          |             |            |                      |        |                          |
| 54502-2I  | 89006607    | 15         | Double-Pole / Framed | Ivory  | 1/2 hp @120V, 2 hp @240V |
| 54504-2W  | 88156878    | 15         | 4-Way / Framed       | White  | 1/2 hp @120V, 2 hp @240V |
| 54504-2I  | 88156877    | 15         | 4-Way / Framed       | Ivory  | 1/2 hp @120V, 2 hp @240V |
| 54504-2A  | 97190951    | 15         | 4-Way / Framed       | Almond | 1/2 hp @120V, 2 hp @240V |
| CS115-2I  | 93197839    | 15         | Single-Pole          | Ivory  | 1/2 hp @120V, 2 hp @240V |
| CS115-2W  | 93197840    | 15         | Single-Pole          | White  | 1/2 hp @120V, 2 hp @240V |
| CS115-2GY   | 93197838    | 15         | Single-Pole          | Gray   | 1/2 hp @120V, 2 hp @240V |
| CS115-2   | 93197837    | 15         | Single-Pole          | Brown  | 1/2 hp @120V, 2 hp @240V |
| CS120-2   | 93197841    | 20         | Single-Pole          | Brown  | 1 hp @120V, 2 hp @240V   |
| CS120-2GY   | 93197842    | 20         | Single-Pole          | Gray   | 1 hp @120V, 2 hp @240V   |
| CS120-2W  | 93197843    | 20         | Single-Pole          | White  | 1 hp @120V, 2 hp @240V   |
| CS120-2I  | 93197658    | 20         | Single-Pole          | Ivory  | 1 hp @120V, 2 hp @240V   |
| CS220-2W  | 93197815    | 20         | Double-Pole          | White  | 1 hp @120V, 2 hp @240V   |
| CS220-2I  | 93197814    | 20         | Double-Pole          | Ivory  | 1 hp @120V, 2 hp @240V   |
| CS315-2I  | 93197819    | 15         | 3-Way                | Ivory  | 1/2 hp @120V, 2 hp @240V |
| CS315-2W  | 93197820    | 15         | 3-Way                | White  | 1/2 hp @120V, 2 hp @240V |
| CS320-2W  | 93197826    | 20         | 3-Way                | White  | 1 hp @120V, 2 hp @240V   |
| CS320-2I  | 93197825    | 20         | 3-Way                | Ivory  | 1 hp @120V, 2 hp @240V   |
| CS320-2   | 93197823    | 20         | 3-Way                | Brown  | 1 hp @120V, 2 hp @240V   |
| CS320-2GY   | 93197824    | 20         | 3-Way                | Gray   | 1 hp @120V, 2 hp @240V   |
| CS415-2W  | 93197831    | 15         | 4-Way                | White  | 1/2 hp @120V, 2 hp @240V |
| CS415-2I  | 93197830    | 15         | 4-Way                | Ivory  | 1/2 hp @120V, 2 hp @240V |
| CS420-2I  | 93197834    | 20         | 4-Way                | Ivory  | 1 hp @120V, 2 hp @240V   |
| CS420-2W  | 93197835    | 20         | 4-Way                | White  | 1 hp @120V, 2 hp @240V   |
| <b>Back and Side Wired 120/277V AC Quiet Switches</b> |             |            |                      |        |                          |
| CSB1-20W  | 94039071    | 20         | Single-Pole          | White  | 1 hp @120V, 2 hp @240V   |
| CSB1-20I  | 93197851    | 20         | Single-Pole          | Ivory  | 1 hp @120V, 2 hp @240V   |
| CSB3-20I  | 93197861    | 20         | 3-Way                | Ivory  | 1 hp @120V, 2 hp @240V   |
| <b>Residential Grade Quickwire and Side Wired</b>     |             |            |                      |        |                          |
| 1451-2  | 88155929    | 15         | Single-Pole          | Brown  | 1/2 hp @120V, 2 hp @240V |
| 1451-2W   | 88155931    | 15         | Single-Pole          | White  | 1/2 hp @120V, 2 hp @240V |
| 1451-2I   | 88155930    | 15         | Single-Pole          | Ivory  | 1/2 hp @120V, 2 hp @240V |
| 1451-2A   | 97202391    | 15         | Single-Pole          | Almond | 1/2 hp @120V, 2 hp @240V |
| 1453-2W   | 88155945    | 15         | 3-Way                | White  | 1/2 hp @120V, 2 hp @240V |
| 1453-2A   | 97190950    | 15         | 3-Way                | Almond | 1/2 hp @120V, 2 hp @240V |
| 1453-2I   | 88155944    | 15         | 3-Way                | Ivory  | 1/2 hp @120V, 2 hp @240V |
| 1453-2  | 88155943    | 15         | 3-Way                | Brown  | 1/2 hp @120V, 2 hp @240V |

\*Locking Switch

†Pilot Light

### Decora AC Quiet Rocker Switches

Leviton Manufacturing Co.



5601



5623



5628



911-W

Designer-style switches available in a complete range of single pole, double pole, 3 and 4 way switches in both residential and commercial grades.

#### Features

- Decora Plus Switches Feature Impact Resistant Thermoplastic
- All Decora Devices Meet or Exceed Applicable UL, CSA and NOM Testing

| Mfg. No.   | Advanced ID | Color  |
|--|-------------|--------|
| <b>Residential Grade</b>   |             |        |
| <b>15A Quickwire Push-in and Side Wired 120/277V AC</b>                |             |        |
| <b>Single-Pole</b>   |             |        |
| 5601-2   | 88156970    | Brown  |
| 5601-2A  | 92043347    | Almond |
| 5601-2E  | 88156971    | Black  |
| 5601-2GY   | 88156972    | Gray   |
| 5601-2I  | 88156973    | Ivory  |
| 5601-2W  | 88156975    | White  |
| <b>Three-Way</b>   |             |        |
| 5603-2   | 88156991    | Brown  |
| 5603-2A  | 99845330    | Almond |
| 5603-2E  | 88156992    | Black  |
| 5603-2GY   | 88156993    | Gray   |
| 5603-2I  | 88156994    | Ivory  |
| 5603-2W  | 88156996    | White  |
| <b>Four-Way</b>  |             |        |
| 5604-2   | 88157003    | Brown  |
| 5604-2A  | 92051100    | Almond |
| 5604-2E  | 89006596    | Black  |
| 5604-2GY   | 94014388    | Gray   |
| 5604-2I  | 88157004    | Ivory  |
| 5604-2W  | 88157005    | White  |
| <b>15A Quickwire and Side Wired (Illuminated when OFF) 120/277V AC</b> |             |        |
| <b>Single Pole</b>   |             |        |
| 5611-2A  | 99845331    | Almond |
| 5611-2I  | 88157012    | Ivory  |
| 5611-2W  | 88157014    | White  |
| <b>Three-Way</b>   |             |        |
| 5613-2   | 95010162    | Brown  |
| 5613-2A  | 92051096    | Almond |
| 5613-2W  | 88157022    | White  |
| <b>Four-Way</b>  |             |        |
| 5614-2A  | 98412098    | Almond |
| 5614-2I  | 99569500    | Ivory  |
| 5614-2W  | 98412095    | White  |

Continued ►

### Decora AC Quiet Rocker Switches

Leviton Manufacturing Co.

| Mfg. No.  | Advanced ID | Color  |
|---|-------------|--------|
| <b>Commercial Spec Grade</b>                                  |             |        |
| <b>20A Back and Side Wired 120/277V AC</b>                    |             |        |
| <b>Single Pole</b>  |             |        |
| 5621-2  | 88157031    | Brown  |
| 5621-2A   | 92051084    | Almond |
| 5621-2E   | 88157037    | Black  |
| 5621-2GY  | 88157049    | Gray   |
| 5621-2I   | 88157033    | Ivory  |
| 5621-2W   | 88157035    | White  |
| <b>Three-Way</b>  |             |        |
| 5623-GY   | 88157048    | Brown  |
| 5623-2A   | 92051086    | Almond |
| 5623-2E   | 88157055    | Black  |
| 5623-2GY  | 88157049    | Gray   |
| 5623-2I   | 88157050    | Ivory  |
| 5623-2W   | 88157053    | White  |
| <b>Four-Way</b>   |             |        |
| 5624-2  | 88157061    | Brown  |
| 5624-2A   | 92051087    | Almond |
| 5624-2E   | 88157066    | Black  |
| 5624-2GY  | 88157062    | Gray   |
| 5624-2I   | 88157063    | Ivory  |
| 5624-2W   | 88157065    | White  |
| <b>Single Pole Illuminated</b>                                |             |        |
| 5628-2W   | 88157077    | White  |
| <b>15A Back and Side Wired Momentary Contact 120/277V AC</b>  |             |        |
| 5657-2I   | 92051121    | Ivory  |
| 5657-2W   | 92051122    | White  |
| <b>15A Back and Side Wired Maintained Contact 120/277V AC</b> |             |        |
| 5685-2W   | 92051108    | White  |
| <b>Residential Grade</b>                                      |             |        |
| <b>Decora 911 Flasher Switch 500W 120V, 3 Position</b>        |             |        |
| 911-W   | 95021219    | White  |

### Decora Receptacles

Leviton Manufacturing Co.



16352-W



5325-A



7599-W

Engineered for fine appearance and top performance in demanding commercial and institutional applications using a durable, thermoplastic face and impact-resistant construction.

#### Features

- Shallow Design for Maximum Wiring Room in Wall Box
- Back Wire and Side Wire Terminal Wiring Options for Ease of Installation
- Heavy-Gauge Zinc-Plated Steel Locked-In Wrap-Around Strap
- Triple-Wipe Brass Contacts for Long Service Life

| Mfg. No.  | Advanced ID     | Wiring Configuration    | Voltage Rating | Type                            | Color  | NEMA Rating |
|---|-----------------|-------------------------|----------------|---------------------------------|--------|-------------|
| <b>Decora Back and Side Wired 20A</b>                       |                 |                         |                |                                 |        |             |
| 16362-W   | <b>88311352</b> | 2-Pole 3-Wire Grounding | 125V           | Decora Duplex                   | White  | 5-20R       |
| <b>Decora Side Wired CO/ALR 15A Grounding</b>               |                 |                         |                |                                 |        |             |
| 12650-I   | <b>94002575</b> | 2-Pole 3-Wire Grounding | 125V           | Duplex/COALR                    | Ivory  | 5-15R       |
| <b>Decora Back and Side Wired, Self-Grounding 15A / 20A</b> |                 |                         |                |                                 |        |             |
| 16252-W   | <b>88156001</b> | 2-Pole 3-Wire Grounding | 125V           | Decora Duplex                   | White  | 5-15R       |
| 16352   | <b>88156016</b> | 2-Pole 3-Wire Grounding | 125V           | Decora Duplex                   | Brown  | 5-20R       |
| 16352-A   | <b>94006022</b> | 2-Pole 3-Wire Grounding | 125V           | Decora Duplex                   | Almond | 5-20R       |
| 16352-E   | <b>88156017</b> | 2-Pole 3-Wire Grounding | 125V           | Decora Duplex                   | Black  | 5-20R       |
| 16352-GY  | <b>88156018</b> | 2-Pole 3-Wire Grounding | 125V           | Decora Duplex                   | Gray   | 5-20R       |
| 16352-I   | <b>88156019</b> | 2-Pole 3-Wire Grounding | 125V           | Decora Duplex                   | Ivory  | 5-20R       |
| 16352-W   | <b>88156020</b> | 2-Pole 3-Wire Grounding | 125V           | Decora Duplex                   | White  | 5-20R       |
| <b>Decora Side Wired and Quickwire 15A</b>                  |                 |                         |                |                                 |        |             |
| 5325  | <b>88156734</b> | 2-Pole 3-Wire Grounding | 125V           | Decora Duplex                   | Brown  | 5-15R       |
| 5325-I  | <b>88156737</b> | 2-Pole 3-Wire Grounding | 125V           | Decora Duplex                   | Ivory  | 5-15R       |
| 5325-W  | <b>88156741</b> | 2-Pole 3-Wire Grounding | 125V           | Decora Duplex                   | White  | 5-15R       |
| 5325-A  | <b>92043351</b> | 2-Pole 3-Wire Grounding | 125V           | Decora Duplex                   | Almond | 5-15R       |
| 5325-GY   | <b>88156736</b> | 2-Pole 3-Wire Grounding | 125V           | Decora Duplex                   | Gray   | 5-15R       |
| 5325-E  | <b>88156735</b> | 2-Pole 3-Wire Grounding | 125V           | Decora Duplex                   | Black  | 5-15R       |
| 5325-SW   | <b>88156740</b> | 2-Pole 3-Wire Grounding | 125V           | Decora Duplex                   | White  | 5-15R       |
| <b>Decora Plus GFCI Receptacles</b>                         |                 |                         |                |                                 |        |             |
| <b>Decora Back and Side Wired 15A / 20A</b>                 |                 |                         |                |                                 |        |             |
| 7599-I  | <b>25068395</b> | 2-Pole 3-Wire Grounding | 125V           | Duplex GFCI with Lockout Action | Ivory  | 5-15R       |
| 7599-W  | <b>20568396</b> | 2-Pole 3-Wire Grounding | 125V           | Duplex GFCI with Lockout Action | White  | 5-15R       |
| 7899-I  | <b>25068398</b> | 2-Pole 3-Wire Grounding | 125V           | Duplex GFCI with Lockout Action | Ivory  | 5-20R       |

### NEMA Straight Blade Receptacles

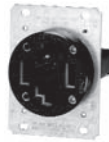
Leviton Manufacturing Co.



8300-I



5262-W



278



BR20



CR20



688-I

| Mfg. No.  | Advanced ID              | Wiring Configuration    | Voltage Rating | Type                   | Color  | NEMA Rating |
|---|--------------------------|-------------------------|----------------|------------------------|--------|-------------|
| <b>Hospital Grade</b>   |                          |                         |                |                        |        |             |
| <b>Back and Side Wired 15A/125V</b>                                   |                          |                         |                |                        |        |             |
| 8200-HI   | <a href="#">88311470</a> | 2-Pole 3-Wire Grounding | 125V           | Duplex/Hospital Grade  | Ivory  | 5-15R       |
| <b>Back and Side Wired 20A/125V</b>                                   |                          |                         |                |                        |        |             |
| 8300-HI*  | <a href="#">88311466</a> | 2-Pole 3-Wire Grounding | 125V           | Duplex/Hospital Grade  | Ivory  | 5-20R       |
| 8300-HR*  | <a href="#">88311467</a> | 2-Pole 3-Wire Grounding | 125V           | Duplex/Hospital Grade  | Red    | 5-20R       |
| 8300-I  | <a href="#">88158313</a> | 2-Pole 3-Wire Grounding | 125V           | Duplex/Hospital Grade  | Ivory  | 5-20R       |
| 8300-R  | <a href="#">88158315</a> | 2-Pole 3-Wire Grounding | 125V           | Duplex/Hospital Grade  | Red    | 5-20R       |
| 8310-I  | <a href="#">88158347</a> | 2-Pole 3-Wire Grounding | 125V           | Single/Hospital Grade  | Ivory  | 5-20R       |
| <b>Industrial Spec Grade</b>  |                          |                         |                |                        |        |             |
| <b>Back and Side Wired 15A/125V</b>                                   |                          |                         |                |                        |        |             |
| 5262  | <a href="#">88156667</a> | 2-Pole 3-Wire Grounding | 125V           | Duplex                 | Brown  | 5-15R       |
| 5262-W  | <a href="#">88156685</a> | 2-Pole 3-Wire Grounding | 125V           | Duplex                 | White  | 5-15R       |
| 5252*   | <a href="#">88156644</a> | 2-Pole 3-Wire Grounding | 125V           | Duplex                 | Brown  | 5-15R       |
| 5252-I*   | <a href="#">88156647</a> | 2-Pole 3-Wire Grounding | 125V           | Duplex                 | Ivory  | 5-15R       |
| 5252-W*   | <a href="#">88156649</a> | 2-Pole 3-Wire Grounding | 125V           | Duplex                 | White  | 5-15R       |
| <b>Back and Side Wired 20A/125V</b>                                   |                          |                         |                |                        |        |             |
| 5362  | <a href="#">88156798</a> | 2-Pole 3-Wire Grounding | 125V           | Duplex                 | Brown  | 5-20R       |
| 5362-GY   | <a href="#">88156800</a> | 2-Pole 3-Wire Grounding | 125V           | Duplex                 | Gray   | 5-20R       |
| 5352-I*   | <a href="#">88156770</a> | 2-Pole 3-Wire Grounding | 125V           | Duplex                 | Ivory  | 5-20R       |
| 5352-W*   | <a href="#">88156772</a> | 2-Pole 3-Wire Grounding | 125V           | Duplex                 | White  | 5-20R       |
| 5362-R  | <a href="#">88156815</a> | 2-Pole 3-Wire Grounding | 125V           | Duplex                 | Red    | 5-20R       |
| 5361-I  | <a href="#">88156790</a> | 2-Pole 3-Wire Grounding | 125V           | Single                 | Ivory  | 5-20R       |
| 5361-W  | <a href="#">88156797</a> | 2-Pole 3-Wire Grounding | 125V           | Single                 | White  | 5-20R       |
| 5361-CH   | <a href="#">88156783</a> | 2-Pole 3-Wire Grounding | 125V           | Single/Clock Hanger    | Brown  | 5-20R       |
| 5362-SI   | <a href="#">97251125</a> | 2-Pole 3-Wire Grounding | 125V           | Duplex                 | Ivory  | 5-20R       |
| 5362-SW   | <a href="#">97251126</a> | 2-Pole 3-Wire Grounding | 125V           | Duplex                 | White  | 5-20R       |
| <b>Back and Side Wired 15A/125V Isolated Ground Receptacles (-IG)</b> |                          |                         |                |                        |        |             |
| 5262-IG   | <a href="#">88156679</a> | 2-Pole 3-Wire Grounding | 125V           | Duplex/Isolated Ground | Orange | 5-15R       |
| <b>Back and Side Wired 20A/125V Isolated Ground Receptacles (-IG)</b> |                          |                         |                |                        |        |             |
| 5362-IG   | <a href="#">88156810</a> | 2-Pole 3-Wire Grounding | 125V           | Duplex/Isolated Ground | Orange | 5-20R       |
| 5362-IGG  | <a href="#">88311538</a> | 2-Pole 3-Wire Grounding | 125V           | Duplex/Isolated Ground | Gray   | 5-20R       |
| 5362-IGI  | <a href="#">88156812</a> | 2-Pole 3-Wire Grounding | 125V           | Duplex/Isolated Ground | Ivory  | 5-20R       |
| 5362-IGW  | <a href="#">88156814</a> | 2-Pole 3-Wire Grounding | 125V           | Duplex/Isolated Ground | White  | 5-20R       |
| <b>Back and Side Wired 20A/250V</b>                                   |                          |                         |                |                        |        |             |
| 5461-I  | <a href="#">88156896</a> | 2-Pole 3-Wire Grounding | 250V           | Single                 | Ivory  | 6-20R       |
| 5462  | <a href="#">88156897</a> | 2-Pole 3-Wire Grounding | 250V           | Duplex                 | Brown  | 6-20R       |
| <b>Power Devices</b>  |                          |                         |                |                        |        |             |
| <b>30A 125/250V 3-Pole 4-Wire Grounding</b>                           |                          |                         |                |                        |        |             |
| 278   | <a href="#">99877762</a> | 3-Pole 4-Wire Grounded  | 125/250V       | Single/Flush Mount     | Black  | 14-30R      |
| 55054   | <a href="#">88156930</a> | 3-Pole 4-Wire Grounding | 125/250V       | Single/Surface Mount   | Black  | 14-30R      |
| <b>50A 125/250V 3-Pole 4-Wire Grounding</b>                           |                          |                         |                |                        |        |             |
| 279   | <a href="#">99877763</a> | 3-Pole 4-Wire Grounding | 125/250V       | Single/Flush Mount     | Black  | 14-50R      |
| 55050   | <a href="#">88156929</a> | 3-Pole 4-Wire Grounding | 125/250V       | Single/Surface Mount   | Black  | 14-50R      |
| <b>50A 125/250V 3-Pole 3-Wire Non-Grounding</b>                       |                          |                         |                |                        |        |             |
| 5050  | <a href="#">88156515</a> | 2-Pole 3-Wire Grounding | 125/250V       | Single/Surface Mount   | Black  | 10-50R      |
| <b>50A 250V 3-Pole 3-Wire Grounding</b>                               |                          |                         |                |                        |        |             |
| 5374†   | <a href="#">88156833</a> | 2-Pole 3-Wire Grounding | 250V           | Single                 | Black  | 6-50R       |
| 5378‡   | <a href="#">88156841</a> | 2-Pole 3-Wire Grounding | 250V           | Single                 | Black  | 6-50R       |

Continued ►



## NEMA Straight Blade Receptacles

Leviton Manufacturing Co.

| Mfg. No.   | Advanced ID     | Wiring Configuration    | Voltage Rating | Type                     | Color  | NEMA Rating |
|--|-----------------|-------------------------|----------------|--------------------------|--------|-------------|
| <b>Power Devices</b>   |                 |                         |                |                          |        |             |
| <b>30A 125V 2-Pole 3-Wire Grounding</b>                                      |                 |                         |                |                          |        |             |
| 7313   | <b>88157648</b> | 2-Pole 3-Wire Grounding | 125V           | Single / Flush Mount     | Black  | TT-30R      |
| <b>Commercial Spec Grade</b>   |                 |                         |                |                          |        |             |
| <b>Back and Side Wired 15A 125V &amp; 250V 20A 125V &amp; 250V Grounding</b> |                 |                         |                |                          |        |             |
| BR15-I   | <b>95011524</b> | 2-Pole 3-Wire Grounding | 125V           | Duplex                   | Ivory  | 5-15R       |
| BR15-W   | <b>95011523</b> | 2-Pole 3-Wire Grounding | 125V           | Duplex                   | White  | 5-15R       |
| BR20   | <b>94013647</b> | 2-Pole 3-Wire Grounding | 125V           | Duplex                   | Brown  | 5-20R       |
| BR20-I   | <b>94013646</b> | 2-Pole 3-Wire Grounding | 125V           | Duplex                   | Ivory  | 5-20R       |
| BR20-W   | <b>95006573</b> | 2-Pole 3-Wire Grounding | 125V           | Duplex                   | White  | 5-20R       |
| <b>Side Wired 15A 125V &amp; 250V 20A 125V &amp; 250V Grounding</b>          |                 |                         |                |                          |        |             |
| 5015   | <b>88156491</b> | 2-Pole 3-Wire Grounding | 125V           | Single                   | Brown  | 5-15R       |
| 5015-A   | <b>99548428</b> | 2-Pole 3-Wire Grounding | 125V           | Single                   | Almond | 5-15R       |
| 5015-I   | <b>88156493</b> | 2-Pole 3-Wire Grounding | 125V           | Single                   | Ivory  | 5-15R       |
| 5015-W   | <b>88156496</b> | 2-Pole 3-Wire Grounding | 125V           | Single                   | White  | 5-15R       |
| 5250   | <b>92121868</b> | 2-Pole 3-Wire Grounding | 125V           | Single Display           | Brown  | 5-15R       |
| 5801   | <b>88157151</b> | 2-Pole 3-Wire Grounding | 125V           | Single                   | Brown  | 5-20R       |
| 5801-A   | <b>99503555</b> | 2-Pole 3-Wire Grounding | 125V           | Single                   | Almond | 5-20R       |
| 5801-I   | <b>88157152</b> | 2-Pole 3-Wire Grounding | 125V           | Single                   | Ivory  | 5-20R       |
| 5801-W   | <b>88157153</b> | 2-Pole 3-Wire Grounding | 125V           | Single                   | White  | 5-20R       |
| 5821   | <b>88157176</b> | 2-Pole 3-Wire Grounding | 250V           | Single                   | Brown  | 6-20R       |
| 5821-I   | <b>88157177</b> | 2-Pole 3-Wire Grounding | 250V           | Single                   | Ivory  | 6-20R       |
| 5821-W   | <b>89087370</b> | 2-Pole 3-Wire Grounding | 250V           | Single                   | White  | 6-20R       |
| CR15   | <b>93197729</b> | 2-Pole 3-Wire Grounding | 125V           | Duplex                   | Brown  | 5-15R       |
| CR15-E   | <b>99569309</b> | 2-Pole 3-Wire Grounding | 125V           | Duplex                   | Black  | 5-15R       |
| CR15-GY  | <b>88156483</b> | 2-Pole 3-Wire Grounding | 125V           | Duplex                   | Gray   | 5-15R       |
| CR15-I   | <b>88156484</b> | 2-Pole 3-Wire Grounding | 125V           | Duplex                   | Ivory  | 5-15R       |
| CR15-W   | <b>88156489</b> | 2-Pole 3-Wire Grounding | 125V           | Duplex                   | White  | 5-15R       |
| CR20   | <b>88157140</b> | 2-Pole 3-Wire Grounding | 125V           | Duplex                   | Brown  | 5-20R       |
| CR20-A   | <b>98407432</b> | 2-Pole 3-Wire Grounding | 125V           | Duplex                   | Almond | 5-20R       |
| CR20-E   | <b>97205841</b> | 2-Pole 3-Wire Grounding | 125V           | Duplex                   | Black  | 5-20R       |
| CR20-GY  | <b>88157143</b> | 2-Pole 3-Wire Grounding | 125V           | Duplex                   | Gray   | 5-20R       |
| CR20-I   | <b>88157144</b> | 2-Pole 3-Wire Grounding | 125V           | Duplex                   | Ivory  | 5-20R       |
| CR20-W   | <b>90004681</b> | 2-Pole 3-Wire Grounding | 125V           | Duplex                   | White  | 5-20R       |
| <b>Residential Grade</b>   |                 |                         |                |                          |        |             |
| <b>8-Hole Quickwire Push-In 15A 125V Grounding</b>                           |                 |                         |                |                          |        |             |
| 5248-WCP   | <b>89027428</b> | 2-Pole 3-Wire Grounding | 125V           | Duplex / Contractor Pack | White  | 5-15R       |
| <b>Quickwire Push-In and Side Wired 15A/125V Grounding</b>                   |                 |                         |                |                          |        |             |
| 5320-ACP   | <b>94037820</b> | 2-Pole 3-Wire Grounding | 125V           | Duplex                   | Almond | 5-15R       |
| 5320-CP  | <b>88156724</b> | 2-Pole 3-Wire Grounding | 125V           | Duplex                   | Brown  | 5-15R       |
| 5320-ICP   | <b>88156726</b> | 2-Pole 3-Wire Grounding | 125V           | Duplex                   | Ivory  | 5-15R       |
| 5320-SI**  | <b>88156729</b> | 2-Pole 3-Wire Grounding | 125V           | Duplex                   | Ivory  | 5-15R       |
| 5320-SW  | <b>88156731</b> | 2-Pole 3-Wire Grounding | 125V           | Duplex                   | White  | 5-15R       |
| <b>Side Wired Clock Hanger 15A/125V Grounding</b>                            |                 |                         |                |                          |        |             |
| 688-I  | <b>88157416</b> | 2-Pole 3-Wire Grounding | 125V           | Single/Clock Hanger      | Ivory  | 5-15R       |

\* Slim Design

† Single/Flush Mount

‡ Single/Surface Mount

\*\* Self-Grounding

### Straight Blade Receptacles

Hubbell Wiring Device-Kellems



IG5262 Series

HBL415 Series

CR15 Series

CR5252 Series

HBL8200 Series

HBL8300SGIA

HBL5661

HBL5251 Series

HBL5262 Series

HBL5461I

Traditional Straight Blade configurations offered in a variety of body styles.

| Mfg. No.  | Advanced ID              | Wiring Configuration | Voltage Rating | Type                               | Color  | NEMA Rating |
|---|--------------------------|----------------------|----------------|------------------------------------|--------|-------------|
| <b>Heavy Duty Spec Grade</b>                    |                          |                      |                |                                    |        |             |
| IG5262  | <a href="#">88128535</a> | 2-Pole 3-Wire        | 125V AC        | Isolated Ground                    | Orange | 5-15R       |
| IG5361  | <a href="#">88128539</a> | 2-Pole 3-Wire        | 125V AC        | Isolated Ground - Single           | Orange | 5-20R       |
| IG5362  | <a href="#">88128542</a> | 2-Pole 3-Wire        | 125V AC        | Isolated Ground - Duplex           | Orange | 5-20R       |
| IG5362GY  | <a href="#">88128544</a> | 2-Pole 3-Wire        | 125V AC        | Isolated Ground                    | Gray   | 5-20R       |
| IG5362I   | <a href="#">88128545</a> | 2-Pole 3-Wire        | 125V AC        | Isolated Ground                    | Ivory  | 5-20R       |
| IG8300*   | <a href="#">89085658</a> | 2-Pole 3-Wire        | 125V AC        | Isolated Ground                    | Orange | 5-20R       |
| HBL415I   | <a href="#">92127518</a> | 2-Pole 3-Wire        | 125V AC        | 4-PLEX                             | Ivory  | 5-15R       |
| HBL420HI*                                       | <a href="#">92127523</a> | 2-Pole 3-Wire        | 125V AC        | 4-PLEX                             | Ivory  | 5-20R       |
| HBL420I   | <a href="#">92127520</a> | 2-Pole 3-Wire        | 125V AC        | 4-PLEX                             | Ivory  | 5-20R       |
| <b>Commercial Series, Side Wired</b>            |                          |                      |                |                                    |        |             |
| CR15  | <a href="#">88128216</a> | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle                  | Brown  | 5-15R       |
| CR15BLK   | <a href="#">91006769</a> | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle                  | Black  | 5-15R       |
| CR15GRY   | <a href="#">88128217</a> | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle                  | Gray   | 5-15R       |
| CR15I   | <a href="#">88128218</a> | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle                  | Ivory  | 5-15R       |
| CR15WHI   | <a href="#">88128219</a> | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle                  | White  | 5-15R       |
| CR20  | <a href="#">88128226</a> | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle                  | Brown  | 5-20R       |
| CR20BLK   | <a href="#">91006770</a> | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle                  | Black  | 5-20R       |
| CR20GRY   | <a href="#">88128227</a> | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle                  | Gray   | 5-20R       |
| CR20I   | <a href="#">88128229</a> | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle                  | Ivory  | 5-20R       |
| CR20WHI   | <a href="#">88128228</a> | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle                  | White  | 5-20R       |
| CRF20H  | <a href="#">91025206</a> | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle                  | Ivory  | 5-20R       |
| <b>Construction Series, Back and Side Wired</b> |                          |                      |                |                                    |        |             |
| CR5252  | <a href="#">95027989</a> | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle                  | Brown  | 5-15R       |
| CR5252I   | <a href="#">95027990</a> | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle                  | Ivory  | 5-15R       |
| CR5252IG  | <a href="#">95028006</a> | 2-Pole 3-Wire        | 125V AC        | Isolated Ground - Duplex           | Orange | 5-15R       |
| CR5252W   | <a href="#">95027991</a> | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle                  | White  | 5-15R       |
| CR5262I   | <a href="#">95027996</a> | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle                  | Ivory  | 5-15R       |
| CR5352  | <a href="#">95027998</a> | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle                  | Brown  | 5-20R       |
| CR5352GY  | <a href="#">95027999</a> | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle                  | Gray   | 5-20R       |
| CR5352I   | <a href="#">95028000</a> | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle                  | Ivory  | 5-20R       |
| CR5352IG  | <a href="#">95028007</a> | 2-Pole 3-Wire        | 125V AC        | Isolated Ground - Duplex           | Orange | 5-20R       |
| CR5352W   | <a href="#">95028002</a> | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle                  | White  | 5-20R       |
| CR5362†   | <a href="#">95028003</a> | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle                  | Brown  | 5-20R       |
| CR5362GY†                                       | <a href="#">96051663</a> | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle                  | Gray   | 5-20R       |
| CR5362I†  | <a href="#">95028004</a> | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle                  | Ivory  | 5-20R       |
| CR5362W†  | <a href="#">95028005</a> | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle                  | White  | 5-20R       |
| <b>Heavy Duty Hospital Grade</b>                |                          |                      |                |                                    |        |             |
| HBL8200   | <a href="#">88127711</a> | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle                  | Brown  | 5-15R       |
| HBL8200I  | <a href="#">88127713</a> | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle                  | Ivory  | 5-15R       |
| HBL8300   | <a href="#">88127752</a> | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle                  | Brown  | 5-20R       |
| HBL8300GY                                       | <a href="#">88127753</a> | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle                  | Gray   | 5-20R       |
| HBL8300HG‡                                      | <a href="#">88302088</a> | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle                  | Gray   | 5-20R       |
| HBL8300HI‡                                      | <a href="#">89003230</a> | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle                  | Ivory  | 5-20R       |
| HBL8300HR‡                                      | <a href="#">89003231</a> | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle                  | Red    | 5-20R       |
| HBL8300I  | <a href="#">88127754</a> | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle                  | Ivory  | 5-20R       |
| HBL8300SGIA                                     | <a href="#">22017498</a> | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle Tamper Resistant | Ivory  | 5-20R       |
| HBL8310I  | <a href="#">88127761</a> | 2-Pole 3-Wire        | 125V AC        | Single Receptacle                  | Ivory  | 5-20R       |
| HBL8310R  | <a href="#">88127762</a> | 2-Pole 3-Wire        | 125V AC        | Single Receptacle                  | Red    | 5-20R       |

Continued ►

## Straight Blade Receptacles

Hubbell Wiring Device-Kellems

| Mfg. No.                      | Advanced ID | Wiring Configuration | Voltage Rating | Type                       | Color  | NEMA Rating |
|-------------------------------|-------------|----------------------|----------------|----------------------------|--------|-------------|
| <b>Heavy Duty Spec Grade</b>  |             |                      |                |                            |        |             |
| HBL5661                       | 88127263    | 2-Pole 3-Wire        | 250V AC        | Single Receptacle          | Brown  | 6-15R       |
| HBL5661I                      | 88127264    | 2-Pole 3-Wire        | 250V AC        | Single Receptacle          | Ivory  | 6-15R       |
| HBL5662                       | 88127265    | 2-Pole 3-Wire        | 250V AC        | Duplex Receptacle          | Brown  | 6-15R       |
| HBL5251                       | 88127057    | 2-Pole 3-Wire        | 125V AC        | Single Receptacle / Marine | Brown  | 5-15R       |
| HBL5251I                      | 88127059    | 2-Pole 3-Wire        | 125V AC        | Flush Single               | Ivory  | 5-15R       |
| HBL5252                       | 88127060    | 2-Pole 3-Wire        | 125V AC        | Flush Duplex               | Brown  | 5-15R       |
| HBL5252I                      | 88127063    | 2-Pole 3-Wire        | 125V AC        | Flush Duplex               | Ivory  | 5-15R       |
| HBL5256                       | 88127070    | 2-Pole 3-Wire        | 125V AC        | Flanged Single             | Brown  | 5-15R       |
| HBL5258                       | 97211759    | 2-Pole 3-Wire        | 125V AC        | Panel Single               | Brown  | 5-15R       |
| HBL5261                       | 88127074    | 2-Pole 3-Wire        | 125V AC        | Single Receptacle          | Brown  | 5-15R       |
| HBL5261I                      | 88127076    | 2-Pole 3-Wire        | 125V AC        | Single Receptacle          | Ivory  | 5-15R       |
| HBL5262                       | 88127079    | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle          | Brown  | 5-15R       |
| HBL5262I                      | 88127082    | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle          | Ivory  | 5-15R       |
| HBL5352                       | 88127164    | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle          | Brown  | 5-20R       |
| HBL5352BL                     | 93164404    | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle          | Blue   | 5-20R       |
| HBL5352GY                     | 88127166    | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle          | Gray   | 5-20R       |
| HBL5352I                      | 88127167    | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle          | Ivory  | 5-20R       |
| HBL5352R                      | 92142561    | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle          | Red    | 5-20R       |
| HBL5352W                      | 88127170    | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle          | White  | 5-20R       |
| HBL5361GRY                    | 88127175    | 2-Pole 3-Wire        | 125V AC        | Single Receptacle          | Gray   | 5-20R       |
| HBL5361I                      | 88127176    | 2-Pole 3-Wire        | 125V AC        | Single Receptacle          | Ivory  | 5-20R       |
| HBL5362                       | 88127179    | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle          | Brown  | 5-20R       |
| HBL5362BK                     | 88127180    | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle          | Black  | 5-20R       |
| HBL5362GY                     | 88127181    | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle          | Gray   | 5-20R       |
| HBL5362ISA                    | 99803100    | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle          | Ivory  | 5-20R       |
| HBL5362R                      | 88127183    | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle          | Red    | 5-20R       |
| HBL5362SA                     | 99803121    | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle          | Blue   | 5-20R       |
| HBL5362W                      | 88127184    | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle          | White  | 5-20R       |
| HBL53CM62                     | 88127199    | 2-Pole 3-Wire        | 125V AC        | Duplex Marine              | Yellow | 5-20R       |
| HBL5461                       | 88127209    | 2-Pole 3-Wire        | 250V AC        | Single Receptacle          | Brown  | 6-20R       |
| HBL5461I                      | 88127210    | 2-Pole 3-Wire        | 250V AC        | Single Receptacle          | Ivory  | 6-20R       |
| HBL5462                       | 88127211    | 2-Pole 3-Wire        | 250V AC        | Duplex Receptacle          | Brown  | 6-20R       |
| HBL5462I                      | 88127213    | 2-Pole 3-Wire        | 250V AC        | Duplex Receptacle          | Ivory  | 6-20R       |
| HBL5242                       | 88127054    | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle          | Brown  | 5-15R       |
| HBL5342                       | 88127159    | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle          | Brown  | 5-20R       |
| HBL5235                       | 88127050    | 2-Pole 3-Wire        | 125V AC        | Single Receptacle          | Brown  | 5-20R       |
| <b>Style Line, Spec Grade</b> |             |                      |                |                            |        |             |
| HBL2162                       | 90072979    | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle          | Brown  | 5-20R       |
| HBL2162GY                     | 90072980    | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle          | Gray   | 5-20R       |
| HBL2162I                      | 90058241    | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle          | Ivory  | 5-20R       |
| HBL2162WA                     | 94024338    | 2-Pole 3-Wire        | 125V AC        | Duplex Receptacle          | White  | 5-20R       |
| <b>Heavy Duty Spec Grade</b>  |             |                      |                |                            |        |             |
| HBL5279C                      | 95005499    | 2-Pole 3-Wire        | 125V AC        | Flanged                    | White  | 5-15R       |
| HBL7962                       | 88127690    | 3-Pole 3-Wire        | 125/250V AC    | Surface Single             | Black  | 10-50R      |
| HBL8410                       | 88127770    | 3-Pole 4-Wire        | 125/250V AC    | Flush Single               | Black  | 14-20R      |
| HBL8420                       | 88127773    | 3-Pole 4-Wire        | 250V AC        | Flush Single               | Black  | 15-20R      |
| HBL8430A                      | 90077895    | 3-Pole 4-Wire        | 3Ø 250V AC     | Flush Single               | Black  | 15-30R      |
| HBL8450A                      | 90077890    | 3-Pole 4-Wire        | 3Ø 250V AC     | Flush Single               | Black  | 15-50R      |
| HBL9308                       | 88127851    | 2-Pole 3-Wire        | 125V AC        | Flush Single               | Black  | 5-30R       |
| HBL9330                       | 88127858    | 2-Pole 3-Wire        | 250V AC        | Flush Single               | Black  | 6-30R       |
| HBL9350                       | 88127870    | 3-Pole 3-Wire        | 125/250V AC    | Flush Single               | Black  | 10-30R      |
| HBL9360                       | 88127877    | 2-Pole 3-Wire        | 125V AC        | Flush Single               | Black  | 5-50R       |
| HBL9367                       | 88127881    | 2-Pole 3-Wire        | 250V AC        | Flush Single               | Black  | 6-50R       |
| HBL9430A                      | 90077902    | 3-Pole 4-Wire        | 125/250V AC    | Flush Single               | Black  | 14-30R      |
| HBL9450A                      | 88127949    | 3-Pole 4-Wire        | 125/250V AC    | Flush Single               | Black  | 14-50R      |
| HBL9460A                      | 90077898    | 3-Pole 4-Wire        | 125/250V AC    | Flush Single               | Black  | 14-60R      |

\* Hospital Grade

† Finder Groove Nylon Face

‡ Slender Compact

### Ground Fault Circuit Interrupters, Receptacles

Hubbell Wiring Device-Kellems



GF15 Series



GF8200H Series



GF5362A & GF5362WA

GFCI receptacles provide protection from harmful ground fault leakage currents created by damaged wiring, frayed cord, equipment contact with moisture and faulty electrical tools. The National Electrical Code requires GFCI protection in many areas including bathrooms, unfinished basements, kitchens, outdoor outlets and swimming pools. Hubbell GFCI Receptacles meet Underwriters Laboratory and Canadian Standard requirements and conform to National and Canadian Electrical Codes.

#### Features

- GF15 and GF20 Series Meet New 2006 UL 943 Reverse Wiring Requirement - No Power to Face when Line and Load are Reversed
- GF15 and GF20 Series Meet New 2006 UL 943 Requirement for "End Use" Indication. When Unit can No Longer Provide GFCI Protection, Upon Test, the Hubbell LED will Rapidly Flash Red

| Mfg. No.    | Advanced ID              | Type                            | No. of Poles | No. of Wires | Amps | NEMA Rating |
|-------------|--------------------------|---------------------------------|--------------|--------------|------|-------------|
| GF15L       | <a href="#">25071597</a> | Commercial Spec. Grade          | 2            | 3            | 15   | 5-15R       |
| GF15BKL     | <a href="#">25071601</a> | Commercial Spec. Grade          | 2            | 3            | 15   | 5-15R       |
| GF15GYL     | <a href="#">25071600</a> | Commercial Spec. Grade          | 2            | 3            | 15   | 5-15R       |
| GF15IL      | <a href="#">25071598</a> | Commercial Spec. Grade          | 2            | 3            | 15   | 5-15R       |
| GF20BKL     | <a href="#">25071609</a> | Commercial Spec. Grade          | 2            | 3            | 20   | 5-20R       |
| GF20GYL     | <a href="#">25071608</a> | Commercial Spec. Grade          | 2            | 3            | 20   | 5-20R       |
| GF20IL      | <a href="#">25071606</a> | Commercial Spec. Grade          | 2            | 3            | 20   | 5-20R       |
| GF20RL      | <a href="#">25071610</a> | Commercial Spec. Grade          | 2            | 3            | 20   | 5-20R       |
| GF20WL      | <a href="#">25071607</a> | Commercial Spec. Grade          | 2            | 3            | 20   | 5-20R       |
| GFR8200HIL  | <a href="#">25056256</a> | Commercial Hospital Grade w/LED | 2            | 3            | 15   | 5-15R       |
| GFR8200HGYL | <a href="#">25056255</a> | Commercial Hospital Grade w/LED | 2            | 3            | 20   | 5-20R       |
| GFR8300HIL  | <a href="#">25056264</a> | Commercial Hospital Grade w/LED | 2            | 3            | 20   | 5-20R       |
| GFR8300HRL  | <a href="#">25056267</a> | Commercial Hospital Grade w/LED | 2            | 3            | 20   | 5-20R       |
| GFR8300HWL  | <a href="#">25055903</a> | Commercial Hospital Grade w/LED | 2            | 3            | 20   | 5-20R       |
| GF5362A     | <a href="#">22054693</a> | Heavy-Duty Spec. Grade          | 2            | 3            | 20   | 5-20R       |
| GF5362WA    | <a href="#">22054695</a> | Heavy-Duty Spec. Grade          | 2            | 3            | 20   | 5-20R       |

### AC Combination Devices

Leviton Manufacturing Co.



5225



5224-2



5226-1



5334-1

#### Features

- Commercial Grade
- Fits Standard Duplex Wallplate

| Mfg. No.   | Advanced ID              | Color  | Amp Rating | Type                                    | Wiring Configuration |
|--|--------------------------|--------|------------|---|----------------------|
| <b>AC Combination Devices</b>  |                          |        |            |   |                      |
| <b>15A 125V AC Receptacle 15A 120V AC 1/2 hp @ 120V AC</b>               |                          |        |            |   |                      |
| 5225   | <a href="#">88156598</a> | Brown  | 15         | 1 Single-Pole Switch/1 Receptacle       | Side Wired           |
| 5225-I   | <a href="#">88156600</a> | Ivory  | 15         | 1 Single-Pole Switch/1 Receptacle       | Side Wired           |
| 5225-W   | <a href="#">90083386</a> | White  | 15         | 1 Single-Pole Switch/1 Receptacle       | Side Wired           |
| <b>15A 120/277V AC 1/2 hp @ 120V 2 hp @ 240V Switches</b>                |                          |        |            |   |                      |
| 5224-2   | <a href="#">88156591</a> | Brown  | 15         | 2 Single-Pole Switches Grounding        | Side Wired           |
| 5224-2A  | <a href="#">99503556</a> | Almond | 15         | 2 Single-Pole Switches Grounding        | Side Wired           |
| 5224-2I  | <a href="#">88156592</a> | Ivory  | 15         | 2 Single-Pole Switches Grounding        | Side Wired           |
| 5224-2W  | <a href="#">88156593</a> | White  | 15         | 2 Single-Pole Switches Grounding        | Side Wired           |
| 5224-I   | <a href="#">88156594</a> | Ivory  | 15         | 2 Single-Pole Switches                  | Side Wired           |
| 5241-I   | <a href="#">88156620</a> | Ivory  | 15         | 1 Single-Pole Switch/1 Three-Way Switch | Side Wired           |
| 5241-W   | <a href="#">88156621</a> | White  | 15         | 1 Single-Pole Switch/1 Three-Way Switch | Side Wired           |
| 5243-I   | <a href="#">88156629</a> | Ivory  | 15         | 2 Three-Way Switches                    | Side Wired           |
| 5243-W   | <a href="#">88156630</a> | White  | 15         | 2 Three-Way Switches                    | Side Wired           |
| <b>15A 120V AC 1/2 hp @ 120V, Switch 1/25 Watt 120V Neon Pilot Light</b> |                          |        |            |   |                      |
| 5226-I   | <a href="#">88156605</a> | Ivory  | 15         | 1 Single-Pole Switch/1 Pilot Light      | Side Wired           |
| 5226-W   | <a href="#">88156608</a> | White  | 15         | 1 Single-Pole Switch/1 Pilot Light      | Side Wired           |
| <b>20A 120/277V AC 1 hp @ 120V 2 hp @ 240V AC Switches</b>               |                          |        |            |   |                      |
| 5334-I   | <a href="#">88156743</a> | Ivory  | 20         | 2 Single-Pole Switches                  | Side Wired           |

### Decora® Combination Devices

Leviton Manufacturing Co.

Elegant Decora styling provides multiple control in a single-gang wall box.

#### Features

- Commercial Grade
- Fits Standard Decora Wallplate



| Mfg. No. | Advanced ID              | Color  | Amp Rating | Type                                    | Wiring Configuration |
|----------|--------------------------|--------|------------|---|----------------------|
| 5625-W   | <a href="#">88157072</a> | White  | 15         | 1 Single-Pole Switch/1 Receptacle       | Side Wired           |
| 5634-A   | <a href="#">97120763</a> | Almond | 15         | 2 Single-Pole Switches                  | Side Wired           |
| 5634-I   | <a href="#">88157095</a> | Ivory  | 15         | 2 Single-Pole Switches                  | Side Wired           |
| 5634-W   | <a href="#">88157096</a> | White  | 15         | 2 Single-Pole Switches                  | Side Wired           |
| 5641-I   | <a href="#">88157098</a> | Ivory  | 15         | 1 Single-Pole Switch/1 Three-Way Switch | Side Wired           |
| 5641-W   | <a href="#">88157099</a> | White  | 15         | 1 Single-Pole Switch/1 Three-Way Switch | Side Wired           |
| 5643-W   | <a href="#">88157102</a> | White  | 15         | 2 Three-Way Switches                    | Side Wired           |
| 1754-W   | <a href="#">92122552</a> | White  | 15         | 2 Single-Pole Dual Rocker Switches      | Side Wired           |
| 1755-W   | <a href="#">92122549</a> | White  | 15         | 3 Single-Pole Rocker Switches           | Side Wired           |



### Non-Metallic Wall Plates

Leviton Manufacturing Co.



80405-W



80601-I



80503-I

Leviton Plastic and Nylon wall plates.

| Mfg. No.  | Advanced ID | Opening                     | Number of Gangs | Color  |
|---|-------------|-----------------------------|-----------------|--------|
| <b>Decora Standard Size Smooth Plastic Wallplates</b> |             |                             |                 |        |
| 80401-A   | 92043354    | 1 Decora                    | 1               | Almond |
| 80401-E   | 88158030    | 1 Decora                    | 1               | Black  |
| 80401-W   | 88158037    | 1 Decora                    | 1               | White  |
| 80405-I   | 88158040    | Decora/1 Device/1 Toggle    | 2               | Ivory  |
| 80405-W   | 88158041    | Decora/1 Device/1 Toggle    | 2               | White  |
| 80409-A   | 92043353    | 2 Decora                    | 2               | Almond |
| 80409-I   | 88158049    | 2 Decora                    | 2               | Ivory  |
| 80409-W   | 88158054    | 2 Decora                    | 2               | White  |
| 80411-A   | 92043355    | 3 Decora                    | 3               | Almond |
| 80411-I   | 88158058    | 3 Decora                    | 3               | Ivory  |
| 80411-W   | 88158063    | 3 Decora                    | 3               | White  |
| 80412-A   | 92051094    | 4 Decora                    | 4               | Almond |
| 80412-I   | 88158066    | 4 Decora                    | 4               | Ivory  |
| 80412-W   | 88158067    | 4 Decora                    | 4               | White  |
| 80421-I   | 88158074    | 2 Toggle/1 Decora/GFCI      | 3               | Ivory  |
| 80421-W   | 88158075    | 2 Toggle/1 Decora/GFCI      | 3               | White  |
| 80423-A   | 92094614    | 5 Decora                    | 5               | Almond |
| 80423-I   | 88158077    | 5 Decora                    | 5               | Ivory  |
| 80423-W   | 88158078    | 5 Decora                    | 5               | White  |
| 80431-W   | 88158082    | 2 Decora/GFCI/1 Toggle      | 3               | White  |
| 80436-W   | 88158085    | 6 Decora                    | 6               | White  |
| 80455-I   | 90004672    | 1 Duplex/1 Decora/GFCI      | 2               | Ivory  |
| 80455-W   | 90013233    | 1 Duplex/1 Decora/GFCI      | 2               | White  |
| <b>Midway Size Smooth Plastic Wallplates</b>          |             |                             |                 |        |
| 80601-I   | 88158141    | 1 Decora                    | 1               | Ivory  |
| 80601-W   | 88158142    | 1 Decora                    | 1               | White  |
| 80605-W   | 88158145    | 1 Toggle/1 Decora           | 2               | White  |
| 80609-W   | 88158151    | 2 Decora                    | 2               | White  |
| 80611-W   | 90045193    | 3 Decora                    | 3               | White  |
| 80612-W   | 90075708    | 4 Decora                    | 4               | White  |
| <b>Decora Commercial Grade Nylon Wallplates</b>       |             |                             |                 |        |
| 80401-NI  | 88158035    | 1 Decora                    | 1               | Ivory  |
| 80401-NW  | 88158036    | 1 Decora                    | 1               | White  |
| 80409-NW  | 88158053    | 2 Decora                    | 2               | White  |
| 80411-NW  | 88158062    | 3 Decora                    | 3               | White  |
| 80412-NW  | 90087517    | 4 Decora                    | 4               | White  |
| <b>Midway Size Nylon Wallplates</b>                   |             |                             |                 |        |
| 80501-A   | 99520405    | 1 Toggle                    | 1               | Almond |
| 80501-I   | 88158095    | 1 Toggle                    | 1               | Ivory  |
| 80501-W   | 88158096    | 1 Toggle                    | 1               | White  |
| 80503-A   | 99520408    | 1 Duplex                    | 1               | Almond |
| 80503-I   | 88158098    | 1 Duplex                    | 1               | Ivory  |
| 80503-W   | 88158099    | 1 Duplex                    | 1               | White  |
| 80504-W   | 88158102    | 1 Single 1.406 in. Dia Hole | 1               | White  |
| 80505-W   | 88158105    | 1 Toggle/1 Duplex           | 2               | White  |
| 80509-A   | 99520406    | 2 Toggle                    | 2               | Almond |
| 80509-I   | 88158112    | 2 Toggle                    | 2               | Ivory  |
| 80509-W   | 88158113    | 2 Toggle                    | 2               | White  |

Continued ►



## Non-Metallic Wall Plates

Leviton Manufacturing Co.

| Mfg. No.   | Advanced ID | Opening                                      | Number of Gangs | Color  |
|--|-------------|--|-----------------|--------|
| <b>Midway Size Nylon Wallplates</b>                              |             |  |                 |        |
| 80511-I  | 88158115    | 3 Toggle                                     | 3               | Ivory  |
| 80511-W  | 88158116    | 3 Toggle                                     | 3               | White  |
| 80512-I  | 90045199    | 4 Toggle                                     | 4               | Ivory  |
| 80512-W  | 90045196    | 4 Toggle                                     | 4               | White  |
| 80513-W  | 88158119    | 1 Phone/Cable .312" Diameter Hole, Box Mount | 1               | White  |
| 80514-I  | 88158121    | 1 Blank Box Mount                            | 1               | Ivory  |
| 80514-W  | 88158122    | 1 Blank Box Mount                            | 1               | White  |
| 80516-I  | 88158124    | 2 Duplex Receptacle                          | 2               | Ivory  |
| 80516-W  | 88158125    | 2 Duplex Receptacle                          | 2               | White  |
| 80521-W  | 90075711    | 2 Toggle/1 Duplex                            | 3               | White  |
| 80525-I  | 88158131    | 2 Blank Box Mount                            | 2               | Ivory  |
| 80525-W  | 88158132    | 2 Blank Box Mount                            | 2               | White  |
| 80526-I  | 88158134    | Power Outlet 2.15" Diameter Hole Midway      | 2               | Ivory  |
| 80526-W  | 96004852    | Power Outlet 2.15" Diameter Hole Midway      | 2               | White  |
| <b>Standard Size Commercial Grade Nylon Wallplates</b>           |             |  |                 |        |
| 80701-I  | 88158160    | 1 Toggle                                     | 1               | Ivory  |
| 80701-W  | 88158162    | 1 Toggle                                     | 1               | White  |
| 80703-E  | 88158165    | 1 Duplex                                     | 1               | Black  |
| 80703-GY   | 88158167    | 1 Duplex                                     | 1               | Gray   |
| 80703-I  | 88158168    | 1 Duplex                                     | 1               | Ivory  |
| 80703-R  | 88158171    | 1 Duplex                                     | 1               | Red    |
| 80703-W  | 88158173    | 1 Duplex                                     | 1               | White  |
| 80709-I  | 88158196    | 2 Toggle                                     | 2               | Ivory  |
| 80709-W  | 88158198    | 2 Toggle                                     | 2               | White  |
| 80711-I  | 88158202    | 3 Toggle                                     | 3               | Ivory  |
| 80714-W  | 88158216    | 1 Blank Box Mount                            | 1               | White  |
| 80716-I  | 88158220    | 2 Duplex Receptacle                          | 2               | Ivory  |
| 80716-W  | 88158222    | 2 Duplex Receptacle                          | 2               | White  |
| 80725-I  | 88158251    | 2 Blank Box Mount                            | 2               | Ivory  |
| 80725-W  | 88158253    | 2 Blank Box Mount                            | 2               | White  |
| <b>Standard Size Residential Grade Plastic Toggle Switch</b>     |             |  |                 |        |
| 82001  | 97190955    | 1 Toggle                                     | 1               | Almond |
| 82009  | 97190952    | 2 Toggle                                     | 2               | Almond |
| 82011  | 97221267    | 3 Toggle                                     | 3               | Almond |
| 82012  | 97254215    | 4 Toggle                                     | 4               | Almond |
| 86001  | 88158470    | 1 Toggle                                     | 1               | Ivory  |
| 86009  | 88158479    | 2 Toggle                                     | 2               | Ivory  |
| 86011  | 88158482    | 3 Toggle                                     | 3               | Ivory  |
| 86012  | 88158483    | 4 Toggle                                     | 4               | Ivory  |
| 86023  | 88158491    | 5 Toggle                                     | 5               | Ivory  |
| 88001  | 88158534    | 1 Toggle                                     | 1               | White  |
| 88009  | 88158542    | 2 Toggle                                     | 2               | White  |
| 88011  | 88158544    | 3 Toggle                                     | 3               | White  |
| 88023  | 88158553    | 5 Toggle                                     | 5               | White  |
| <b>Standard Size Residential Grade Plastic Duplex Receptacle</b> |             |  |                 |        |
| 82003  | 94038688    | 1 Duplex                                     | 1               | Almond |
| 85003  | 88158434    | 1 Duplex                                     | 1               | Brown  |
| 86003  | 88158473    | 1 Duplex                                     | 1               | Ivory  |
| 88003  | 88158536    | 1 Duplex                                     | 1               | White  |
| <b>Standard Size Residential Grade Plastic Single Receptacle</b> |             |  |                 |        |
| 82004  | 99434081    | 1 Single 1.406 in. Dia Hole                  | 1               | Almond |
| 86004  | 88158475    | 1 Single 1.406 in. Dia. Hole                 | 1               | Ivory  |
| 86005  | 88158477    | 1 Toggle/1 Duplex                            | 2               | Ivory  |
| 86006  | 90004678    | 1 Toggle/1 Blank Box Mount                   | 2               | Ivory  |
| 88004  | 88158538    | 1 Single 1.406 in. Dia Hole                  | 1               | White  |

Continued ►

### Non-Metallic Wall Plates

Leviton Manufacturing Co.

| Mfg. No.   | Advanced ID              | Opening                                      | Number of Gangs | Color  |
|--|--------------------------|--|-----------------|--------|
| <b>Standard Size Residential Grade Plastic Single Receptacle</b>                     |                          |  |                 |        |
| 88005  | <a href="#">88158540</a> | 1 Toggle/1 Duplex                            | 2               | White  |
| <b>Standard Size Residential Grade Plastic Telephone or Cable Outlet - Box Mount</b> |                          |  |                 |        |
| 86013  | <a href="#">88158484</a> | 1 Phone/Cable .406" Diameter Hole, Box Mount | 1               | Ivory  |
| 88013  | <a href="#">88158546</a> | 1 Phone/Cable .406" Diameter Hole, Box Mount | 1               | White  |
| <b>Standard Size Residential Grade Plastic Blank Plate - Box Mount</b>               |                          |  |                 |        |
| 82014  | <a href="#">94032626</a> | 1 Blank Box Mount                            | 1               | Almond |
| 86014  | <a href="#">88158485</a> | 1 Blank Box Mount                            | 1               | Ivory  |
| 86025  | <a href="#">88158492</a> | 2 Blank Box Mount                            | 2               | Ivory  |
| 86033  | <a href="#">90013229</a> | 3 Blank Box Mount                            | 3               | Ivory  |
| 86064  | <a href="#">90072386</a> | 4 Blank Box Mount                            | 4               | Ivory  |
| 88025  | <a href="#">88158554</a> | 1 Phone/Cable .406" Diameter Hole, Box Mount | 1               | White  |
| 88033  | <a href="#">90087545</a> | 3 Blank Box Mount                            | 3               | White  |
| 88064  | <a href="#">90087549</a> | 4 Blank Box Mount                            | 4               | White  |
| <b>Standard Size Residential Grade Plastic Blank Plate - Strap Mount</b>             |                          |  |                 |        |
| 86019  | <a href="#">90004674</a> | 1 Blank Box Mount                            | 1               | Ivory  |
| <b>Standard Size Residential Grade Plastic Louvre Plates</b>                         |                          |  |                 |        |
| 88079  | <a href="#">96086433</a> | Horizontal Louvre and Strap Mount            | 1               | White  |
| <b>Standard Size Residential Grade Plastic Toggle Switch and Duplex Receptacle</b>   |                          |  |                 |        |
| 88021  | <a href="#">88158552</a> | 2 Toggle/1 Duplex                            | 3               | White  |
| <b>Large Size Residential Grade Plastic Oversized Wallplates</b>                     |                          |  |                 |        |
| 86103  | <a href="#">88158495</a> | 1 Duplex                                     | 1               | Ivory  |
| 86116  | <a href="#">88158500</a> | 2 Duplex Receptacle                          | 2               | Ivory  |
| 88101  | <a href="#">88158556</a> | 1 Toggle                                     | 1               | White  |
| 88103  | <a href="#">88158557</a> | 1 Duplex                                     | 1               | White  |
| <b>Standard Size Residential Grade Plastic Toggle Switch and Decora/GFCI</b>         |                          |  |                 |        |
| P326-W   | <a href="#">93169103</a> | 3 Toggle/1 Decora/GFCI                       | 4               | White  |
| <b>Standard Size Residential Grade Toggle Switch and Duplex Receptacle</b>           |                          |  |                 |        |
| P38-W  | <a href="#">93168887</a> | 3 Toggle/1 Duplex                            | 4               | White  |
| <b>Midway Size Commercial Grade Nylon Wallplates</b>                                 |                          |  |                 |        |
| PJ1-I  | <a href="#">98416572</a> | 1 Toggle                                     | 1               | Ivory  |
| PJ1-W  | <a href="#">98416574</a> | 1 Toggle                                     | 1               | White  |
| PJ2-W  | <a href="#">98416579</a> | 2 Toggle                                     | 2               | White  |
| PJ3-W  | <a href="#">98416584</a> | 3 Toggle                                     | 3               | White  |
| PJ8-I  | <a href="#">98416595</a> | 1 Duplex                                     | 1               | Ivory  |
| PJ8-W  | <a href="#">98416597</a> | 1 Duplex                                     | 1               | White  |
| PJ13-W   | <a href="#">99476456</a> | 1 Blank Box Mount                            | 1               | White  |
| PJ26-I   | <a href="#">99520572</a> | 1 Decora                                     | 1               | Ivory  |
| PJ26-W   | <a href="#">99526315</a> | 1 Decora                                     | 1               | White  |

### Metallic Wall Plates

Leviton Manufacturing Co.



84401-40



84001-40



84003



84014



4927



4934



84020-40

#### Features

- Resistant to Corrosive Effects of Sunlight and Moisture
- Round on Edges to Prevent Injury and Wall Damage
- Deluxe Stainless Steel is Ono-Magnetic Type 302, .032 in. Thick
- Standard Stainless Steel is Type 430, .032 in. Thick
- Aluminum is 3004 Alloy, .040 in. Thick
- Includes Matching Metal Mounting Screw(s)

| Mfg. No.  | Advanced ID              | Number of Gangs | Opening   | Material                 |
|---|--------------------------|-----------------|---|--------------------------|
| <b>Standard Size Metal Wallplates</b>                               |                          |                 |   |                          |
| <b>Decora Designer Style</b>  |                          |                 |   |                          |
| 84401-40  | <a href="#">88158425</a> | 1               | Decora  | Stainless Steel Type 302 |
| 84409-40  | <a href="#">88158426</a> | 2               | Decora  | Stainless Steel Type 302 |
| 84411-40  | <a href="#">88158427</a> | 3               | Decora  | Stainless Steel Type 302 |
| 84455-40  | <a href="#">90014359</a> | 2               | Pierced for one Decora and one Duplex Receptacle          | Stainless Steel Type 302 |
| <b>Toggle Switch and Decora/GFCI</b>                                |                          |                 |   |                          |
| S126  | <a href="#">93147605</a> | 2               | 1 Standard Toggle and 1 Standard Decora                   | Stainless Steel Type 430 |
| <b>Toggle Switch</b>  |                          |                 |   |                          |
| 84001-40  | <a href="#">88158366</a> | 1               | 1 Toggle  | Stainless Steel Type 302 |
| 84009   | <a href="#">88158375</a> | 2               | 2 Toggles   | Stainless Steel Type 430 |
| 84009-40  | <a href="#">88158376</a> | 2               | 2 Toggles   | Stainless Steel Type 302 |
| 84011   | <a href="#">88158377</a> | 3               | 3 Toggles   | Stainless Steel Type 430 |
| 84011-40  | <a href="#">88158378</a> | 3               | 3 Toggles   | Stainless Steel Type 302 |
| 84012   | <a href="#">88158379</a> | 4               | 4 Toggles   | Stainless Steel Type 430 |
| <b>Duplex Receptacle</b>  |                          |                 |   |                          |
| 84003   | <a href="#">88158367</a> | 1               | 1 Duplex Receptacle                                       | Stainless Steel Type 430 |
| 84003-40  | <a href="#">90087592</a> | 1               | 1 Duplex Receptacle                                       | Stainless Steel Type 302 |
| 84016   | <a href="#">88158385</a> | 2               | 2 Duplex Receptacle                                       | Stainless Steel Type 430 |
| 84016-40  | <a href="#">88158386</a> | 2               | 2 Duplex Receptacle                                       | Stainless Steel Type 302 |
| <b>Single Receptacle, 15 and 20A Straight Blade and 15A Locking</b> |                          |                 |   |                          |
| 84004-40  | <a href="#">88158370</a> | 1               | Single Outlet 1.406 in. Diameter                          | Stainless Steel Type 302 |
| <b>Blank Plate - Box Mount</b>                                      |                          |                 |   |                          |
| 84014   | <a href="#">88158383</a> | 1               | Pierced for Box Mount                                     | Stainless Steel Type 430 |
| 84014-40  | <a href="#">88158384</a> | 1               | Blank Pierced for Box Mount                               | Stainless Steel Type 302 |
| 84025   | <a href="#">88158399</a> | 2               | Blank Pierced for Box Mounting                            | Stainless Steel Type 430 |
| 84025-40  | <a href="#">88158400</a> | 2               | Blank Pierced for Box Mount                               | Stainless Steel Type 302 |
| 84033-40  | <a href="#">88158404</a> | 3               | Blank w/ Screws for Box Mounting                          | Stainless Steel Type 302 |
| 84064   | <a href="#">90072385</a> | 4               | Box Mount   | Stainless Steel Type 430 |
| <b>Blank Plate - Strap Mount</b>                                    |                          |                 |   |                          |
| 84019   | <a href="#">88158391</a> | 1               | Blank Pierced for Strap Mount                             | Stainless Steel Type 430 |
| <b>Power Outlet Receptacle - Single-Gang Mounting</b>               |                          |                 |   |                          |
| 4927  | <a href="#">88156447</a> | 1               | 2.147 in. Dia Hole  | Gray Steel               |
| 84028   | <a href="#">88158403</a> | 1               | Single Receptacle 2.147 in. Diameter                      | Stainless Steel Type 430 |
| <b>Power Outlet Receptacle - 2-Gang Mounting</b>                    |                          |                 |   |                          |
| 83026   | <a href="#">88158336</a> | 2               | Flush Power Receptacle 2.147 in. Diameter Center in Plate | Aluminum                 |
| 4934  | <a href="#">88156449</a> | 2               | 2.147 in. Dia Centered Opening                            | Gray Steel               |

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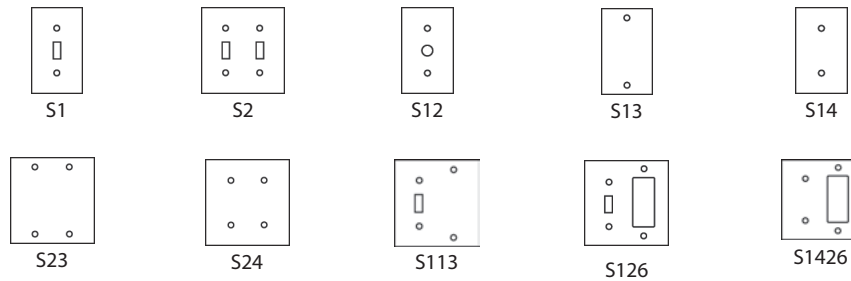
### Metallic Wall Plates

Leviton Manufacturing Co.

| Mfg. No.   | Advanced ID              | Number of Gangs | Opening  | Material                 |
|--|--------------------------|-----------------|--|--------------------------|
| <b>Standard Size Metal Wallplates</b>                      |                          |                 |  |                          |
| <b>Power Outlet Receptacle - 2-Gang Mounting</b>           |                          |                 |  |                          |
| S701-GY  | <a href="#">95075270</a> | 2               | Power Receptacle Pierced for Single Outlet 2.465" Diameter | Gray Steel               |
| <b>Locking Receptacle - Single-Gang</b>                    |                          |                 |  |                          |
| 84020-40   | <a href="#">88158393</a> | 1               | One Power Receptacle 1.578" Diameter                       | Stainless Steel Type 302 |
| <b>Toggle Switch and Duplex Receptacle</b>                 |                          |                 |  |                          |
| 84005  | <a href="#">88158371</a> | 2               | Pierced for one Toggle and one Duplex Receptacle           | Stainless Steel Type 430 |
| <b>Toggle Switch and Blank - Box Mount and Strap Mount</b> |                          |                 |  |                          |
| 84077-40   | <a href="#">90074846</a> | 2               | 1 Strap Mount 1 Toggle                                     | Stainless Steel Type 302 |
| <b>Standard Combination - 2-Gang</b>                       |                          |                 |  |                          |
| 84008-40   | <a href="#">95008241</a> | 2               | 1 Blank Box Mount 1 Duplex                                 | Stainless Steel Type 302 |
| <b>Large Size Metal Wallplates</b>                         |                          |                 |  |                          |
| <b>Oversized Wallplates</b>                                |                          |                 |  |                          |
| 84101  | <a href="#">90045209</a> | 1               | 1 Toggle   | Stainless Steel Type 430 |
| 84101-40   | <a href="#">90075648</a> | 1               | 1 Toggle   | Stainless Steel Type 302 |
| 84103  | <a href="#">90045208</a> | 1               | 1 Duplex Receptacle  | Stainless Steel Type 430 |
| 84103-40   | <a href="#">90075645</a> | 1               | 1 Duplex Receptacle  | Stainless Steel Type 302 |
| 84109-40   | <a href="#">90075636</a> | 2               | 2 Toggles  | Stainless Steel Type 302 |
| 84114  | <a href="#">90045203</a> | 1               | Box Mount  | Stainless Steel Type 430 |
| 84116  | <a href="#">90045202</a> | 2               | 2 Duplex Receptacles                                       | Stainless Steel Type 430 |
| 84125-40   | <a href="#">90075630</a> | 2               | Blank Pierced Box Mount                                    | Stainless Steel Type 302 |
| SO26   | <a href="#">98306480</a> | 1               | Decora   | Stainless Steel Type 430 |

### Metallic Wall Plates

Hubbell Wiring Device-Kellems



Hubbell's smooth metallic 302/304 Super Stainless Steel wall plates provide extended life in abusive and corrosive environments.

| Mfg. No. | Advanced ID | Number of Gangs | Opening                      | Material                     |
|----------|-------------|-----------------|------------------------------|------------------------------|
| S1       | 88129021    | 1               | 1 Toggle                     | Stainless Steel Type 304/302 |
| S2       | 88129040    | 2               | 2 Toggles                    | Stainless Steel Type 304/302 |
| S3       | 88129056    | 3               | 3 Toggles                    | Stainless Steel Type 304/302 |
| S4       | 88129063    | 4               | 4 Toggles                    | Stainless Steel Type 304/302 |
| S5       | 88129065    | 5               | 5 Toggles                    | Stainless Steel Type 304/302 |
| S6       | 88129067    | 6               | 6 Toggles                    | Stainless Steel Type 304/302 |
| S7       | 88129069    | 1               | 1 - 1.40 in. ID Hole         | Stainless Steel Type 304/302 |
| S8       | 88129088    | 1               | 1 Duplex                     | Stainless Steel Type 304/302 |
| S12      | 88129028    | 1               | 1 Telephone, .64 in. Opening | Stainless Steel Type 304/302 |
| S13      | 88129031    | 1               | Blank, Box Mount             | Stainless Steel Type 304/302 |
| S14      | 88129033    | 1               | Blank, Strap Mount           | Stainless Steel Type 304/302 |
| S23      | 88129048    | 2               | Blank, Box Mount             | Stainless Steel Type 304/302 |
| S24      | 90004792    | 2               | Blank, Strap Mount           | Stainless Steel Type 304/302 |
| S33      | 88129059    | 3               | Blank, Box Mount             | Stainless Steel Type 304/302 |
| S72      | 88129077    | 2               | 2 - 1.40 in. ID Holes        | Stainless Steel Type 304/302 |
| S82      | 88129091    | 2               | 2 Duplexes                   | Stainless Steel Type 304/302 |
| S83      | 88129093    | 3               | 3 Duplexes                   | Stainless Steel Type 304/302 |
| S126     | 88129029    | 2               | 1 Toggle, 1 GFCI             | Stainless Steel Type 304/302 |
| S113     | 88129027    | 2               | 1 Toggle, Blank, Box Mount   | Stainless Steel Type 304/302 |
| S262     | 90058261    | 2               | 2 GFCIs                      | Stainless Steel Type 304/302 |
| S263     | 90058262    | 3               | 3 GFCIs                      | Stainless Steel Type 304/302 |
| S701     | 88129070    | 2               | 1 - 2.48 in. ID Hole         | Stainless Steel Type 304/302 |
| S703     | 88129071    | 2               | 1 - 2.15 in. ID Hole         | Stainless Steel Type 304/302 |
| S720     | 88129078    | 1               | 1 - 1.60 in. ID Hole         | Stainless Steel Type 304/302 |
| S723     | 88129080    | 1               | 1 - 2.15 in. ID Hole         | Stainless Steel Type 304/302 |
| S749     | 95005254    | 1               | 1 - 1.60 in. ID Hole         | Stainless Steel Type 304/302 |
| S750     | 89085636    | 2               | 1 - 1.60 in. ID Hole         | Stainless Steel Type 304/302 |
| S826     | 95005255    | 2               | 1 Duplex, 1 GFCI             | Stainless Steel Type 304/302 |
| S1426    | 95005256    | 2               | Strap Mount Blank, 1 GFCI    | Stainless Steel Type 304/302 |
| SJ1      | 95005231    | 1               | 1 Toggle, Jumbo              | Stainless Steel Type 304/302 |
| SJ13     | 95005227    | 1               | Blank, Box Mount, Jumbo      | Stainless Steel Type 304/302 |
| SJ26     | 95005229    | 1               | 1 GFCI, Jumbo                | Stainless Steel Type 304/302 |
| SJ8      | 95005234    | 1               | 1 Duplex, Jumbo              | Stainless Steel Type 304/302 |
| SJ82     | 95005221    | 2               | 2 Duplexes, Jumbo            | Stainless Steel Type 304/302 |

### Straight Blade Plugs

Hubbell Wiring Device-Kellems



HBL8215CAT



HBL5266C



HBL9432C

Traditional Straight Blade configurations offered in a variety of body styles.

| Mfg. No.                                 | Advanced ID              | Cord Diameter              | Amp Rating | Wiring Configuration | Voltage Rating | Type          | Material      | NEMA Rating |
|--|--------------------------|----------------------------|------------|----------------------|----------------|---------------|---------------|-------------|
| <b>2 Pole 2 Wire - Non-Grounding</b>     |                          |                            |            |                      |                |               |               |             |
| HBL5865VY                                | <a href="#">88127285</a> | .218-.385 in. (5.5-9.8)    | 15         | 2-Pole 2-Wire        | 125V           | Straight Male | Nylon         | 1-15P       |
| <b>2 Pole 3 Wire - Grounding</b>         |                          |                            |            |                      |                |               |               |             |
| HBL14W47                                 | <a href="#">88126092</a> | .300-.655 in. (7.6-16.6)   | 15         | 2-Pole 3-Wire        | 125V           | Straight Male | Elastomer     | 5-15P       |
| HBL5565EY                                | <a href="#">99660650</a> | .220-.600in. (5.6-15.25)   | 15         | 2-Pole 3-Wire        | 125V           | Straight Male | Nylon         | 5-15P       |
| HBL8215C                                 | <a href="#">95005458</a> | .230-.720in. (5.8-18.3)    | 15         | 2-Pole 3-Wire        | 125V           | Straight Male | Nylon         | 5-15P       |
| HBL8215CAT                               | <a href="#">95005459</a> | .250-.655 in. (6.4-16.6)   | 15         | 2-Pole 3-Wire        | 125V           | Angled Male   | Polycarbonate | 5-15P       |
| HBL8215CT                                | <a href="#">95005457</a> | .230-.720in. (5.8-18.3)    | 15         | 2-Pole 3-Wire        | 125V           | Straight Male | Polycarbonate | 5-15P       |
| HBL8315C                                 | <a href="#">95005455</a> | .230-.720in. (5.8-18.3)    | 20         | 2-Pole 3-Wire        | 125V           | Straight Male | Nylon         | 5-20P       |
| HBL5666C                                 | <a href="#">95005487</a> | .230-.720in. (5.8-18.3)    | 15         | 2-Pole 3-Wire        | 250V           | Straight Male | Nylon         | 6-15P       |
| HBL9309                                  | <a href="#">88127852</a> | 6.25-1.187 in. (15.9-30.2) | 30         | 2-Pole 3-Wire        | 125V           | Angled Male   | Nylon         | 5-30P       |
| HBL9331                                  | <a href="#">88127859</a> | 6.25-1.187 in. (15.9-30.2) | 30         | 2-Pole 3-Wire        | 250V           | Angled Male   | Nylon         | 6-30P       |
| HBL9361                                  | <a href="#">88127878</a> | 6.25-1.187 in. (15.9-30.2) | 50         | 2-Pole 3-Wire        | 125V           | Angled Male   | Nylon         | 5-50P       |
| HBL9368                                  | <a href="#">88127882</a> | 6.25-1.187 in. (15.9-30.2) | 50         | 2-Pole 3-Wire        | 250V           | Angled Male   | Nylon         | 6-50P       |
| HBL5364VY                                | <a href="#">88127186</a> | .220-.660 in. (5.6-16.8)   | 20         | 2-Pole 3-Wire        | 125V           | Straight Male | Nylon         | 5-20P       |
| HBL5366C                                 | <a href="#">95005498</a> | .230-.720 in. (5.8-18.3)   | 20         | 2-Pole 3-Wire        | 125V           | Straight Male | Nylon         | 5-20P       |
| HBL5366CA                                | <a href="#">95005497</a> | .325-.655 in. (8.3-16.6)   | 20         | 2-Pole 3-Wire        | 125V           | Angled Male   | Nylon         | 5-20P       |
| HBL5466CA                                | <a href="#">95005493</a> | .325-.655 in. (8.3-16.6)   | 20         | 2-Pole 3-Wire        | 125V           | Angled Male   | Nylon         | 6-20P       |
| HBL5266C                                 | <a href="#">95005504</a> | .230-.720 in. (5.8-18.3)   | 15         | 2-Pole 3-Wire        | 125V           | Straight Male | Nylon         | 5-15P       |
| HBL5266CA                                | <a href="#">95005505</a> | .325-.655 in. (8.3-16.6)   | 15         | 2-Pole 3-Wire        | 125V           | Angled Male   | Nylon         | 5-15P       |
| HBL8115V                                 | <a href="#">88127707</a> | .300-.660 in. (7.6-16.8)   | 15         | 2-Pole 3-Wire        | 125V           | Straight Male | Nylon         | 5-15P       |
| HBL5965VY                                | <a href="#">88127306</a> | .220-.660 in. (5.6-16.8)   | 15         | 2-Pole 3-Wire        | 125V           | Straight Male | Nylon         | 5-15P       |
| <b>3 Pole 3 Wire - Non-Grounding</b>     |                          |                            |            |                      |                |               |               |             |
| HBL7513C                                 | <a href="#">90077883</a> | .625 -1.218in. (15.9-30.9) | 50         | 3-Pole 3-Wire        | 125/250V       | Straight Male | Nylon         | 10-50P      |
| HBL7977                                  | <a href="#">88127696</a> | .625 -1.218in. (15.9-30.9) | 50         | 3-Pole 3-Wire        | 125/250V       | Angled Male   | Nylon         | 10-50P      |
| HBL9333                                  | <a href="#">88127860</a> | .625-1.187 in. (15.9-30.2) | 30         | 3-Pole 3-Wire        | 125/250V       | Angled Male   | Nylon         | 10-30P      |
| <b>3 Pole 4 Wire - Grounding</b>         |                          |                            |            |                      |                |               |               |             |
| HBL8411C                                 | <a href="#">88127771</a> | .390-.775 in. (9.9-19.7)   | 20         | 3-Pole 4-Wire        | 125/250V       | Angled Male   | Nylon         | 14-20P      |
| HBL9451C                                 | <a href="#">90077904</a> | .625-1.310 in. (15.9-33.3) | 50         | 3-Pole 4-Wire        | 125/250V       | Straight Male | Nylon         | 14-50P      |
| HBL9452C                                 | <a href="#">90077901</a> | .625-1.310 in. (15.9-33.3) | 50         | 3-Pole 4-Wire        | 125/250V       | Angled Male   | Nylon         | 14-50P      |
| HBL9461C                                 | <a href="#">90077899</a> | .625-1.310 in. (15.9-33.3) | 60         | 3-Pole 4-Wire        | 125/250V       | Straight Male | Nylon         | 14-60P      |
| HBL9462C                                 | <a href="#">90077900</a> | .625-1.310 in. (15.9-33.3) | 60         | 3-Pole 4-Wire        | 125/250V       | Angled Male   | Nylon         | 14-60P      |
| HBL9431C                                 | <a href="#">90077903</a> | .625-1.310 in. (15.9-33.3) | 30         | 3-Pole 4-Wire        | 125/250V       | Straight Male | Nylon         | 14-30P      |
| HBL9432C                                 | <a href="#">88127947</a> | .625-1.310 in. (15.9-33.3) | 30         | 3-Pole 4-Wire        | 125/250V       | Angled Male   | Nylon         | 14-30P      |
| <b>3 Pole 4 Wire - 3 Phase Grounding</b> |                          |                            |            |                      |                |               |               |             |
| HBL8421C                                 | <a href="#">88127774</a> | .390-.775 in. (9.9-19.7)   | 20         | 3-Pole 4-Wire        | 3PH 250V AC    | Angled Male   | Nylon         | 15-20P      |
| HBL8431C                                 | <a href="#">90077896</a> | .625-1.310 in. (15.9-33.3) | 30         | 3-Pole 4-Wire        | 3PH 250V AC    | Straight Male | Nylon         | 15-30P      |
| HBL8451C                                 | <a href="#">90077891</a> | .625-1.310 in. (15.9-33.3) | 50         | 3-Pole 4-Wire        | 3PH 250V AC    | Straight Male | Nylon         | 15-50P      |
| HBL8452C                                 | <a href="#">90077892</a> | .625-1.310 in. (15.9-33.3) | 50         | 3-Pole 4-Wire        | 3PH 250V AC    | Angled Male   | Nylon         | 15-50P      |
| HBL8461C                                 | <a href="#">90077894</a> | .625-1.310 in. (15.9-33.3) | 60         | 3-Pole 4-Wire        | 3PH 250V AC    | Straight Male | Nylon         | 15-60P      |
| HBL8462C                                 | <a href="#">90077889</a> | .625-1.310 in. (15.9-33.3) | 60         | 3-Pole 4-Wire        | 3PH 250V AC    | Angled Male   | Nylon         | 15-60P      |



### Straight Blade Connector Bodies

Hubbell Wiring Device-Kellems



HBL1547



HBL15W47



HBL8219C



H320C



HBL5269C



HBL5669C



HBL5369VY



HBL5469C



HBL5969VY

Traditional Straight Blade configurations offered in a variety of body styles.

| Mfg. No.  | Advanced ID              | Wiring Configuration | Voltage Rating | NEMA Rating | Cord Diameter            | Amp Rating |
|-----------|--------------------------|----------------------|----------------|-------------|--------------------------|------------|
| HBL1547   | <a href="#">88126094</a> | 2-Pole 3-Wire        | 125V           | 5-15R       | .300-.655 in. (7.6-16.6) | 15         |
| HBL15W47* | <a href="#">88126103</a> | 2-Pole 3-Wire        | 125V           | 5-15P       | .300-.655 in. (7.6-16.6) | 15         |
| HBL8219C  | <a href="#">95005456</a> | 2-Pole 3-Wire        | 125V           | 5-15R       | .230-.720in. (5.8-18.3)  | 15         |
| H320C     | <a href="#">88128491</a> | 2-Pole 3-Wire        | 250V           | Non-NEMA    | .325 -.475 in. (8-12)    | 20         |
| HBL5269C  | <a href="#">95005502</a> | 2-Pole 3-Wire        | 125V           | 5-15R       | .230-.720in. (5.8-18.3)  | 15         |
| HBL5669C  | <a href="#">95005489</a> | 2-Pole 3-Wire        | 125V           | 6-15R       | .230-.720in. (5.8-18.3)  | 15         |
| HBL5369VY | <a href="#">88127192</a> | 2-Pole 3-Wire        | 125V           | 5-15R       | .220-.660in. (5.6-16.8)  | 20         |
| HBL5469C  | <a href="#">95003477</a> | 2-Pole 3-Wire        | 250V           | 6-20R       | .230-.720in. (5.8-18.3)  | 20         |
| HBL5969VY | <a href="#">88127309</a> | 2-Pole 3-Wire        | 125V           | 5-15R       | .220-.660in. (5.6-16.8)  | 15         |

\* W = Watertight

C = Nylon VY = Valise

### Straight Blade Plugs and Connectors

Leviton Manufacturing Co.



5269-C



515CV



114



5371



5372

15A and 20A nylon plugs, made to resist impact, punishing application environments, long-lasting reliability.

| Mfg. No.*                                       | Advanced ID              | Wiring Configuration        | Voltage Rating | NEMA Rating | Cord Diameter   | Amp Rating |
|---|--------------------------|-----------------------------|----------------|-------------|-----------------|------------|
| <b>15A 125V 2-Pole, 3-Wire Grounding</b>        |                          |                             |                |             |                 |            |
| 5269-C  | <a href="#">92044549</a> | 2-Pole 3-Wire Grounding     | 125V           | NEMA 5-15R  | 0.245-0.700 in. | 15         |
| 5269-N  | <a href="#">88156697</a> | 2-Pole 3-Wire Grounding     | 125V           | NEMA 5-15R  | 0.245-0.700 in. | 15         |
| 515CR   | <a href="#">95045693</a> | 2-Pole 3-Wire Grounding     | 125V           | NEMA 5-15R  | 0.245-0.700 in. | 15         |
| 515CV   | <a href="#">95077343</a> | 2-Pole 3-Wire Grounding     | 125V           | NEMA 5-15R  | 0.245-0.700 in. | 15         |
| 114   | <a href="#">88155759</a> | 2-Pole 3-Wire Grounding     | 125V           | NEMA 5-15R  | 0.245-0.700 in. | 15         |
| <b>20A 125V 2-Pole, 3-Wire Grounding</b>        |                          |                             |                |             |                 |            |
| 5369-C  | <a href="#">92044901</a> | 2-Pole 3-Wire Grounding     | 125V           | NEMA 5-20R  | 0.245-0.700 in. | 20         |
| <b>30A Flush Mount Receptacles</b>              |                          |                             |                |             |                 |            |
| <b>30A 125V 2-Pole 3-Wire Grounding</b>         |                          |                             |                |             |                 |            |
| 5371  | <a href="#">88156830</a> | 2-Pole 3-Wire Grounding     | 125V AC        | NEMA 5-30 R | Up to 4 Awg     | 30         |
| <b>30A 250V 2-Pole 3-Wire Grounding</b>         |                          |                             |                |             |                 |            |
| 5372  | <a href="#">88156831</a> | 2-Pole 3-Wire Grounding     | 250V AC        | NEMA 6-30R  | Up to 4 Awg     | 30         |
| <b>30A 125/250V 3-Pole 3-Wire Non-Grounding</b> |                          |                             |                |             |                 |            |
| 5207  | <a href="#">88156559</a> | 3-Pole 3-Wire Non-Grounding | 125/250V AC    | NEMA 10-30R | Up to 4 Awg     | 30         |

\* C = Black Nylon Body N = Black 2 piece Nylon Shell CR = Rubber Grounding Connector CV = PVC Grounding Connector

### Straight Blade Inlets

Hubbell Wiring Device-Kellems



HBL5278C



HBL61CM64

Traditional Straight Blade configurations offered in a variety of body styles.

| Mfg. No.  | Advanced ID              | Description  |
|---|--------------------------|--|
| <b>Straight Blade Flanged Inlet, Insulgrip Industrial Grade</b> |                          |  |
| HBL5278C  | <a href="#">95003178</a> | Straight Blade Flanged Inlet, Insulgrip Industrial Grade, 2P3W, 15A 125V, 5-15P, Nylon Casing, Back Wired, White       |
| HBL5378C  | <a href="#">95005494</a> | Straight Blade Flanged Inlet, Insulgrip Industrial Grade, 2P3W, 20A 125V, 5-20P, Nylon Casing, Back Wired, White       |
| <b>Straight Blade Inlet, Weatherproof</b>                       |                          |  |
| HBL61CM64   | <a href="#">88127370</a> | Straight Blade Inlet, 2P3W, 15A 125V, 5-15P, Weatherproof, With Lift Cover and Boot, Multiple Drive Screws, Gray Nylon |

### Locking Device Connector Bodies

Leviton Manufacturing Co.

Locking devices for the entire spectrum of industrial applications.

#### Features

- Uncompromising Industrial-Grade Quality
- Feature Heavy-Duty, Impact-Resistant Construction
- Plugs and Connectors Accept Wide Range of Conductors
- Terminals Clearly Identified on All Devices to Simplify Wiring



| Mfg. No. | Advanced ID              | Cord Diameter   | Amp Rating | Wiring Configuration    | Voltage Rating | NEMA Rating |
|----------|--------------------------|-----------------|------------|-------------------------|----------------|-------------|
| 2313     | <a href="#">92117103</a> | 0.245-0.700 in. | 20         | 2-Pole 3-Wire Grounding | 125V           | L5-20R      |
| 2323     | <a href="#">92117093</a> | 0.245-0.700 in. | 20         | 2-Pole 3-Wire Grounding | 250V           | L6-20R      |
| 2423     | <a href="#">92116909</a> | 0.245-0.700 in. | 20         | 3-Pole 4-Wire Grounding | 250V 3 Ø       | L15-20R     |
| 2613     | <a href="#">92116947</a> | 0.245-0.700 in. | 30         | 2-Pole 3-Wire Grounding | 125V           | L5-30R      |
| C2623    | <a href="#">92116774</a> | 0.245-0.700 in. | 30         | 2-Pole 3-Wire Grounding | 250V           | L6-30R      |
| 2713     | <a href="#">92116903</a> | 0.245-0.700 in. | 30         | 3-Pole 4-Wire Grounding | 125/250V       | L14-30R     |
| 2723     | <a href="#">92116905</a> | 0.245-0.700 in. | 30         | 3-Pole 4-Wire Grounding | 250V 3 Ø       | L15-30R     |

## Twist-Lock Connector Bodies

Hubbell Wiring Device-Kellems



HBL2313



HBL2313SW

Twist-Lock and Hubbellock locking devices provide reliable, safe and rugged connections.

| Mfg. No.*             | Advanced ID              | Cord Diameter            | Amp Rating | Wiring Configuration | Voltage Rating | NEMA Rating |
|-----------------------|--------------------------|--------------------------|------------|----------------------|----------------|-------------|
| HBL7484               | <a href="#">88127538</a> | .300-.430in. (7.6-10.9)  | 15         | 2-Pole 2-Wire        | 125V           | ML-1R       |
| HBL7506C              | <a href="#">96022487</a> | .230-.720in. (5.8-18.3)  | 15         | 2-Pole 2-Wire        | 125V           | L1-15R      |
| HBL7593               | <a href="#">88127630</a> | .281-.421 in. (7.1-10.7) | 15         | 2-Pole 3-Wire        | 125V           | ML-2R       |
| HBL7593V              | <a href="#">88127631</a> | .300-.430in. (7.6-10.9)  | 15         | 2-Pole 3-Wire        | 125V           | ML-2R       |
| HBL7464V              | <a href="#">88127528</a> | .300-.430in. (7.6-10.9)  | 15         | 3-Pole 3-Wire        | 125/250V       | ML-3R       |
| HBL4729C              | <a href="#">95005512</a> | .230-.720 in. (5.8-18.3) | 15         | 2-Pole 3-Wire        | 125V           | L5-15R      |
| HBL4579C              | <a href="#">95005520</a> | .230-.720 in. (5.8-18.3) | 15         | 2-Pole 3-Wire        | 250V           | L6-15R      |
| HBL4779C              | <a href="#">95005508</a> | .230-.720in. (5.8-18.3)  | 15         | 2-Pole 3-Wire        | 277V AC        | L7-15R      |
| HBL25W47              | <a href="#">88126406</a> | .300-.655 in. (7.6-16.6) | 15         | 2-Pole 3-Wire        | 125V           | L5-15R      |
| HBL7101C              | <a href="#">96022488</a> | .220-.720in. (5.6-18.3)  | 20         | 2-Pole 3-Wire        | 250V           | L2-20R      |
| HBL2313               | <a href="#">88126238</a> | .360-.930in. (9-24.0)    | 15         | 2-Pole 3-Wire        | 125V           | L5-20R      |
| HBL2323               | <a href="#">88126251</a> | .360-.930in. (9-24.0)    | 20         | 2-Pole 3-Wire        | 250V           | L6-20R      |
| HBL2333               | <a href="#">88126262</a> | .360-.930 in. (9.0-24.0) | 20         | 2-Pole 3-Wire        | 277V AC        | L7-20R      |
| HBL2343               | <a href="#">88126271</a> | .360-.930in. (9-24.0)    | 20         | 2-Pole 3-Wire        | 480V AC        | L8-20R      |
| HBL2353               | <a href="#">88126277</a> | .360-.930 in. (9.0-24.0) | 20         | 2-Pole 3-Wire        | 600V AC        | L9-20R      |
| HBL2413               | <a href="#">88126294</a> | .35-1.15 in. (9-29.0)    | 20         | 3-Pole 4-Wire        | 125/250V       | L14-20R     |
| HBL2423               | <a href="#">88126302</a> | .35-1.15 in. (9-29.0)    | 20         | 3-Pole 4-Wire        | 3Ø 250V AC     | L15-20R     |
| HBL2433               | <a href="#">88126319</a> | .35-1.15 in. (9-29.0)    | 20         | 3-Pole 4-Wire        | 3Ø 480V AC     | L16-20R     |
| HBL2513               | <a href="#">88126359</a> | .35-1.15 in. (9-29.0)    | 20         | 4-Pole 5-Wire        | 3Ø 120/280V AC | L21-20R     |
| HBL2613               | <a href="#">88126414</a> | .360-.930in. (9-24.0)    | 30         | 2-Pole 3-Wire        | 125V           | L5-30R      |
| HBL2623               | <a href="#">88126431</a> | .360-.930in. (9-24.0)    | 30         | 2-Pole 3-Wire        | 250V           | L6-30R      |
| HBL2713               | <a href="#">88126491</a> | .35-1.15 in. (9-29.0)    | 30         | 3-Pole 4-Wire        | 125/250V       | L14-30R     |
| HBL2723               | <a href="#">88126498</a> | .35-1.15 in. (9-29.0)    | 30         | 3-Pole 4-Wire        | 3Ø 250V AC     | L15-30R     |
| HBL2733               | <a href="#">88126505</a> | .35-1.15 in. (9-29.0)    | 30         | 3-Pole 4-Wire        | 3Ø 480V AC     | L16-30R     |
| HBL2743               | <a href="#">88126512</a> | .35-1.15 in. (9-29.0)    | 30         | 3-Pole 4-Wire        | 3Ø 600V AC     | L17-30R     |
| HBL2813               | <a href="#">88126550</a> | .35-1.15 in. (9-29.0)    | 30         | 4-Pole 5-Wire        | 3Ø 120/208V AC | L21-30R     |
| HBL2823               | <a href="#">88126556</a> | .35-1.15 in. (9-29.0)    | 30         | 4-Pole 5-Wire        | 3Ø 277/480V AC | L22-30R     |
| <b>Wet &amp; Damp</b> |                          |                          |            |                      |                |             |
| HBL2313SW             | <a href="#">95024522</a> | .360-.930 in. (9.0-24.0) | 20         | 2-Pole 3-Wire        | 125V           | L5-20R      |
| HBL2433SW             | <a href="#">95024529</a> | .350-1.15 in. (9.0-29.0) | 20         | 3-Pole 4-Wire        | 3Ø 480V AC     | L16-20R     |
| HBL2733SW             | <a href="#">95024536</a> | .350-1.15 in. (9.0-29.0) | 30         | 3-Pole 4-Wire        | 3Ø 480V AC     | L16-30R     |

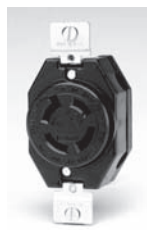
\* V = Valise C = Insulgrip

### Locking Devices 15A and 20A

Leviton Manufacturing Co.



4700



2420

Industrial specification grade locking devices.

#### Benefits

- V-O-MAX™ Locking Receptacles Carry a UL 94 V-O Flammability Rating

#### Features

- Flange Inlets and Outlets are Built to Endure Hard Use
- Rugged Nylon Flanges
- Back and Side Wired

| Mfg. No.                                    | Advanced ID | Voltage Rating | Type   | NEMA Rating | Amp Rating |
|---|-------------|----------------|--------|-------------|------------|
| <b>15A 125V 2-Pole 3-Wire Grounding</b>     |             |                |        |             |            |
| 4700  | 88156425    | 125V           | Duplex | L5-15R      | 15         |
| 4710  | 88156426    | 125V           | Single | L5-15R      | 15         |
| <b>20A 125V 2-Pole 3-Wire Grounding</b>     |             |                |        |             |            |
| 2310  | 92117088    | 125V           | Single | L5-20R      | 20         |
| <b>20A 250V 2-Pole 3-Wire Grounding</b>     |             |                |        |             |            |
| 2320  | 92117082    | 250V           | Single | L6-20R      | 20         |
| 2320-IG*                                    | 92117083    | 250V           | Single | L6-20R      | 20         |
| <b>20A 125/250V 3-Pole 4-Wire Grounding</b> |             |                |        |             |            |
| 2410  | 92116840    | 125/250V       | Single | L14-20R     | 20         |
| <b>20A 3Ø 250V 3-Pole 4-Wire Grounding</b>  |             |                |        |             |            |
| 2420  | 92116842    | 250V           | Single | L14-20R     | 20         |
| <b>20A 3Ø 480V 3-Pole 4-Wire Grounding</b>  |             |                |        |             |            |
| 2430  | 92116844    | 480V           | Single | L16-20R     | 20         |

\*IG = Isolated Ground

### Locking Devices 30A

Leviton Manufacturing Co.



2610



2730

Industrial specification grade locking devices.

#### Benefits

- V-O-MAX™ Locking Receptacles
- Best Rating of Any Material Used in Industrial Locking Flush Receptacles

#### Features

- Heavy-Duty Construction for Top Performance
- Rugged Nylon Flanges

| Mfg. No.                                    | Advanced ID | Voltage Rating | Type   | NEMA Rating | Amp Rating |
|---|-------------|----------------|--------|-------------|------------|
| <b>30A 125V 2-Pole 3-Wire Grounding</b>     |             |                |        |             |            |
| 2610  | 92116835    | 125V           | Single | L5-30R      | 30         |
| 2610-IG*                                    | 92116836    | 125V           | Single | L5-30R      | 30         |
| <b>30A 250V 2-Pole 3-Wire Grounding</b>     |             |                |        |             |            |
| 2620  | 92116837    | 250V           | Single | L6-30R      | 30         |
| <b>30A 125/250V 3-Pole 4-Wire Grounding</b> |             |                |        |             |            |
| 2710  | 92116812    | 125/250V       | Single | L14-30R     | 30         |
| <b>30A 3Ø 250V 3-Pole 4-Wire Grounding</b>  |             |                |        |             |            |
| 2720  | 92116814    | 250V           | Single | L15-30R     | 30         |
| <b>30A 3Ø 480V 3-Pole 4-Wire Grounding</b>  |             |                |        |             |            |
| 2730  | 92116816    | 480V           | Single | L16-30R     | 30         |

\*IG = Isolated Ground

### Twist-Lock Receptacles

Hubbell Wiring Device-Kellems



HBL 2310



HBL2710SW

Hubbell Twist-Lock Receptacles: Voltage color coding on the outside. Proven designs and quality materials on the inside. Satin finish hides fingerprints.

| Mfg. No.  | Advanced ID | Voltage Rating   | Type                  | NEMA Rating | Amp Rating |
|-----------|-------------|------------------|-----------------------|-------------|------------|
| HBL4700   | 88126944    | 125V             | Flush Mount Duplex    | L5-15R      | 15         |
| HBL4700I  | 88126945    | 125V             | Flush Mount Duplex    | L5-15R      | 15         |
| HBL4710   | 88126949    | 125V             | Flush Mount Single    | L5-15R      | 15         |
| HBL4715C  | 95005516    | 125V             | Flanged               | L5-15R      | 15         |
| IG4710    | 88128529    | 125/250V         | Isolated Ground       | L5-15R      | 15         |
| HBL4550   | 88126873    | 250V             | Flush Mount Duplex    | L6-15R      | 15         |
| HBL4560   | 88126882    | 250V             | Flush Mount Single    | L6-15R      | 15         |
| HBL4750   | 88126966    | 277V AC          | Flush Mount Duplex    | L7-15R      | 15         |
| HBL4760   | 88126970    | 277V AC          | Flush Mount Single    | L7-15R      | 15         |
| HBL7468   | 88127532    | 125V             | Flush Mount Single    | ML-1R       | 15         |
| HBL7596†  | 88127636    | 125V             | Flanged               | ML-2R       | 15         |
| HBL7596N* | 88127637    | 125V             | Flanged               | ML-2R       | 15         |
| HBL2410   | 88126290    | 125/250V         | Flush Mount Single    | L14-20R     | 20         |
| IG2710    | 88128517    | 125/250V         | Isolated Ground       | L14-20R     | 20         |
| HBL2420   | 88126300    | 3Ø 250V AC       | Flush Mount Single    | L15-20R     | 20         |
| HBL2430   | 88126306    | 3Ø 480V AC       | Flush Mount Single    | L16-20R     | 20         |
| HBL2510   | 88126356    | 3Ø Y 120/208V AC | Flush Mount Single    | L21-20R     | 20         |
| HBL2310   | 88126233    | 125V             | Flush Mount Single    | L5-20R      | 20         |
| HBL2310SW | 95024520    | 125V             | Watertight Shrouded   | L5-20R      | 20         |
| HBL2316   | 88126244    | 125V             | Flanged               | L5-20R      | 20         |
| HBL2326   | 88126256    | 250V             | Flanged               | L6-20R      | 20         |
| HBL2330   | 88126258    | 277V AC          | Flush Mount Single    | L7-20R      | 20         |
| HBL2340   | 88126269    | 480V AC          | Flush Mount Single    | L8-20R      | 20         |
| IG2310    | 88128493    | 125V             | Isolated Ground       | L5-20R      | 20         |
| HBL2710   | 88126487    | 125/250V         | Flush Mount Single    | L14-30R     | 30         |
| HBL2710SW | 95025251    | 125/250V         | Watertight Shrouded   | L14-30R     | 30         |
| HBL2720   | 88126496    | 3Ø 250V AC       | Flush Mount Single    | L15-30R     | 30         |
| HBL2730   | 88126503    | 3Ø 480V AC       | Flush Mount Single    | L16-30R     | 30         |
| HBL2740   | 88126510    | 3Ø 600V AC       | Flush Mount Single    | L17-30R     | 30         |
| HBL2750   | 88126522    | 3Ø Y 120/208V AC | Flush Mount Single    | L18-20R     | 30         |
| HBL2810   | 88126548    | 3Ø Y 120/208V AC | Flush Mount Single    | L21-20R     | 30         |
| HBL2816   | 88126552    | 3Ø Y 120/208V AC | Flanged               | L21-30R     | 30         |
| HBL2616   | 88126422    | 125V             | Flanged               | L5-20R      | 30         |
| HBL2610   | 88126408    | 125V             | Flush Mount Single    | L5-30R      | 30         |
| IG2610    | 88128513    | 125V             | Isolated Ground       | L5-30R      | 30         |
| HBL2626   | 88126438    | 250V             | Flanged               | L6-20R      | 30         |
| IG2320    | 88128495    | 250V             | Isolated Ground       | L6-20R      | 30         |
| HBL2620   | 88126425    | 250V             | Flush Mount Single    | L6-30R      | 30         |
| HBL26CM10 | 97254535    | 125V             | Flush Mount CM Single | L6-30R      | 30         |
| IG2620    | 88128515    | 250V             | Isolated Ground       | L6-30R      | 30         |

\*Black Nylon Flanged

†Stainless Steel Flanged

### Straight Blade Plugs - Single Phase

Leviton Manufacturing Co.



8215-CAT



5266-C



14W47



113



515PA



931

| Mfg. No.                              | Advanced ID              | Cord Diameter  | Amp Rating | Wiring Configuration | Voltage Rating | Type                          | Material            | NEMA Rating   |
|---------------------------------------|--------------------------|----------------|------------|----------------------|----------------|-------------------------------|---------------------|---------------|
| <b>Hospital Grade</b>                 |                          |                |            |                      |                |                               |                     |               |
| 8215-C                                | <a href="#">92048929</a> | .245 - .70000  | 15         | Single-Phase         | 125V AC        | Straight Blade                | Nylon               | 5-15P         |
| 8215-CAT                              | <a href="#">92044904</a> | .245 - .70000  | 15         | Single-Phase         | 125V AC        | Angle                         | Polycarbonate/Nylon | 5-15P         |
| <b>Industrial Grade</b>               |                          |                |            |                      |                |                               |                     |               |
| 5266-C                                | <a href="#">92044550</a> | .245 - .70000  | 15         | Single-Phase         | 125V AC        | Straight Blade, Black & White | Nylon               | 5-15P         |
| 5266-CA                               | <a href="#">92048928</a> | .245 - .70000  | 15         | Single-Phase         | 125V AC        | Angle                         | Nylon               | 5-15P         |
| 5266-N                                | <a href="#">88156691</a> | .245 - .70000  | 15         | Single-Phase         | 125V AC        | Straight Blade Black          | Nylon               | 5-15P         |
| 5278-C                                | <a href="#">92051043</a> | .245 - .70000  | 15         | Single-Phase         | 125V AC        | Straight Blade, Inlet         | Nylon               | 5-15P         |
| 5666-C                                | <a href="#">92044898</a> | .245 - .70000  | 15         | Single-Phase         | 250V AC        | Straight Blade                | Nylon               | 6-15P         |
| 5366-C                                | <a href="#">92044900</a> | .245 - .70000  | 20         | Single-Phase         | 125V AC        | Straight Blade                | Nylon               | 5-20P         |
| 5466-C                                | <a href="#">92044902</a> | .245 - .70000  | 20         | Single-Phase         | 250V AC        | Straight Blade                | Nylon               | 6-20P         |
| <b>Wetguard™ Straight Blade Plugs</b> |                          |                |            |                      |                |                               |                     |               |
| 14W47                                 | <a href="#">96023972</a> | .240 - .65500  | 15         | Single-Phase         | 125V AC        | Straight Blade, Wetguard      | EPTR/Nylon          | 5-15P         |
| 113                                   | <a href="#">88155757</a> | .396 - .562    | 15         | Single-Phase         | 125V AC        | Straight Blade                | PVC                 | 5-15P         |
| 275-T                                 | <a href="#">89021629</a> | .750 - 1.125   | 30, 50     | Single-Phase         | 125/250V AC    | Angle                         | PVC                 | 14-30P/14-50P |
| 287-T                                 | <a href="#">88156202</a> | .687 - 1.050   | 30, 50     | Single-Phase         | 125/250V AC    | Angle                         | PVC                 | 10-30P/10-50P |
| 515PA                                 | <a href="#">95008651</a> | .245 - .655    | 15         | Single-Phase         | 125V AC        | Straight Blade, Armored       | PVC                 | 5-15P         |
| 515PR                                 | <a href="#">96002403</a> | .245 - .655    | 15         | Single-Phase         | 125V AC        | Straight Blade                | PVC/EPTR            | 5-15P         |
| 515PV                                 | <a href="#">95077344</a> | .245 - .655    | 15         | Single-Phase         | 125V AC        | Straight Blade, Grounding     | PVC                 | 5-15P         |
| 830-T                                 | <a href="#">95015785</a> | .687 - .875    | 30, 50     | Single-Phase         | 125V AC        | Angle                         | PVC                 | TT-30P        |
| 931                                   | <a href="#">88158593</a> | .630 - 1.050   | 30, 50     | Single-Phase         | 250V AC        | Angle                         | PVC                 | 6-30P/6-50P   |
| 9450-P                                | <a href="#">92116795</a> | .625 - 1.37500 | 50         | Single-Phase         | 125/250V AC    | Angle                         | Nylon               | 10-50P        |
| 9452-P                                | <a href="#">92116797</a> | .625 - 1.37500 | 50         | Single-Phase         | 125/250V AC    | Angle                         | Nylon               | 14-50P        |
| 9650-P                                | <a href="#">92116791</a> | .625 - 1.37500 | 50         | Single-Phase         | 250V AC        | Angle                         | Nylon               | 6-50P         |



### Twist-Lock Plugs

Hubbell Wiring Device-Kellems



HBL2311



HBL2311SW

The Hubbell line of Twist-Lock plugs and connectors. Classic integrity, rock-solid construction and innovative safety features ensure dependable user friendly connections. The broadest offering in the industry, Hubbell has the depth and breadth of products you can count on.

| Mfg. No.  | Advanced ID              | Cord Diameter | Amp Rating | Wiring Configuration | Voltage Rating | NEMA Rating |
|---|--------------------------|---------------|------------|----------------------|----------------|-------------|
| <b>Indoor Unless Protected by Weatherproofing Means</b> |                          |               |            |                      |                |             |
| HBL2311   | <a href="#">88126234</a> | .360-.930 in. | 20         | 2-Pole 3-Wire        | 125V           | L5-20P      |
| HBL2321   | <a href="#">88126247</a> | .360-.930 in. | 20         | 2-Pole 3-Wire        | 250V           | L6-20P      |
| HBL2331   | <a href="#">88126259</a> | .360-.930 in. | 20         | 2-Pole 3-Wire        | 277V AC        | L7-20P      |
| HBL2341   | <a href="#">88126270</a> | .360-.930 in. | 20         | 2-Pole 3-Wire        | 480V AC        | L8-20P      |
| HBL2411   | <a href="#">88126291</a> | .35-1.15 in.  | 20         | 3-Pole 4-Wire        | 125/250V       | L14-20P     |
| HBL2421   | <a href="#">88126301</a> | .35-1.15 in.  | 20         | 3-Pole 4-Wire        | 3Ø 250V AC     | L15-20P     |
| HBL2431   | <a href="#">88126314</a> | .35-1.15 in.  | 20         | 3-Pole 4-Wire        | 3Ø 480V AC     | L16-20P     |
| HBL2441   | <a href="#">88126329</a> | .35-1.15 in.  | 20         | 4-Pole 4-Wire        | 3Ø 120/208V AC | L18-20P     |
| HBL2511   | <a href="#">88126357</a> | .35-1.15 in.  | 20         | 4-Pole 5-Wire        | 3Ø 120/208V AC | L21-20P     |
| HBL2521   | <a href="#">88126365</a> | .35-1.15 in.  | 20         | 4-Pole 5-Wire        | 3Ø 277/480V AC | L22-20P     |
| HBL2611   | <a href="#">88126409</a> | .35-1.15 in.  | 30         | 2-Pole 3-Wire        | 125V           | L5-30P      |
| HBL2621   | <a href="#">88126426</a> | .360-.930 in. | 30         | 2-Pole 3-Wire        | 250V           | L6-30P      |
| HBL2631   | <a href="#">88126442</a> | .360-.930 in. | 30         | 2-Pole 3-Wire        | 277V AC        | L7-30P      |
| HBL2641   | <a href="#">88126454</a> | .360-.930 in. | 30         | 2-Pole 3-Wire        | 480V AC        | L8-30P      |
| HBL2711   | <a href="#">88126488</a> | .35-1.15 in.  | 30         | 3-Pole 4-Wire        | 125/250V       | L14-30P     |
| HBL2721   | <a href="#">88126497</a> | .35-1.15 in.  | 30         | 3-Pole 4-Wire        | 3Ø 250V AC     | L15-30P     |
| HBL2731   | <a href="#">88126504</a> | .35-1.15 in.  | 30         | 3-Pole 4-Wire        | 3Ø 480V AC     | L16-30P     |
| HBL2741   | <a href="#">88126511</a> | .35-1.15 in.  | 30         | 3-Pole 4-Wire        | 3Ø 600V AC     | L17-30P     |
| HBL2751   | <a href="#">88126523</a> | .35-1.15 in.  | 30         | 4-Pole 4-Wire        | 3Ø 120/208V AC | L18-30P     |
| HBL2761   | <a href="#">88126529</a> | .35-1.15 in.  | 30         | 4-Pole 4-Wire        | 3Ø 277/480V AC | L19-30P     |
| HBL2811   | <a href="#">88126549</a> | .35-1.15 in.  | 30         | 4-Pole 5-Wire        | 3Ø 120/208V AC | L21-30P     |
| HBL2821   | <a href="#">88126555</a> | .35-1.15 in.  | 30         | 4-Pole 5-Wire        | 3Ø 277/480V AC | L22-30P     |
| HBL4570C  | <a href="#">95005522</a> | .230-.720 in. | 15         | 2-Pole 3-Wire        | 250V           | L6-15P      |
| HBL4720C  | <a href="#">95005515</a> | .230-.720 in. | 15         | 2-Pole 3-Wire        | 125V           | L5-15P      |
| HBL4770C  | <a href="#">95005509</a> | .230-.720 in. | 15         | 2-Pole 3-Wire        | 277V AC        | L7-15P      |
| HBL7102C  | <a href="#">96022489</a> | .220-.720 in. | 20         | 2-Pole 2-Wire        | 250V           | L2-20P      |
| HBL7465V  | <a href="#">88127529</a> | .330-.430 in. | 15         | 3-Pole 3-Wire        | 125/250V       | ML-3P       |
| HBL7545C  | <a href="#">96022484</a> | .230-.720 in. | 15         | 2-Pole 2-Wire        | 125V           | L1-15P      |
| HBL7594   | <a href="#">88127632</a> | .281-.421 in. | 15         | 2-Pole 3-Wire        | 125V           | ML-3P       |
| HBL7594V*   | <a href="#">88127633</a> | .300-.430 in. | 15         | 2-Pole 3-Wire        | 125V           | ML-3P       |
| <b>Wet &amp; Damp</b>                                   |                          |               |            |                      |                |             |
| HBL2311SW   | <a href="#">95024521</a> | .360-.930 in. | 20         | 2-Pole 3-Wire        | 125V           | L5-20P      |
| HBL24W47  | <a href="#">88126354</a> | .300-.655 in. | 15         | 2-Pole 3-Wire        | 125V           | L5-15P      |
| HBL2731SW   | <a href="#">95024536</a> | .35-1.15 in.  | 30         | 3-Pole 4-Wire        | 3Ø 480V AC     | L16-30P     |

\* Valise Plug

### Twist-Lock Connector Bodies, Non-NEMA

Hubbell Wiring Device-Kellems



HBL26418



CS6364C



HBL3333C & HBL7565C

| Mfg. No.*                  | Advanced ID     | Cord Diameter               | Amp Rating | Wiring Configuration | Voltage Rating | Material  |
|----------------------------|-----------------|-----------------------------|------------|----------------------|----------------|---|
| <b>Hubbelllock Devices</b> |                 |                             |            |                      |                |   |
| HBL26418                   | <b>88126456</b> | .92-1.45 (23.36-36.83) in.  | 60         | 3-Pole 4-Wire        | 600V AC        | Phenolic Interior, Steel Shell, Thermoplastic Sleeve            |
| <b>Twist-Lock</b>          |                 |                             |            |                      |                |   |
| CS6360C                    | <b>88128231</b> | .830-1.1 (21.08-28.19) in.  | 50         | 2-Pole 3-Wire        | 125V           | Nylon Housing, Reinforced Thermoplastic Polyester Interior      |
| CS6364C                    | <b>88128235</b> | .830-1.1 (21.08-28.19) in.  | 50         | 3-Pole 4-Wire        | 125/250V       | Nylon Housing, Reinforced Thermoplastic Polyester Interior      |
| CS8164C                    | <b>88128253</b> | .830-1.1 (21.08-28.19) in.  | 50         | 3-Pole 4-Wire        | 3Ø 480V AC     | Nylon Housing, Reinforced Thermoplastic Polyester Interior      |
| CS8264C                    | <b>88128259</b> | .830-1.1 (21.08-28.19) in.  | 50         | 2-Pole 3-Wire        | 250V           | Nylon Housing, Reinforced Thermoplastic Polyester Interior      |
| CS8364C                    | <b>88128265</b> | .830-1.1 (21.08-28.19) in.  | 50         | 3-Pole 4-Wire        | 3Ø 250V AC     | Nylon Housing, Reinforced Thermoplastic Polyester Interior      |
| CS8464C                    | <b>88128271</b> | .830-1.1 (21.08-28.19) in.  | 50         | 2-Pole 3-Wire        | 480V AC        | Nylon Housing, Reinforced Thermoplastic Polyester Interior      |
| HBL3333C                   | <b>88126696</b> | .360-.930 (9-24) in.        | 30         | 3-Pole 3-Wire        | 125/250V       | Black & White Nylon   |
| HBL3764C                   | <b>88126769</b> | .830-1.1 (21.08-28.19) in.  | 50         | 3-Pole 4-Wire        | 600V AC/250VDC | Nylon Housing, Reinforced Thermoplastic Polyester Interior      |
| HBL7314C                   | <b>88127454</b> | .360-.930 (9-24) in.        | 20         | 3-Pole 3-Wire        | 125/250V       | Black & White Nylon   |
| HBL7413C                   | <b>88127500</b> | .35-1.15 (9-29) in.         | 20         | 4-Pole 4-Wire        | 3Ø 120/208V AC | Black & White Nylon   |
| HBL7565C                   | <b>95005462</b> | .230-.720 (5.8-18.3) in.    | 10/15      | 3-Pole 3-Wire        | 250V/125V      | Black & White Nylon   |
| HBL7764C                   | <b>88127663</b> | .920-1.20 (23.36-30.48) in. | 50         | 3-Pole 4-Wire        | 600V AC/250VDC | Nylon Housing, Reinforced Thermoplastic Polyester Interior      |
| HBL63CM64                  | <b>88127377</b> | .437-1.140 (11.1-29.0) in.  | 50         | 3-Pole 4-Wire        | 125/250V       | Marine Version, Thermoset Interior, Nickel Plated Brass Housing |

\*CS = California Configurations

### Twist-Lock and Hubbellock Receptacles - Non-NEMA

Hubbell Wiring Device-Kellems



HBL20403



HBL26410



HBL3769



HBL3771



HBL63CM69

Hubbell Twist-Lock Receptacles: Voltage color coding on the outside. Proven designs and quality materials on the inside.

| Mfg. No.                                       | Advanced ID              | Description  |
|--|--------------------------|--|
| <b>Hubbellock Receptacle, Industrial Grade</b> |                          |  |
| HBL20403                                       | <a href="#">88126112</a> | 3P4W, 30A 600V AC/ 20A 250VDC, Black Phenolic  |
| HBL26410                                       | <a href="#">88126455</a> | 3P4W, 60A 600V AC, Black Phenolic Interior With Short Aluminum Housing and Liftcover |
| <b>Twist-Lock Receptacle</b>                   |                          |  |
| HBL3769  | <a href="#">88126774</a> | 50A 250VDC 600V AC, 3P4W, Black Melamine   |
| HBL3771  | <a href="#">88126776</a> | 50A 250VDC 600V AC, 2P3W, Black Melamine   |
| <b>Marine-Ship-To-Store Receptacle</b>         |                          |  |
| HBL63CM69                                      | <a href="#">88127379</a> | 3P4W, 50A 125/250V, Has Heat Resistant Thermoset Base, IP20 Suitability              |

### Twist-Lock Flanged Inlets

Hubbell Wiring Device-Kellems



HBL2315



HBL2715



HBL2715SW

Twist-Lock and Hubbellock locking devices provide reliable, safe and rugged connections.

| Mfg. No.  | Advanced ID              | Amp Rating | Voltage Rating | Wiring Configuration | Material                      | Brand or Series          | NEMA Rating |
|-----------|--------------------------|------------|----------------|----------------------|-------------------------------|--------------------------|-------------|
| HBL4716C  | <a href="#">95005518</a> | 15         | 125V           | 2-Pole 3-Wire        | White, Nylon                  | Insulgrip                | L5-15P      |
| HBL2315   | <a href="#">88126242</a> | 20         | 125V           | 2-Pole 3-Wire        | White, Nylon                  | Insulgrip                | L5-20P      |
| HBL2325   | <a href="#">88126254</a> | 20         | 250V           | 2-Pole 3-Wire        | White, Nylon                  | Insulgrip                | L6-20P      |
| HBL2415   | <a href="#">88126297</a> | 20         | 125/250V       | 3-Pole 4-Wire        | White, Nylon                  | Insulgrip                | L14-20P     |
| HBL2425   | <a href="#">88126303</a> | 20         | 3Ø 250V AC     | 3-Pole 4-Wire        | White, Nylon                  | Insulgrip                | L15-20P     |
| HBL2435   | <a href="#">88126320</a> | 20         | 3Ø 480V AC     | 3-Pole 4-Wire        | White, Nylon                  | Insulgrip                | L16-20P     |
| HBL2615   | <a href="#">88126419</a> | 30         | 125V           | 2-Pole 3-Wire        | White, Nylon                  | Insulgrip                | L5-30P      |
| HBL2625   | <a href="#">88126435</a> | 30         | 250V           | 2-Pole 3-Wire        | White, Nylon                  | Insulgrip                | L6-30P      |
| HBL2715   | <a href="#">88126493</a> | 30         | 125/250V       | 3-Pole 4-Wire        | White, Nylon                  | Insulgrip                | L14-30P     |
| HBL2715SW | <a href="#">95025249</a> | 30         | 125/250V       | 3-Pole 4-Wire        | Gray, Thermoplastic Polyester | Watertight Safety-Shroud | L14-30P     |
| HBL2725   | <a href="#">88126499</a> | 30         | 3Ø 250V AC     | 3-Pole 4-Wire        | White, Nylon                  | Insulgrip                | L15-30P     |

### Twist-Lock and Hubbellock Plugs - Non-NEMA

Hubbell Wiring Device-Kellems



CS6365C



HBL23014HGB



HBL20445B

| Mfg. No.                        | Advanced ID              | Cord Diameter                | Amp Rating | Voltage Rating  | Wiring Configuration |
|---------------------------------|--------------------------|------------------------------|------------|-----------------|----------------------|
| <b>California Configuration</b> |                          |                              |            |                 |                      |
| CS6361C                         | <a href="#">88128233</a> | .830-1.10 in. (21.08-28.19)  | 50         | 125V            | 2-Pole 3-Wire        |
| CS6365C                         | <a href="#">88128238</a> | .920-1.20 in. (23.681-30.48) | 50         | 125/250V        | 3-Pole 4-Wire        |
| CS8165C                         | <a href="#">88128255</a> | .920-1.20 in. (23.681-30.48) | 50         | 3Ø 480V AC      | 3-Pole 4-Wire        |
| CS8265C                         | <a href="#">88128261</a> | .830-1.10 in. (21.08-28.19)  | 50         | 250V            | 2-Pole 3-Wire        |
| CS8365C                         | <a href="#">88128267</a> | .920-1.20 in. (23.681-30.48) | 50         | 3Ø 250V AC      | 3-Pole 4-Wire        |
| CS8465                          | <a href="#">88128273</a> | .830-1.10 in. (21.08-28.19)  | 50         | 480V AC         | 2-Pole 3-Wire        |
| <b>Marine Products</b>          |                          |                              |            |                 |                      |
| HBL63CM65                       | <a href="#">88127378</a> | .437-1.140 in. (11.1-29.0)   | 50         | 125/250V        | 3-Pole 4-Wire        |
| <b>Hospital Products</b>        |                          |                              |            |                 |                      |
| HBL23014HGB                     | <a href="#">91033536</a> | .300-.650 in. (7.6-16.5)     | 20         | 125V            | 2-Pole 3-Wire        |
| <b>Hubbellock</b>               |                          |                              |            |                 |                      |
| HBL20445B                       | <a href="#">88126130</a> | .70-1.20 in. (17.78-30.5)    | 30         | 480V AC         | 3-Pole 4-Wire        |
| HBL21414B                       | <a href="#">88126146</a> | .70-1.20 in. (17.78-30.5)    | 30         | 600V AC/250V DC | 3-Pole 4-Wire        |
| HBL26419                        | <a href="#">88126457</a> | .92-1.45 in. (23.36-36.83)   | 60         | 600V AC         | 3-Pole 4-Wire        |
| HBL26519                        | <a href="#">88126471</a> | 1.00-1.50 in. (25.4-38.10)   | 60         | 600V AC         | 4-Pole 5-Wire        |
| <b>Twist-Lock</b>               |                          |                              |            |                 |                      |
| HBL3331C                        | <a href="#">88126693</a> | .360-.930 in. (9-24)         | 30         | 125/250V        | 3-Pole 3-Wire        |
| HBL3431C                        | <a href="#">88126715</a> | .35-1.15 in. (9-29)          | 30         | 3Ø 120/208V AC  | 4-Pole 4-Wire        |
| HBL3763C                        | <a href="#">88126767</a> | .830-1.10 in. (21.08-28.19)  | 50         | 600V AC/250V DC | 2-Pole 3-Wire        |
| HBL3765C                        | <a href="#">88126771</a> | .920-1.20 in. (23.681-30.48) | 50         | 600V AC/250V DC | 3-Pole 4-Wire        |
| HBL7411C                        | <a href="#">88127498</a> | .35-1.15 in. (9-29)          | 20         | 3Ø 120/208V AC  | 4-Pole 4-Wire        |
| HBL7567C                        | <a href="#">95005461</a> | .230-.720 in. (5.8-18.3)     | 15         | 250V AC/125V AC | 3-Pole 3-Wire        |
| HBL7765C                        | <a href="#">88127665</a> | .920-1.20 in. (23.681-30.48) | 50         | 600V AC/250V DC | 3-Pole 4-Wire        |
| HBL9965C                        | <a href="#">88128013</a> | .360-.930 in. (9-24)         | 20         | 125/250V        | 3-Pole 3-Wire        |

### Straight Blade Plug Accessories

Hubbell Wiring Device-Kellems



HBL6017



HBL6018

Hubbell Weatherproofing Seal-Tite Triple Seal Boots provide an IP55 suitability rating when installed and used properly with plug and connector body combinations.

| Mfg. No. | Advanced ID              | Description  |
|----------|--------------------------|--|
| HBL6017  | <a href="#">88127310</a> | Seal-Tite Triple Seal, Black Elastomer Cover for InsulgrIP Plugs (HBL5266C Style), When Used in a Cord Set, and Connector Body (HBL5269C Style), When Used With Flanged Inlets |
| HBL6018  | <a href="#">88127311</a> | Seal-Tite Triple Seal, Black Elastomer Cover for InsulgrIP Connector Bodies (HBL5269C Style), When Used With Flanged Inlets  |

### Twist-Lock Plug Accessories

Hubbell Wiring Device-Kellems



Hubbell Weatherproofing Seal-Tite Triple Seal Boots provide an IP55 suitability rating when installed and used properly with plug and connector body combinations.

| Mfg. No. | Advanced ID     | Type       | For Use With                               |
|----------|-----------------|------------|--|
| HBL6023  | <b>88127315</b> | Short Boot | 15A 2 & 3-Wire Plugs and Connectors        |
| HBL6024  | <b>88127316</b> | Long Boot  | 15A 2 & 3-Wire Plugs and Connectors        |
| HBL6031  | <b>97274299</b> | Short Boot | 20 & 30A 3-Wire Plugs and Connectors       |
| HBL6032  | <b>97274300</b> | Long Boot  | 20 & 30A 3-Wire Plugs and Connectors       |
| HBL6035  | <b>97274301</b> | Short Boot | 20 & 30A 4 and 5-Wire Plugs and Connectors |
| HBL6036  | <b>97274302</b> | Long Boot  | 20 & 30A 4 and 5-Wire Plugs and Connectors |
| HBL7716C | <b>88127658</b> | Short Boot | 50A Plugs                                  |
| HBL7717C | <b>88127660</b> | Long Boot  | 50A Connectors                             |

### Locking Device Accessories

Hubbell Wiring Device-Kellems



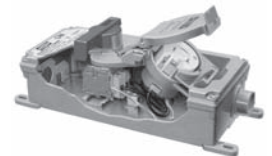
Accessories for Hubbell's locking series of devices.

| Mfg. No. | Advanced ID     | Description  |
|----------|-----------------|--|
| HBL20405 | <b>88126113</b> | Weatherproof Cover For HBL20403, Cast Aluminum   |
| HBL26401 | <b>88126451</b> | Hubbelock Back Box, 4.50 in. Square, Fits All Industrial 60A Hubbellock, Cast Aluminum |

### Switched Enclosure

Hubbell Wiring Device-Kellems

This unit is a complete enclosure ready to accept any 20 or 30A watertight Safety-Shroud Twist-Lock receptacle.



| Mfg. No. | Advanced ID     | Description   |
|----------|-----------------|---|
| HBLMITL  | <b>95024519</b> | Twist-Lock Circuit-Lock Mechanical Interlock, Accommodates 20A or 30A Watertight Safety Shroud Twist-Lock Receptacles, Furnished with 3/4 in. NPT Hub |

### Watertite and Super-Safeway Wiring Devices

Woodhead

Watertite plugs and connectors that set the standard for the roughest, wettest and most abrasive environments. Super-Safeway devices are designed to resist abuses associated with industrial work sites.



| NEMA Configuration                 | Description  | Watertite Plug Mfg / Advanced ID | Watertite Connector Mfg / Advanced ID | Rubber Plug Mfg / Advanced ID | Rubber Connector Mfg / Advanced ID |
|------------------------------------|--------------|----------------------------------|---------------------------------------|-------------------------------|------------------------------------|
| <b>Straight Blade, Three-Wire:</b> |              |                                  |                                       |                               |                                    |
| 5-15                               | 15A, 125V    | 14W47 / <b>88280881</b>          | 15W47 / <b>88280942</b>               | 1447 / <b>88280824</b>        | 1547 / <b>88280914</b>             |
| 5-20                               | 20A, 125V    | 14W33 / <b>88280866</b>          | 15W33 / <b>88280939</b>               | 1433 / <b>88280808</b>        | 1533 / <b>88280908</b>             |
| 6-20                               | 20A, 250V    | 14W48 / <b>88280889</b>          | 15W48 / <b>88280944</b>               | 1448 / <b>88280832</b>        | 1548 / <b>88280916</b>             |
| <b>Turnex Locking, Three-Wire:</b> |              |                                  |                                       |                               |                                    |
| L5-15                              | 15A, 125V    | 24W47 / <b>88281177</b>          | 25W47 / <b>88281202</b>               | 2447 / <b>88281148</b>        | 2547 / <b>88281190</b>             |
| L5-20                              | 20A, 125V    | 26W47 / <b>88281294</b>          | 27W47 / <b>88281436</b>               | 2647 / <b>88281226</b>        | 2747 / <b>88281379</b>             |
| <b>Turnex Locking, Four-Wire:</b>  |              |                                  |                                       |                               |                                    |
| L15-20                             | 20A, 30/250V | 26W75 / <b>88281322</b>          | 27W75 / <b>88281440</b>               | 2675 / <b>88281254</b>        | 2775 / <b>88281401</b>             |
| L16-20                             | 20A, 30/480V | 26W76 / <b>88281329</b>          | 27W76 / <b>88281441</b>               | 2676 / <b>88281261</b>        | 2776 / <b>88281402</b>             |

### Fan Speed Controls

Lutron Electronics



Diva



Skylark

Lutron offers fan speed controls that coordinate with wallbox product families.

#### Benefits

- Complimentary to Wallbox Products

#### Features

- Preset Fan Controls
- Quiet Fan Controls for Use with Single Paddle Fan
- Fully Variable Controls for Use with One or More Ceiling Paddle Fans or Exhaust Fans

| Mfg. No.                       | Advanced ID              | Description  |
|--------------------------------|--------------------------|--|
| <b>Diva - Speed Control</b>    |                          |  |
| DVFSQ-F-IV                     | <a href="#">93154142</a> | Preset, 1.5A, Ivory, 1-Pole, 3-Way                     |
| DVFSQ-F-WH                     | <a href="#">93154137</a> | Preset, 1.5A, White, 1-Pole, 3-Way                     |
| <b>Skylark</b>                 |                          |  |
| <b>Speed and Light Control</b> |                          |  |
| S2-LF-IV                       | <a href="#">90058483</a> | Preset, 2.5A/300W, Ivory, 1-Pole                       |
| S2-LF-WH                       | <a href="#">88163725</a> | Preset, 2.5A/300W, White, 1-Pole                       |
| S2-LFSQ-IV                     | <a href="#">92050286</a> | Preset, 1.5A/300W, Ivory, 1-Pole, 3-Speed              |
| S2-LFSQ-WH                     | <a href="#">92048904</a> | Preset, 1.5A/300W, White, 1-Pole, 3-Speed              |
| <b>Speed Control</b>           |                          |  |
| SFSQ-F-IV                      | <a href="#">92047325</a> | Control, Fan Speed, Preset, 1.5A, Ivory, 1-Pole, 3-Way |
| SFSQ-F-WH                      | <a href="#">92047324</a> | Control, Fan Speed, Preset, 1.5A, White, 1-Pole, 3-Way |

### Quiet Step Fan Speed Controls

Leviton Manufacturing Co.



6629-PW



6630-W

SureSlide™ Decora Full Range Fan Speed Controls are ideal for libraries, study rooms and any area where ceiling fan noise could become distracting.

| Mfg. No. | Advanced ID              | Description  |
|----------|--------------------------|--|
| 6627-PW  | <a href="#">88311505</a> | Control, Fan Speed, Slide Full Range, 5A, White, Single-Pole, Preset On/Off        |
| 6629-PW  | <a href="#">95018157</a> | Control, Fan Speed, Slide Step, 1.5A, White, Single-Pole                           |
| 6630-W   | <a href="#">95028296</a> | Control, Dimmer, Incandescent, 300W, Slide On/Off, White, Single-Gang, Single-Pole |



### Circuit Guard® GFCI Portable Devices

Hubbell Wiring Device-Kellems



GFHW13115



GFP515A



GFP1301

Portable GFCI products provide ground fault protection both indoors and out. They interrupt electrical power for equipment loads when leakage to ground is 4-6mA. Meets 2003 UL943 requirements.

| Mfg. No.   | Advanced ID | Amp Rating | Brand or Series | Features  | Type                                    | Voltage Rating |
|--|-------------|------------|-----------------|---|---|----------------|
| <b>Hard Wired</b>                                      |             |            |                 |   |   |                |
| GFHW13005  | 99940146    | 30         | -               | No Alarm, Manual Set  | High Ampacity                           | 120V AC        |
| GFHW13015  | 99918591    | 30         | -               | Audible Alarm, Manual Set   | High Ampacity                           | 120V AC        |
| GFHW13105  | 99940149    | 30         | -               | No Alarm, Automatic Set   | High Ampacity                           | 120V AC        |
| GFHW13115  | 99940153    | 30         | -               | Audible Alarm, Automatic Set  | High Ampacity                           | 120V AC        |
| <b>Multiple Outlet Portable GFCI &amp; GFCI Module</b> |             |            |                 |   |   |                |
| GFP15M   | 98366100    | 15         | -               | Manual Set, Indicator Light Indicates Fault                         | Multiple 4 Outlet                       | 120V AC        |
| GFM20  | 97206041    | 20         | Industrial      | Indicator Light Indicates Fault, Manual Set                         | Portable Module                         | 120V AC        |
| <b>Portable GFCI Line Cords</b>                        |             |            |                 |   |   |                |
| GFP2CA   | 22057437    | 15         | Commercial      | Automatic Set, Visual Fault Indication<br>Light On: Indicates Fault | 2 ft. Cord, Portable GFCI Single Outlet | 120V AC        |
| GFP2CM   | 22057438    | 15         | Commercial      | Manual Set, Visual Fault Indication<br>Light On: Indicates Fault    | 2 ft. Cord, Portable GFCI Single Outlet | 120V AC        |
| GFP2TTA  | 22057441    | 15         | Commercial      | Automatic Set, Visual Fault Indication<br>Light On: Indicates Fault | 2 ft. Cord, Portable GFCI Triple Tap    | 120V AC        |
| GFP2TTM  | 22057406    | 15         | Commercial      | Manual Set, Visual Fault Indication<br>Light On: Indicates Fault    | 2 ft. Cord, Portable GFCI Triple Tap    | 120V AC        |
| GFP3C20M   | 96041288    | 20         | Industrial      | Manual Set, Visual Fault Indication<br>Light On: Indicates Fault    | 3 ft. GFCI Line Cord                    | 120V AC        |
| GFP4C15A   | 92138873    | 15         | Industrial      | Automatic Set, Visual Fault Indication<br>Light On: Indicates Fault | 18 in. GFCI Line Cord                   | 120V AC        |
| GFP4C15M   | 93164401    | 15         | Industrial      | Manual Set, Visual Fault Indication<br>Light On: Indicates Fault    | 18 in. GFCI Line Cord                   | 120V AC        |
| GFP6C15A   | 92138872    | 15         | Industrial      | Automatic Set, Visual Fault Indication<br>Light On: Indicates Fault | 6 ft. GFCI Line Cord                    | 120V AC        |
| GFP6C15M   | 93164402    | 15         | Industrial      | Manual Set, Visual Fault Indication<br>Light On: Indicates Fault    | 6 ft. GFCI Line Cord                    | 120V AC        |
| GFP15LA  | 22057443    | 15         | Commercial      | Automatic Set, Visual Fault Indication<br>Light On: Indicates Fault | OEM Equipment Integrated Cord Set       | 120V AC        |
| GFP15LM  | 22057444    | 15         | Commercial      | Manual Set, Visual Fault Indication<br>Light On: Indicates Fault    | OEM Equipment Integrated Cord Set       | 120V AC        |
| GFP25C15A  | 92138870    | 15         | Industrial      | Automatic Set, Visual Fault Indication<br>Light On: Indicates Fault | 25 ft. GFCI Line Cord                   | 120V AC        |
| GFP25C15M  | 93164403    | 15         | Industrial      | Manual Set, Visual Fault Indication<br>Light On: Indicates Fault    | 25 ft. GFCI Line Cord                   | 120V AC        |
| GFP25TTA   | 22057407    | 15         | Commercial      | Automatic Set, Visual Fault Indication<br>Light On: Indicates Fault | 25 ft. Cord, Portable GFCI Triple Tap   | 120V AC        |
| GFP25TTM   | 22057442    | 15         | Commercial      | Manual Set, Visual Fault Indication<br>Light On: Indicates Fault    | 25 ft. Cord, Portable GFCI Triple Tap   | 120V AC        |
| <b>Wired-On GFCI Plug</b>                              |             |            |                 |   |   |                |
| GFP515A  | 22057434    | 15         | Commercial      | Field Wireable, Automatic Set                                       | Wired-On GFCI Plug                      | 120V AC        |
| GFP5266C   | 96094956    | 15         | Industrial      | Manual Set, Wired On  | Black GFCI Plug                         | 120V AC        |
| GFP5266CY  | 96094830    | 15         | Industrial      | Manual Set, Wired On  | Yellow GFCI Plug                        | 120V AC        |
| GFP515M  | 22057436    | 15         | Commercial      | Field Wireable, Manual Set  | Wired-On GFCI Plug                      | 120V AC        |
| <b>Portable 30A GFCI</b>                               |             |            |                 |   |   |                |
| GFP1301  | 99918589    | 30         | -               | 2 ft. Cord, Manual Set  | High Ampacity Portable                  | 120V AC        |
| GFP1302  | 99945215    | 30         | -               | 25 ft. Cord, Manual Set   | High Ampacity Portable                  | 120V AC        |
| GFP1311  | 99945209    | 30         | -               | 2 ft. Cord, Automatic Set   | High Ampacity Portable                  | 120V AC        |
| GFP1312  | 99945217    | 30         | -               | 25 ft. Cord, Automatic Set  | High Ampacity Portable                  | 120V AC        |

### Computer Grade Plug Strips

Leviton Manufacturing Co.

#### Benefits

- Excellent Surge Suppression & EMI/RFI Noise Attenuation for Micro-Processor-Driven Electronic Equipment

#### Features

- Built-In Overload Circuit-Breaker with Reset Button
- Indicator Lights Confirm Unit is Operating & Properly Grounded
- Clamping Voltage: 330V All Modes
- Three Stage Protection: Hot-To-Neutral, Hot-To-Ground, Neutral-To-Ground
- Made of Thermoplastic
- Commercial Specification Grade, Voltage Rating 125V AC, Current Rating 15A



| Mfg. No. | Advanced ID     | Description                  | Number of Outlets | Color |
|----------|-----------------|------------------------------|-------------------|-------|
| 4950-PS  | <b>96066381</b> | Strip                        | 7                 | Beige |
| 4950-PST | <b>96066382</b> | Strip w/Two RJ11 Phone Jacks | 7                 | Beige |

### Metal Multi-Outlet Devices

Intermatic, Inc.



IG11266



IG20615



IG20B12



IG2086

Industrial Point of Use Protection designed for moderate to high impact conditions. Multiple outlet configurations satisfy a wide variety of applications. UL 1449, 2nd edition, cULus.

#### Benefits

- Provides Protection for Electronic and Electrical Equipment
- Designed for Moderate To High Impact Conditions
- Multiple Outlet Configurations Satisfy a Wide Variety of Applications

#### Features

- Protection Monitoring Circuitry and LED Light Indicator
- 3-Mode Surge Protection (L-N, L-G, N-G)
- 15A Resettable Circuit Breaker
- 14 Gauge SJT Power Cord with Molded Plug
- Ivory Metal Housing

| Mfg. No.  | Advanced ID     | Number of Outlets | Material          | Cord Length | Dimensions                 | Color |
|-----------|-----------------|-------------------|-------------------|-------------|----------------------------|-------|
| IG11266   | <b>90005200</b> | 6                 | Metal Surge Strip | 6 ft.       | 12.59H x 2.10W x 1.57D in. | Ivory |
| IG2066    | <b>90057016</b> | 6                 | Metal Surge Strip | 6 ft.       | 15.78H x 2.10W x 1.57D in. | Ivory |
| IG20615   | <b>90057018</b> | 6                 | Metal Surge Strip | 15 ft.      | 15.78H x 2.10W x 1.57D in. | Ivory |
| IG20B12   | <b>90057037</b> | 6                 | Metal Surge Strip | 6 ft.       | 15.78H x 2.10W x 1.57D in. | Ivory |
| IG2012B15 | <b>90057038</b> | 6                 | Metal Surge Strip | 15 ft.      | 15.78H x 2.10W x 1.57D in. | Ivory |
| IG2086    | <b>90057017</b> | 8                 | Metal Surge Strip | 6 ft.       | 18.84H x 2.10W x 1.57D in. | Ivory |

### Surge Suppression Strips

Hubbell Wiring Device-Kellems

The SpikeShield line of surge protection products offer a broad selection of products to meet the various requirements of industrial, commercial and institutional applications.



| Mfg. No.   | Advanced ID              | Number of Outlets | Material | Cord Length | Dimensions           | Color |
|------------|--------------------------|-------------------|----------|-------------|----------------------|-------|
| HBL6PS100* | <a href="#">99654745</a> | 6                 | ABS      | 3 ft.       | 11.6 x 1.7 x 2.4 in. | White |
| HBL6PS370† | <a href="#">22050809</a> | 6                 | ABS      | 6 ft.       | 11.6 x 1.7 x 2.4 in. | White |
| HBL7PS900‡ | <a href="#">22050811</a> | 7                 | ABS      | 6 ft.       | 14.4 x 1.7 x 2.4 in. | White |

\* No LED surge status; Plug strip with surge protection

† LED surge status; Plug strip with surge protection

‡ LED surge status; Plug strip with filtering surge protection

### Wiremold Power and Data Quality Systems

Wiremold



M6BZ



PR609



PXD329



SR10



R5BZ

Computer grade point of use and rack mount surge protection units.

| Mfg. No.  | Advanced ID              | Number of Outlets            | Material | Cord Length | Dimensions | Color  |
|---|--------------------------|------------------------------|----------|-------------|------------|--------|
| <b>Sentrex Surge Protectors (Actual Clamping Level: 280V)</b> |                          |                              |          |             |            |        |
| M6BZ  | <a href="#">89020721</a> | 6                            | Metal    | 6           | -          | Bronze |
| M6S   | <a href="#">89020710</a> | 6                            | Metal    | 6           | -          | White  |
| <b>Perma Power Surge Protectors</b>                           |                          |                              |          |             |            |        |
| PR609   | <a href="#">95006761</a> | 6                            | Plastic  | Wall Mtd.   | -          | Ivory  |
| PR610   | <a href="#">95006681</a> | 6                            | Plastic  | 6           | -          | Ivory  |
| PXD329  | <a href="#">96054908</a> | 3 Outlets<br>& 2 Phone Jacks | Metal    | Wall Mtd.   | -          | Ivory  |
| SR10  | <a href="#">95006765</a> | 6                            | Metal    | 6           | -          | White  |
| SRD10   | <a href="#">95006766</a> | 6 Outlets<br>& 1 Phone Jack  | Metal    | 6           | -          | White  |
| <b>Rack Mount Sentrex Surge Protectors</b>                    |                          |                              |          |             |            |        |
| R5BZ  | <a href="#">90004523</a> | 1                            | Metal    | 6           | -          | Bronze |
| R5BZ-15   | <a href="#">90004511</a> | 1                            | Metal    | 15          | -          | Bronze |

### Plug Strips

Leviton Manufacturing Co.

6-Outlet Plug Strip w/6 ft. Power Cord.

#### Features

- Green LED Monitor Light Indicates that Protection is Active
- Equipped with a 6-foot 14-3 AWG Power Cord
- Lighted ON/OFF Master Switch
- Resettable Circuit Breaker Overload Protection
- Commercial Specification Grade Voltage Rating 125V AC Current Rating 15A



| Mfg. No.                        | Advanced ID              | Description  | Number of Outlets | Color |
|---------------------------------|--------------------------|--|-------------------|-------|
| <b>Plug Strips</b>              |                          |  |                   |       |
| 4800-PS                         | <a href="#">92126815</a> | Power Bars, 6 ft. Power Cord   | 6                 | Beige |
| 4800-S15                        | <a href="#">95077397</a> | Power Bars, 15 ft. Power Cord  | 6                 | Beige |
| 5300-PS                         | <a href="#">88311272</a> | Thermoplastic Housing, w/Switch, w/6 ft. Cord. 15A-120V AC. Industrial Grade.                  | 6                 | Beige |
| 5300-HTS                        | <a href="#">22111196</a> | Surge Strip with Hospital Grade Components, 6 ft. Cord, No Switch 15A-120V AC, Metal Housing   | 6                 | Beige |
| <b>General Purpose Plug-Ins</b> |                          |  |                   |       |
| 3500-P                          | <a href="#">94001816</a> | Power Bars, Power and Circuit Monitor Lights UL 1449 (All Modes) 400V, 15A Voltage Rating 120V | 6                 | Beige |

### Plug-In Outlet Centers

Wiremold



J Series



P6 Series



UL207 Series

Plug-In Outlet Center® units provide power distribution in a portable, plug-in unit.

| Mfg. No. | Advanced ID              | Description                                   | Number of Outlets | Color |
|----------|--------------------------|---|-------------------|-------|
| 7011ULBC | <a href="#">95006698</a> | CabinetMATE, 6 ft. Cord                       | 11                | Gray  |
| J06B2B   | <a href="#">96077612</a> | Rack Mount, 15 ft. Cord; 15A, 6 rear outlets  | 6                 | Black |
| J60B2B   | <a href="#">90004527</a> | Rack Mount, 15 ft. Cord; 15A, 6 front outlets | 6                 | Black |
| P6       | <a href="#">89020695</a> | Compact, 6 ft. Cord                           | 6                 | Ivory |
| P6-15    | <a href="#">89020696</a> | Compact, 15 ft. Cord                          | 6                 | Ivory |
| UL2064BC | <a href="#">94065727</a> | Industrial, 6 ft. Cord                        | 12                | Gray  |
| UL207BC  | <a href="#">89020717</a> | Compact, 6 ft. Cord                           | 12                | Gray  |
| UL207BD  | <a href="#">89020718</a> | Compact, 15 ft. Cord                          | 12                | Gray  |
| UL401BD  | <a href="#">89020727</a> | Industrial, 15 ft. Cord                       | 8                 | Gray  |
| ULM6-15  | <a href="#">25046604</a> | Medical / Dental Grade                        | 6                 | White |
| R610     | <a href="#">95009278</a> | Compact, 6 ft. Cord                           | 6                 | White |

### Residential Hardwired Surge Protection (TVSS)

Intermatic, Inc.



IG1240RC



IG3240RC

#### Benefits

- Hardwired Models Provide Greater Capability to Handle Surge Energy (based on their close location to the service ground) Compared to Standard Plug-In Strips

#### Features

- Designed for 120/240V Single or Split-Phase Panels
- Dual LED Indicator(s) Provides Surge Protection Status
- 4 Lead Wires

| Mfg. No.  | Advanced ID              | Voltage Rating           | Model Compatibility |
|---|--------------------------|--------------------------|---------------------|
| <b>Nema 4 Plastic Housing (5.65H x 4.18W x 3.33D in.)</b> |                          |                          |                     |
| IG1240RC  | <a href="#">93170418</a> | 120/240V AC Single Phase | AC Power Only       |
| <b>Nema 4 Metal Housing (6.28H x 4.4W x 3.25D in.)</b>    |                          |                          |                     |
| IG3240RC  | <a href="#">22124412</a> | 120/240V AC Single Phase | AC Power Only       |

### Residential Hardwired Protection

Intermatic, Inc.



IG1300-2T-1C



IG1300-4T-2C

PanelGuard residential models are offered which protect against transients on the incoming power, phone and coax lines. Residential Hardwired Protection. Designed for 120/240 VAC single or split-phase panels.

#### Benefits

- Provides Protection for Electronic and Electrical Equipment
- Increases Uptime and Productivity
- Residential Models Offer Connected Equipment Downstream Warranty

#### Features

- Dual LED Indicator(s) Provides Surge Protection Status on AC
- 5 Year Product Warranty
- UL 1449 Listed, 2nd Edition and UL497A Listed
- NEMA 3R Raintight Closure For Indoor and Outdoor Installations
- Models with Protection for 2 Phones and 1 Coax Line or 4 Phones and Coax Lines

| Mfg. No.     | Advanced ID              | Voltage Rating          | Model Compatibility  |
|--------------|--------------------------|-------------------------|--|
| IG1300-2T-1C | <a href="#">22044377</a> | 120/240VAC Single Phase | AC Power, 2 Phone, 1 Coax Cables (DSL, Cable Internet, Satellite TV) |
| IG1300-4T-2C | <a href="#">22044379</a> | 120/240VAC Single Phase | AC Power, 4 Phone, 2 Coax Cables (DSL, Cable Internet, Satellite TV) |

### Surge Suppression System EH/LH Series

Intermatic, Inc.

Commercial/Industrial Hardwired surge devices are used to protect electronics.

#### Benefits

- Provides Protection for Electronic and Electrical Equipment
- Increases Uptime and Productivity

#### Features

- Three Phase Wye
- UL 1449 Clamping Voltage
- Lead Wire: 30 in. of #10 AWG
- 10 Year Product Warranty



| Mfg. No.  | Advanced ID              | Voltage Rating | Surge Energy Rating | Surge Current Per Phase | Surge Current Per Mode |
|-----------|--------------------------|----------------|---------------------|-------------------------|------------------------|
| IG2083LYH | <a href="#">93170413</a> | 120/208VAC Wye | 1,900 Joules        | 26 kA                   | 13 kA                  |
| IG2083YEH | <a href="#">90057034</a> | 120/208VAC Wye | 3,800 Joules        | 54 kA                   | 26 kA                  |
| IG4803LYH | <a href="#">93170415</a> | 277/480VAC Wye | 4,400 Joules        | 26 kA                   | 13 kA                  |
| IG4803YEH | <a href="#">90057036</a> | 277/480VAC Wye | 8,800 Joules        | 54 kA                   | 26 kA                  |

### Surge Suppression System PG5000 /4000 Series

Intermatic, Inc.

#### Benefits

- Provides Protection for Electronic and Electrical Equipment
- Increases Uptime and Productivity

#### Features

- Three Phase Wye
- UL 1449 Clamping Voltage
- Integral Surge Counter and Disconnect
- Installation Lugs except #10 to #2 AWG
- All Mode Protection (L-N, L-G, N-G, L-L)
- 10 Year Product Warranty



| Mfg. No.      | Advanced ID              | Voltage Rating | Surge Energy Rating | Surge Current Per Phase | Surge Current Per Mode |
|---------------|--------------------------|----------------|---------------------|-------------------------|------------------------|
| PG4001-208-3Y | <a href="#">22045769</a> | 120/208VAC Wye | 6,930 Joules        | 250 kA                  | 125 kA                 |
| PG4001-480-3Y | <a href="#">22045771</a> | 277/480VAC Wye | 13,440 Joules       | 250 kA                  | 125 kA                 |
| PG5001-208-3Y | <a href="#">22045783</a> | 120/208VAC Wye | 11,550 Joules       | 400 kA                  | 200 kA                 |
| PG5001-480-3Y | <a href="#">22045785</a> | 277/480VAC Wye | 22,400 Joules       | 400 kA                  | 200 kA                 |



**Circuit Breakers**

|                              |             |
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## Homeline® Load Centers Indoor Single-Phase

Square D®

120/240V AC - UL Listed. Listings below thru 200 Amp mains rating meet Federal Specification W P-115c as Type 1, Class 2.

All Load Centers include Box, Interior, Cover and Door unless noted. Order HOM, HOMT, HOMGFI and HOMAFI Circuit Breakers separately.

### Main Lug

| Main Amp Rating  | Spaces | Max. No. Single Pole Cir. * | Max. No. Tandem Cir. | Mfg. No.†          | Advanced ID | Indoor Cover With Door (Order Separately) ‡ | Main Wire Size         | Equipment Ground Bar Kit (Order Separately) |
|--|--------|-----------------------------|----------------------|--------------------|-------------|---|------------------------|---|
| <b>Fixed Mains - Factory-Installed Main Lugs - 10,000 RMS Sym. Amperes Short Circuit Current Rating</b>                      |        |                             |                      |                    |             |   |                        |   |
| 70   | 2      | 4                           | 2                    | HOM24L70F/S ‡ **   | -           | -   | #12-3 Al, #14-4 Cu     | PK3GTA1                                     |
| 100  | 6      | 12                          | 6                    | HOM612L100F/S ‡ †† | -           | -   | #8-1 Al, #8-1 Cu       | PK7GTA                                      |
| 125  | 4      | 8                           | 4                    | HOM48L125GC        | 99539570    | -   | #12-2/0 Al, #14-2/0 Cu | PK7GTA ○                                    |
| <b>Convertible Mains - Factory-Installed Main Lugs - QOM1 Main Frame Size-Convertible to 22,000 AIR Main Circuit Breaker</b> |        |                             |                      |                    |             |   |                        |   |
| 125  | 8      | 16                          | 8                    | HOM816L125C        | 95033716    | -   | #6-2/0 Al/Cu           | PK15GTA                                     |
| 125  | 8      | 16                          | 8                    | HOM816L125TC       | 95032047    | -   | #6-2/0 Al/Cu           | Factory-installed                           |
| 125  | 12     | 12                          | 0                    | HOM12L125C         | 95005152    | -   | #6-2/0 Al/Cu           | PK15GTA                                     |
| 125  | 12     | 24                          | 12                   | HOM1224L125TC      | 89086846    | -   | #6-2/0 Al/Cu           | Factory-installed                           |
| 125  | 16     | 24                          | 8                    | HOM1624L125C       | 95033720    | -   | #6-2/0 Al/Cu           | PK15GTA                                     |
| 125  | 20     | 20                          | 0                    | HOM20L125C         | 88313812    | -   | #6-2/0 Al/Cu           | PK15GTA                                     |
| 125  | 20     | 24                          | 4                    | HOM2024L125TC      | 90095351    | -   | #6-2/0 Al/Cu           | Factory-installed                           |
| 125  | 24     | 24                          | 0                    | HOM24L125TC        | 92039587    | -   | #6-2/0 Al/Cu           | Factory-installed                           |
| <b>Convertible Mains - Factory-Installed Main Lugs - QOM2 Main Frame Size-Convertible to 22,000 AIR Main Circuit Breaker</b> |        |                             |                      |                    |             |   |                        |   |
| 150  | 30     | 30                          | 0                    | HOM30L150C         | 95033719    | -   | #6-250 Al/Cu           | PK23GTA                                     |
| 200  | 16     | 32                          | 16                   | HOM1632L200TC      | 97179892    | -   | #6-250 Al/Cu           | Factory-installed                           |
| 200  | 16     | 32                          | 16                   | HOM1632L200TCFT ●  | 22091404    | -   | #6-250 Al/Cu           | Factory-installed                           |
| 200  | 20     | 40                          | 20                   | HOM2040L200TC      | 98311920    | -   | #6-250 Al/Cu           | Factory-installed                           |
| 200  | 30     | 30                          | 0                    | HOM30L200C         | 88313810    | -   | #6-250 Al/Cu           | PK23GTA                                     |
| 200  | 30     | 30                          | 0                    | HOM30L200TC        | 99859215    | -   | #6-250 Al/Cu           | Factory-installed                           |
| 200  | 30     | 40                          | 10                   | HOM3040L200TC      | 92037291    | -   | #6-250 Al/Cu           | Factory-installed                           |
| 200  | 40     | 40                          | 0                    | HOM40L200C         | 88313845    | -   | #6-250 Al/Cu           | PK23GTA                                     |
| 225  | 42     | 42                          | 0                    | HOM42L225C         | 95033718    | -   | #6-250 Al/Cu           | PK23GTA                                     |

### Main Breaker Class 1170

Convertible Mains - Factory-Installed Main Circuit Breaker - 22,000 RMS Sym. Amperes Short Circuit Current Rating. Convertible to Main Lugs (See Load Centers - Accessories) or Lower Amperage Main Circuit Breaker.

#### QOM1 Main Circuit Breaker Frame Size

|     |    |    |    |               |          |                |              |                   |
|-----|----|----|----|---------------|----------|----------------|--------------|-------------------|
| 100 | 8  | 16 | 8  | HOM816M100C   | 88313843 | Cover Included | #6-1 Al/Cu   | PK15GTA           |
| 100 | 8  | 16 | 8  | HOM816M100TC  | 89003728 | Cover Included | #6-1 Al/Cu   | Factory-installed |
| 100 | 12 | 12 | 0  | HOM12M100C    | 88313841 | Cover Included | #4-2/0 Al/Cu | PK15GTA           |
| 100 | 12 | 24 | 12 | HOM1224M100TC | 89003729 | Cover Included | #4-2/0 Al/Cu | Factory-installed |
| 100 | 20 | 20 | 0  | HOM20M100C    | 88313839 | Cover Included | #4-2/0 Al/Cu | PK15GTA           |
| 100 | 24 | 24 | 0  | HOM24M100C    | 93148583 | Cover Included | #4-2/0 Al/Cu | PK15GTA           |
| 100 | 30 | 30 | 0  | HOM30M100C    | 99659909 | Cover Included | #4-2/0 Al/Cu | PK23GTA           |
| 125 | 12 | 24 | 12 | HOM1224M125C  | 89003744 | Cover Included | #4-2/0 Al/Cu | PK15GTA           |
| 125 | 12 | 24 | 12 | HOM1224M125TC | 88313831 | Cover Included | #4-2/0 Al/Cu | Factory-installed |
| 125 | 24 | 24 | 0  | HOM24M125C    | 89003751 | Cover Included | #4-2/0 Al/Cu | PK15GTA           |
| 125 | 30 | 30 | 0  | HOM30M125C    | 22091421 | Cover Included | #4-2/0 Al/Cu | PK23GTA           |

#### QOM2 Main Circuit Breaker Frame Size

|     |    |    |    |               |          |                |              |                   |
|-----|----|----|----|---------------|----------|----------------|--------------|-------------------|
| 150 | 16 | 32 | 16 | HOM1632M150TC | 89003747 | Cover Included | #4-250 Al/Cu | Factory-installed |
| 150 | 20 | 30 | 10 | HOM2030M150TC | 95042579 | Cover Included | #4-250 Al/Cu | Factory-installed |
| 150 | 30 | 30 | 0  | HOM30M150C    | 88313837 | Cover Included | #4-250 Al/Cu | PK23GTA           |
| 200 | 12 | 24 | 12 | HOM1224M200TC | 89003745 | Cover Included | #4-250 Al/Cu | Factory-installed |
| 200 | 16 | 32 | 16 | HOM1632M200TC | 89003748 | Cover Included | #4-250 Al/Cu | Factory-installed |
| 200 | 20 | 40 | 20 | HOM2040M200C  | 89003752 | Cover Included | #4-250 Al/Cu | PK23GTA           |
| 200 | 20 | 40 | 20 | HOM2040M200TC | 89003749 | Cover Included | #4-250 Al/Cu | Factory-installed |
| 200 | 30 | 30 | 0  | HOM30M200C    | 88313835 | Cover Included | #4-250 Al/Cu | PK23GTA           |
| 200 | 30 | 40 | 10 | HOM3040M200TC | 88313829 | Cover Included | #4-250 Al/Cu | Factory-installed |
| 200 | 40 | 40 | 0  | HOM40M200C    | 88313833 | Cover Included | #4-250 Al/Cu | PK23GTA           |
| 200 | 42 | 42 | 0  | HOM42M200C    | 99839521 | Cover Included | #4-250 Al/Cu | PK23GTA           |
| 225 | 42 | 42 | 0  | HOM42M225C    | 95042581 | Cover Included | #4-250 Al/Cu | PK23GTA           |

\* Max. number of single-pole branch circuits utilizing HOM and/or HOMT circuit breakers.

† C at end of catalog number indicates combination flush/surface cover included with device.

‡ F/S at end of catalog number indicates to order F for flush device or S for surface device. The cover does not have a door.

\*\* HOM-GFI branch circuit breaker is limited to number 10 max. wire.  
● Supplied with feed-thru lugs.

†† 70A max. back feed main circuit breaker.  
○ Factory-included.

### Homeline® Load Center Rainproof Single-Phase Main Lug

Square D®

120/240V AC - UL listed. Listings below thru 200 Amp mains rating meet Federal Specification W P-115c as Type 1, Class 2. Order HOM, HOMT, HOMGFI and HOMAFI circuit breakers separately. All load centers include box, interior, cover and door unless noted.

| Main Amp Rating   | Spaces | Max. No. Single Pole Cir. * | Max. No. Tandem Cir. | Mfg. No.      | Advanced ID     | Indoor Cover With Door (Order Separately) ‡ | Main Wire Size         | Equipment Ground Bar Kit (Order Separately) |
|---|--------|-----------------------------|----------------------|---------------|-----------------|---|------------------------|---|
| <b>Fixed Mains - Factory-Installed Main Lugs - 10,000 RMS Sym. Amperes Short Circuit Current Rating</b> |        |                             |                      |               |                 |   |                        |   |
| 70  | 2      | 4                           | 2                    | HOM24L70RB †  | <b>88313854</b> | Included                                    | #12-3 Al, #14-4 Cu     | PK4GTA                                      |
| 100   | 6      | 12                          | 6                    | HOM612L100RB  | <b>88313851</b> | Included                                    | #8-1 Al/Cu             | PK7GTA                                      |
| 125   | 4      | 8                           | 4                    | HOM48L125GRB  | <b>99538713</b> | Included                                    | #12-2/0 Al, #14-2/0 Cu | PK7GTA●                                     |
| <b>Convertible Mains - Factory-Installed Main Lugs ‡</b>  |        |                             |                      |               |                 |   |                        |   |
| <b>QOM1 Main Frame Size-Convertible to 22,000 AIR Main Circuit Breaker</b>                              |        |                             |                      |               |                 |   |                        |   |
| 125   | 8      | 16                          | 8                    | HOM816L125RB  | <b>95032048</b> | Included                                    | #6-2/0 Al/Cu           | PK15GTA                                     |
| 125   | 12     | 12                          | 0                    | HOM12L125RB   | <b>95033717</b> | Included                                    | #6-2/0 Al/Cu           | PK15GTA                                     |
| 125   | 12     | 24                          | 12                   | HOM1224L125RB | <b>97116346</b> | Included                                    | #6-2/0 Al/Cu           | PK15GTA                                     |
| 125   | 20     | 20                          | 0                    | HOM20L125RB   | <b>88313811</b> | Included                                    | #6-2/0 Al/Cu           | PK15GTA                                     |
| <b>Convertible Mains - Factory-Installed Main Lugs ‡</b>  |        |                             |                      |               |                 |   |                        |   |
| <b>QOM2 Main Frame Size-Convertible to 22,000 AIR Main Circuit Breaker</b>                              |        |                             |                      |               |                 |   |                        |   |
| 200   | 12     | 12                          | 0                    | HOM12L200RB   | <b>89003754</b> | Included                                    | #6-250 Al/Cu           | PK23GTA                                     |
| 200   | 20     | 40                          | 20                   | HOM2040L200RB | <b>22081034</b> | Included                                    | #6-250 Al/Cu           | PK23GTA                                     |
| 200   | 30     | 30                          | 0                    | HOM30L200RB   | <b>88313846</b> | Included                                    | #6-250 Al/Cu           | PK23GTA                                     |
| 200   | 40     | 40                          | 0                    | HOM40L200RB   | <b>88313844</b> | Included                                    | #6-250 Al/Cu           | PK23GTA                                     |

### Main Breaker Class 1170

Convertible Mains - Factory-Installed Main Circuit Breaker - 22,000 RMS Sym. Amperes Short Circuit Current Rating. Convertible to Main Lugs (See Load Centers - Accessories) or Lower Amperage Main Circuit Breaker. ‡\*\*

|  |    |    |    |                |                 |          |              |           |
|--|----|----|----|----------------|-----------------|----------|--------------|-----------|
| <b>QOM1 Main Circuit Breaker Frame Size</b>          |    |    |    |                |                 |          |              |           |
| 100  | 8  | 16 | 8  | HOM816M100RB   | <b>88313842</b> | Included | #4-2/0 Al/Cu | PK15GTA   |
| 100  | 12 | 12 | 0  | HOM12M100RB    | <b>88313840</b> | Included | #4-2/0 Al/Cu | PK15GTA   |
| 100  | 20 | 20 | 0  | HOM20M100RB    | <b>88313838</b> | Included | #4-2/0 Al/Cu | PK15GTA   |
| 125  | 24 | 24 | 0  | HOM24M125RB    | <b>92123630</b> | Included | #4-2/0 Al/Cu | PK15GTA   |
| <b>QOM2 Main Circuit Breaker Frame Size</b>          |    |    |    |                |                 |          |              |           |
| 150  | 30 | 30 | 0  | HOM30M150RB    | <b>88313836</b> | Included | #4-250 Al/Cu | PK23GTA   |
| 200  | 20 | 40 | 20 | HOM2040M200RB  | <b>95032687</b> | Included | #4-250 Al/Cu | PK23GTA   |
| 200  | 30 | 30 | 0  | HOM30M200RB    | <b>88313834</b> | Included | #4-250 Al/Cu | PK23GTA   |
| 200  | 30 | 40 | 10 | HOM3040M200RB  | <b>97216701</b> | Included | #4-250 Al/Cu | PK23GTA   |
| 200  | 40 | 40 | 0  | HOM40M200RB    | <b>88313832</b> | Included | #4-250 Al/Cu | PK23GTA   |
| 225  | 16 | 24 | 8  | HOM1624M225RB  | <b>22091432</b> | Included | #4-250 Al/Cu | PK15GTA   |
| 225  | 42 | 42 | 0  | HOM42M225RB    | <b>99497142</b> | Included | #4-250 Al/Cu | PK23GTA   |
| <b>QOM2 Main Circuit Breaker with Feed-Thru Lugs</b> |    |    |    |                |                 |          |              |           |
| 150  | 8  | 16 | 8  | HOM816M150FTRB | <b>89003727</b> | Included | #4-250 Al/Cu | PK15GTA-L |
| 200††  | 8  | 16 | 8  | HOM816M200FTRB | <b>88313828</b> | Included | #4-250 Al/Cu | PK15GTA-L |

\* Maximum number of single-pole branch circuits utilizing HOM and/or HOMT circuit breakers.

† HOM-GFI branch circuit breaker is limited to number 10 maximum wire.

‡ Side hinge door device allow 1 1/4 in. on left side for door to open.

\*\* 22,000 AIR main circuit breaker UL Listed for use ahead of HOM and HOMT 10,000 AIR branch circuit breakers to permit their application on systems with up to 22,000 A available fault current.

†† Rated 200A when using copper wire. Reference NEC® Table 310.15(B)(6) when using Al wire.

● Factory - included.

**Homeline® Load Center Value Pack**  
**Indoor and Rainproof Single-Phase**  
**Main Breaker**  
**Class 1130, 1170**

Square D®

Single-phase, 3 wire - 120/240V AC - UL listed - convertible mains - factory-installed main circuit breaker. Complete load center (box, interior and cover) and selected branch circuit breakers. Listings below thru 200 A mains rating meet Federal Specification W-P-115c as Type 1, Class 2.

| Main Amp Rating                       | Spaces | Max. No. Single Pole Cir.* | Max. No. Tandem Cir. | Mfg. No.   | Advanced ID              | Indoor Cover With Door (Order Separately) | Main Wire Size | Equipment Ground Bar Kit (Order Separately) |
|---------------------------------------|--------|----------------------------|----------------------|------------|--------------------------|---|----------------|---|
| <b>Indoor Main Circuit Breaker</b>    |        |                            |                      |            |                          |   |                |   |
| 100                                   | 20     | 20                         | 0                    | HOMVP4 †   | <a href="#">99449734</a> | Included                                  | #4-2/0 Al/Cu   | PK15GTA                                     |
| 100                                   | 20     | 20                         | 0                    | HOMVP5 ‡   | <a href="#">99449730</a> | Included                                  | #4-2/0 Al/Cu   | PK15GTA                                     |
| 150                                   | 30     | 30                         | 0                    | HOMVP12 ** | <a href="#">22048921</a> | Included                                  | #4-250 Al/Cu   | PK23GTA                                     |
| 200                                   | 30     | 40                         | 10                   | HOMVP1 ●   | <a href="#">97209239</a> | Included                                  | #4-250 Al/Cu   | Included                                    |
| 200                                   | 30     | 40                         | 10                   | HOMVP2 ○   | <a href="#">97209240</a> | Included                                  | #4-250 Al/Cu   | Included                                    |
| 200                                   | 30     | 40                         | 10                   | HOMVP9 ■   | <a href="#">99449731</a> | Included                                  | #4-250 Al/Cu   | Included                                    |
| 200                                   | 30     | 40                         | 10                   | HOMVP14 □  | <a href="#">99456870</a> | Included                                  | #4-250 Al/Cu   | Included                                    |
| 200                                   | 40     | 40                         | 0                    | HOMVP15 ▲  | <a href="#">22091411</a> | Included                                  | #4-250 Al/Cu   | PK23GTA                                     |
| <b>Rainproof Main Circuit Breaker</b> |        |                            |                      |            |                          |   |                |   |
| 200                                   | 20     | 40                         | 20                   | HOMVPRB1 ▼ | <a href="#">22073389</a> | Included                                  | #4-250 Al/Cu   | PK23GTA                                     |

\* Maximum number of single-pole branch circuits utilizing QO and/or QOT circuit breakers

† Includes (1) HOM20M100C and (5) HOM115

‡ Includes (1) HOM20M100C and (5) HOM120

\*\* Includes (1) HOM30M150C and (5) HOM120 and (1) HOM230

● Includes (1) HOM3040M200TC and (5) HOM120 and (1) HOM230

○ Includes (1) HOM3040M200TC and (5) HOM115 and (1) HOM230

■ Includes (1) HOM3040M200TC and (6) HOM115 and (6) HOM120 and (1) HOM230 and (1) HOM250

□ Includes (1) HOM3040M200TC and (12) HOM120 and (1) HOM230 and (1) HOM250

▲ Includes (1) HOM40M200C and (10) HOM120

▼ Includes (1) HOM2040M200RB and (6) HOM115 and (6) HOM120 and (1) HOM230 and (1) HOM250

### Homeline® Load Center Accessories

Square D®

| Mfg. No.                                       | Advanced ID     | Description  |
|--|-----------------|--|
| <b>Handle Padlock Attachments</b>              |                 |  |
| QOM1PA   | <b>88243250</b> | For padlocking main circuit breakers in convertible load centers, "OFF", 50-125A, QOM1 Frame Size  |
| QOM2PA   | <b>88243251</b> | For padlocking main circuit breakers in convertible load centers, "OFF", 100-225A, QOM2 Frame Size   |
| <b>Filler Plates</b>                           |                 |  |
| HOMFP  | <b>88313824</b> | Fills opening in covers if twistout is removed in error  |
| QOM1FP   | <b>88243260</b> | Fills main circuit breaker opening in convertible load center covers, 100-125A   |
| QOM2FP   | <b>88243271</b> | Fills main circuit breaker opening in convertible load center covers, 150-225A   |
| <b>Neutral Lugs</b>                            |                 |  |
| LK70AN   | <b>90076594</b> | Field-installed for #12 to 2 Al or #14 to 2 Al or #14 to 4 Cu wire   |
| LK100AN  | <b>90059666</b> | Field-installed for #6 to 2/0 Al/Cu wire   |
| LK125AN  | <b>99945056</b> | Field-installed for #14 to 2/0 Al/Cu wire  |
| LK225AN  | <b>22071059</b> | Field-installed for #4 to 300 kcmil Al/Cu wire. Use in Series S, 150-225 A QO or HOM load center   |
| <b>Retaining Kit</b>                           |                 |  |
| HOM1RK   | <b>88313818</b> | Secures circuit breaker to interior when used as a back-fed main. For HOM612L100F/S, RB and HOM48L125GC, GRB load centers.   |
| HOM4RK2LA                                      | <b>99419679</b> | Secures one circuit breaker right side of interior when used as a back-fed main. For 100-125A convertible main load centers, Series S01 and S02  |
| HOM4RK2HA                                      | <b>99419680</b> | Secures one circuit breaker right side of interior when used as a back-fed main. For 150-225A convertible main load centers, Series S01 and S02  |
| HOM5RK   | <b>22091485</b> | Secures circuit breaker to interior when used as a back-fed main for 2-pole 150-200A circuit breakers.   |
| <b>Lock Kit</b>                                |                 |  |
| PK6FL  | <b>88242153</b> | Use with convertible mains, 1Ø and 3Ø 100-225 A, and fixed mains, 3Ø 125-225 A indoor load centers. Use with convertible indoor load center covers (Series S-1)  |
| <b>Generator Circuit Breaker Interlock Kit</b> |                 |  |
| HOMCGK2  | <b>22058695</b> | For use on 'S' Series NEMA 1 and "S1" Series NEMA 3R load centers. Interlocks a QOM2 2-pole main circuit breaker of a load center (150-225 A) with a Homeline 2-pole (15-125A) branch circuit breaker. |
| HOMRBGK2                                       | <b>22066645</b> | For use on 'S2' Series NEMA 3R load centers. Interlocks a QOM2 2-pole main cir. breaker of a load center (150-225A) with a Homeline 2-pole (15-125A) branch cir. breaker.                              |

### Homeline® - HOM

Square D®



HOM 1-Pole, 1 space required



HOM 2-Pole, 2 spaces required



HOM2200BB Branch Breaker, 4 spaces required

The Square D Homeline circuit breakers are in a 1-inch wide format for 1-pole circuit breakers. They are designed to plug into Homeline load centers that are available from 4 to 42 circuits. The Square D exclusive Qwik-Open mechanism, with a trip reaction within 1/60th of a second, is standard on all 15A and 20A circuit breakers.

| Amp Rating  | Number of Poles | Mfg. No.      | Advanced ID     | Main Wire Size |
|---|-----------------|---------------|-----------------|----------------|
| <b>HOM - 10,000 Amperes RMS-UL Listed Interrupting Rating - 120/240V AC</b> |                 |               |                 |                |
| 15  | 1               | HOM115 * †    | <b>88313877</b> | #14-8 Al/Cu**  |
| 20  | 1               | HOM120 * †    | <b>88313876</b> | #14-8 Al/Cu**  |
| 25  | 1               | HOM125 †      | <b>90064099</b> | #14-8 Al/Cu**  |
| 30  | 1               | HOM130 †      | <b>88313875</b> | #14-8 Al/Cu**  |
| 40  | 1               | HOM140 †      | <b>88313874</b> | #8-2 Al/Cu     |
| 50  | 1               | HOM150 †      | <b>88313873</b> | #8-2 Al/Cu     |
| 15  | 2               | HOM215 †      | <b>88313872</b> | #14-8 Al/Cu**  |
| 20  | 2               | HOM220 †      | <b>88313871</b> | #14-8 Al/Cu**  |
| 25  | 2               | HOM225 †      | <b>89003742</b> | #14-8 Al/Cu**  |
| 30  | 2               | HOM230 †      | <b>88313870</b> | #14-8 Al/Cu**  |
| 35  | 2               | HOM235 †      | <b>89003743</b> | #8-2 Al/Cu     |
| 40  | 2               | HOM240 †      | <b>88313869</b> | #8-2 Al/Cu     |
| 45  | 2               | HOM245 †      | <b>89003741</b> | #8-2 Al/Cu     |
| 50  | 2               | HOM250 †      | <b>88313868</b> | #8-2 Al/Cu     |
| 60  | 2               | HOM260 †      | <b>88313867</b> | #8-2 Al/Cu     |
| 70  | 2               | HOM270 †      | <b>88313866</b> | #8-2 Al/Cu     |
| 80  | 2               | HOM280 †      | <b>88313865</b> | #4-2/0 Al/Cu   |
| 90  | 2               | HOM290 †      | <b>88313864</b> | #4-2/0 Al/Cu   |
| 100   | 2               | HOM2100 †     | <b>88313863</b> | #4-2/0 Al/Cu   |
| 110   | 2               | HOM2110 †     | <b>92125168</b> | #4-2/0 Al/Cu   |
| 125   | 2               | HOM2125 †     | <b>88313862</b> | #4-2/0 Al/Cu   |
| 150   | 2               | HOM2150BB † ‡ | <b>22071048</b> | #4-300 Al/Cu   |
| 175   | 2               | HOM2175BB † ‡ | <b>22071049</b> | #4-300 Al/Cu   |
| 200   | 2               | HOM2200BB † ‡ | <b>22069845</b> | #4-300 Al/Cu   |

\* UL Listed as SWD (switching duty) rated. Suitable for switching 120V AC fluorescent lighting loads.

† UL Listed as HACR type for use with air conditioning, heating and refrigeration equipment having motor group combinations and marked for use with HACR type circuit breakers

‡ Requires four spaces (#1-300 kcmil Al/Cu). Use only in single phase panel rated 150 A or greater.

\*\* OR (2) #14-10 Cu

### Homeline® - AFI

Square D®

Homeline Arc Fault Circuit Interrupters—Provide overload and short circuit protection, plus arc fault protection in accordance with UL 1699.



| Amp Rating     | Number of Poles | Mfg. No.    | Advanced ID     |
|----------------|-----------------|-------------|-----------------|
| <b>120V AC</b> |                 |             |                 |
| 15             | 1               | HOM115AFI * | <b>98295885</b> |
| 20             | 1               | HOM120AFI * | <b>98295888</b> |

\* UL Listed as HACR type for use with air conditioning, heating and refrigeration equipment having motor group combinations and marked for use with HACR type circuit breakers

### Homeline® - GFI

Square D®



HOM 1-Pole GFI, 1 space required



HOM 2-Pole GFI, 2 spaces required

HOM-GFI circuit breakers provide overload and short circuit protection, combined with Class A ground fault protection. Class A denotes a ground fault circuit interrupter that will trip when a fault current to ground is 6 milliamperes or more.

| Amp Rating  | Number of Poles | Mfg. No.  | Advanced ID     | Main Wire Size     |
|---|-----------------|-----------|-----------------|--------------------|
| <b>10,000 AIR - One space required - 120V AC</b>                  |                 |           |                 |                    |
| 15  | 1               | HOM115GFI | <b>88313861</b> | #14-10 Al/Cu       |
| 20  | 1               | HOM120GFI | <b>88313860</b> | #14-10 Al/Cu       |
| <b>10,000 AIR - 2 Spaces required - Common Trip - 120/240V AC</b> |                 |           |                 |                    |
| 15  | 2               | HOM215GFI | <b>92137571</b> | #12-4 Al, #14-6 Cu |
| 20  | 2               | HOM220GFI | <b>92137572</b> | #12-4 Al, #14-6 Cu |
| 30  | 2               | HOM230GFI | <b>92137573</b> | #12-4 Al, #14-6 Cu |
| 40  | 2               | HOM240GFI | <b>92133810</b> | #12-4 Al, #14-6 Cu |
| 50  | 2               | HOM250GFI | <b>94023986</b> | #12-4 Al, #14-6 Cu |

### Homeline® - Enclosed GFCI Circuit Breakers

Square D®

2-pole, 120/240V AC, GFCI circuit breaker included, 10,000 AIR.

| Amp Rating | Number of Poles | Mfg. No.     | Advanced ID     | Main Wire Size     |
|------------|-----------------|--------------|-----------------|--------------------|
| 50         | 2               | HOME250SPA*† | <b>22036958</b> | #12-4 Al, #14-6 Cu |

\*Box No. 1 NM (Non-Metallic), 1R (Metallic)

†Includes HOM250GFI circuit breaker

### Homeline® - HOMETandem Circuit Breakers

Square D®



| Amp Rating   | Number of Poles | Mfg. No.   | Advanced ID     | Main Wire Size |
|--|-----------------|------------|-----------------|----------------|
| <b>10,000 AIR - 120/240V AC - One Space Required</b> |                 |            |                 |                |
| 15 and 15  | 1               | HOMT1515 * | <b>88313859</b> | #14-8 Al/Cu    |
| 15 and 20  | 1               | HOMT1520 * | <b>88313858</b> | #14-8 Al/Cu    |
| 20 and 20  | 1               | HOMT2020 * | <b>88313857</b> | #14-8 Al/Cu    |
| 30 and 15  | 1               | HOMT3015 * | <b>99534500</b> | #14-8 Al/Cu    |
| 30 and 20  | 1               | HOMT3020 * | <b>99517352</b> | #14-8 Al/Cu    |

\* UL Listed as HACR type for use with air conditioning, heating and refrigeration equipment having motor group combinations and marked for use with HACR type circuit breakers

### Homeline® -HOMETandem Quad Tandem Circuit Breakers

Square D®



| Amp Rating †  | Number of Poles | Mfg. No.      | Advanced ID     | Main Wire Size     |
|---|-----------------|---------------|-----------------|--------------------|
| <b>10,000 AIR - 120/240V AC - Two Spaces Required</b> |                 |               |                 |                    |
| (2) 1/15 & (1) 2/15                                   | 4               | HOMT1515215 * | <b>90083773</b> | #14-8 Al/Cu        |
| (2) 1/15 & (1) 2/20                                   | 4               | HOMT1515220 * | <b>90042791</b> | #14-8 Al/Cu        |
| (2) 1/15 & (1) 2/25                                   | 4               | HOMT1515225 * | <b>99525470</b> | #14-8 Al/Cu        |
| (2) 1/15 & (1) 2/30                                   | 4               | HOMT1515230 * | <b>90004403</b> | #14-8 Al/Cu        |
| (2) 1/15 & (1) 2/40                                   | 4               | HOMT1515240 * | <b>99524445</b> | #6-12 Al, #6-14 Cu |
| (2) 1/15 & (1) 2/50                                   | 4               | HOMT1515250 * | <b>99524447</b> | #6-12 Al, #6-14 Cu |
| (2) 1/20 & (1) 2/20                                   | 4               | HOMT2020220 * | <b>90042790</b> | #14-8 Al/Cu        |
| (2) 1/20 & (1) 2/25                                   | 4               | HOMT2020225 * | <b>99525471</b> | #14-8 Al/Cu        |
| (2) 1/20 & (1) 2/30                                   | 4               | HOMT2020230 * | <b>90004404</b> | #14-8 Al/Cu        |
| (2) 1/20 & (1) 2/40                                   | 4               | HOMT2020240 * | <b>99524446</b> | #6-12 Al, #6-14 Cu |
| (2) 1/20 & (1) 2/50                                   | 4               | HOMT2020250 * | <b>99524448</b> | #6-12 Al, #6-14 Cu |

\* UL Listed as HACR type for use with air conditioning, heating and refrigeration equipment having motor group combinations and marked for use with HACR type circuit breakers

† Typical catalog number (e.g. HOMT1515230) represents two single-pole, outer poles (two 15A 1P CBs) and one 2-pole inner circuit breaker with common trip (one 30A 2P CB).



### Homeline® Circuit Breaker Accessories

Square D®

| Mfg. No.                  | Advanced ID              | Description   |
|---------------------------|--------------------------|---|
| <b>Handle Attachments</b> |                          |   |
| HOM1HT                    | <a href="#">88313827</a> | Handle Tie: converts any two adjacent 120/240V AC single HOM breakers to independent trip 2-pole                      |
| HOMTHT                    | <a href="#">88313826</a> | Handle Tie: Converts any two adjacent 120/240V AC single-pole side-by-side HOMT breakers to independent trip 2-pole   |
| QO1LO                     | <a href="#">88242705</a> | Handle Clamp: Clamp for holding HOM single-pole handle in 'ON' or 'OFF' position                                      |
| HOM2HBD                   | -                        | Handle Blocking Device: Attaches to standard HOM 2-pole circuit breakers for holding the handle in the 'OFF' position |
| HOM1PA                    | <a href="#">93149402</a> | Handle Padlock Attachment: For padlocking single-pole standard HOM breakers in 'ON' or 'OFF' position                 |
| HOM2PALA                  | <a href="#">99894742</a> | Handle Padlock Attachment: For padlocking 2-pole standard HOM breakers in 'ON' or 'OFF' position - 15-70A             |
| HOM2PAHA                  | <a href="#">99894743</a> | Handle Padlock Attachment: For padlocking 2-pole standard HOM breakers in 'ON' or 'OFF' position - 80-125A            |
| HOM2PAVHA                 | <a href="#">22071051</a> | Handle Padlock Attachment: For padlocking 2-pole standard HOM breakers in 'ON' or 'OFF' position - 150-200A           |
| HOMQPA                    | <a href="#">97107391</a> | Handle Padlock Attachment: For padlocking center poles of Homeline Quad breakers in 'OFF' position                    |
| QOM1PA *                  | <a href="#">88243250</a> | For padlocking main circuit breakers in convertible load centers, "OFF", 50-125A, QOM1 Frame Size                     |
| QOM2PA *                  | <a href="#">88243251</a> | For padlocking main circuit breakers in convertible load centers, "OFF", 100-225A, QOM2 Frame Size                    |
| <b>Sub-feed Lugs</b>      |                          |   |
| HOML2125                  | <a href="#">88313823</a> | 125A 2-pole plug-on — 2 spaces required   |
| HOML2225 †                | <a href="#">22071050</a> | 225A 2-pole plug-on — 4 spaces required   |

\* 50-125A QOM1 frame size; 100-225A QOM2 frame size

† Requires four spaces (#1-300 kcmil Al/Cu). Use only in single phase panel rated 150A or greater.

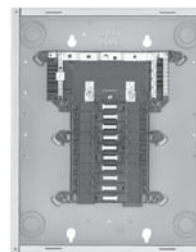
**QO® Load Center**  
**Indoor Single-Phase**

**Main Lug**

Square D®



QO816L100F or S



QO120L125G

120/240V AC - UL Listed; Listings below thru 200 Amp mains rating meet Federal Specification W P-115c as Type 1, Class 2.

| Main Amp Rating  | Spaces | Max. No. Single Pole Cir. * | Max. No. Tandem Cir. | Mfg. No.               | Advanced ID     | Main Wire Size         | Equipment Ground Bar Kit (Order Separately) |
|--|--------|-----------------------------|----------------------|------------------------|-----------------|------------------------|---|
| <b>Fixed Mains - Factory-Installed Main Lugs - 10,000 RMS Sym. Amperes Short Circuit Current Rating - Cover Included †</b> |        |                             |                      |                        |                 |                        |   |
| 30   | 2      | 2                           | 0                    | QO2L30S ‡ **           | <b>88242860</b> | #12-10 Al, #14-10 Cu   | PK3GTA-1                                    |
| 70   | 2      | 4                           | 2                    | QO24L70F †† ●          | <b>88242715</b> | #12-10 Al, #14-4 Cu    | PK4GTA                                      |
| 100  | 6      | 12                          | 6                    | QO612L100F †† ●        | <b>88243005</b> | #8-1 Al/Cu             | PK7GTA                                      |
| 100  | 8      | 16                          | 8                    | QO816L100F †† ●        | <b>88243023</b> | #8-1 Al/Cu             | PK7GTA                                      |
| 100  | 6      | 12                          | 6                    | QO612L100DF †† ○ ■     | <b>88243003</b> | #8-1 Al/Cu             | PK7GTA                                      |
| 100  | 8      | 16                          | 8                    | QO816L100DF †† ○ ■     | <b>88243020</b> | #8-1 Al/Cu             | PK7GTA                                      |
| 100  | 6      | 12                          | 6                    | QO612L100DFCU †† ○ ■ □ | <b>95011161</b> | #8-1 Al/Cu             | PK7GTA                                      |
| 100  | 8      | 16                          | 8                    | QO816L100DFCU †† ○ ■ □ | <b>95011164</b> | #8-1 Al/Cu             | PK7GTA                                      |
| 125  | 4      | 8                           | 4                    | QO148L125GF †† ▲       | <b>99542414</b> | #12-2/0 Al, #14-2/0 Cu | PK7GTA ◆                                    |
| <b>Convertible Mains - Factory-Installed Main Lugs - 65,000 RMS Sym. Amperes Short Circuit Current Ratings † ▼</b>         |        |                             |                      |                        |                 |                        |   |
| <b>QOM1 Main Frame Size-Convertible to Main Circuit Breaker-Copper Bus</b>   |        |                             |                      |                        |                 |                        |   |
| 125  | 12     | 12                          | 0                    | QO112L125G ★           | <b>96001648</b> | #6-2/0 Al/Cu           | PK9GTA ◆                                    |
| 125  | 12     | 24                          | 12                   | QO11224L125G ★         | <b>96001650</b> | #6-2/0 Al/Cu           | PK15GTA ◆                                   |
| 125  | 16     | 16                          | 0                    | QO116L125G ☆           | <b>96001654</b> | #6-2/0 Al/Cu           | PK12GTA ◆                                   |
| 125  | 16     | 24                          | 8                    | QO11624L125G ☆         | <b>96001655</b> | #6-2/0 Al/Cu           | PK15GTA ◆                                   |
| 125  | 20     | 20                          | 0                    | QO120L125G ☆           | <b>96001656</b> | #6-2/0 Al/Cu           | PK15GTA ◆                                   |
| 125  | 20     | 24                          | 4                    | QO12024L125G ☆         | <b>96001657</b> | #6-2/0 Al/Cu           | PK15GTA ◆                                   |
| 125  | 24     | 24                          | 0                    | QO124L125G ☆           | <b>96001660</b> | #6-2/0 Al/Cu           | PK15GTA ◆                                   |
| 125  | 32     | 32                          | 0                    | QO132L125G ☼           | <b>22015388</b> | #6-2/0 Al/Cu           | PK23GTA and LK100AN ◆                       |
| <b>Convertible Mains - Factory-Installed Main Lugs - 65,000 RMS Sym. Amperes Short Circuit Current Ratings † ▼</b>         |        |                             |                      |                        |                 |                        |   |
| <b>QOM2 Main Frame Size-Convertible to Main Circuit Breaker-Copper Bus</b>   |        |                             |                      |                        |                 |                        |   |
| 150  | 20     | 30                          | 10                   | QO12030L150G *         | <b>96001662</b> | #6-250 Al/Cu           | PK23GTA and LK100AN ◆                       |
| 150  | 24     | 24                          | 0                    | QO124L150G *           | <b>96001664</b> | #6-250 Al/Cu           | PK15GTA ◆                                   |
| 200  | 12     | 12                          | 0                    | QO112L200G *           | <b>96001666</b> | #6-250 Al/Cu           | PK15GTA ◆                                   |
| 200  | 24     | 36                          | 12                   | QO12436L200TFT ◆ ✓     | <b>22091561</b> | #6-250 Al/Cu           | PK23GTA and LK100AN ◆                       |
| 200  | 30     | 30                          | 0                    | QO130L200G *           | <b>96001668</b> | #6-250 Al/Cu           | PK23GTA and LK100AN ◆                       |
| 200  | 30     | 40                          | 10                   | QO13040L200G *         | <b>96001670</b> | #6-250 Al/Cu           | PK23GTA and LK100AN ◆                       |
| 200  | 40     | 40                          | 0                    | QO140L200G ✓           | <b>99488996</b> | #6-250 Al/Cu           | PK23GTA and LK100AN ◆                       |
| 225  | 42     | 42                          | 0                    | QO142L225G *           | <b>96001671</b> | #6-300 Al/Cu           | PK23GTA and LK100AN ◆                       |

\* Maximum number of single-pole branch circuits utilizing QO and/or QOT circuit breakers.  
 † UL short circuit current rating depends on lowest interrupting rating of circuit breaker installed.  
 ‡ Will not accept QO-EPD or QWIK-GARD QO-GFI circuit breakers.  
 \*\* Mains rated 25A when Al wire is used.  
 †† Order F for flush device or S for surface device.  
 ● Use #10 maximum size wire for GFI circuit breaker.  
 ○ 70A Max. branch circuit breaker and 70A max. back fed main circuit breaker.

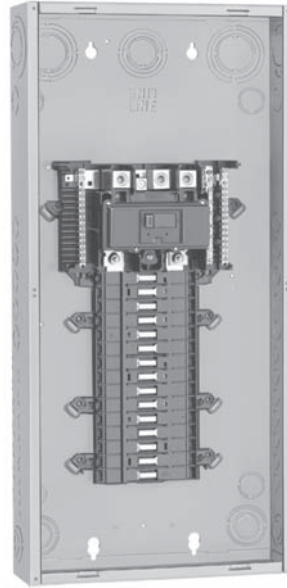
■ No provisions for lock kits.  
 □ CU indicates copper bus.  
 ▲ Copper bus.  
 ▼ UL Listed 5000 A short circuit current rating for corner grounded Delta systems. Use QO-H circuit breakers only.  
 ◆ Supplied with feed-thru lugs.  
 ◆ Factory-included.  
 ★ Cover with door/Order Separately - QOC16UF (Flush), QOC16US (Surface).

☆ Cover with door/Order Separately - QOC24UF (Flush), QOC24US (Surface).  
 ☼ Cover with door/Order Separately - QOC32UF (Flush) Only.  
 \* Cover with door/Order Separately - QOC30UF (Flush), QOC30US (Surface).  
 ✓ Cover with door/Order Separately - QOC40UF (Flush), QOC40US (Surface).  
 ✱ Cover with door/Order Separately - QOC42UF (Flush), QOC42US (Surface).

### QO® Load Center Indoor Single-Phase Main Breaker

Square D®

120/240V AC - UL Listed.



| Main Amp Rating  | Spaces | Max. No. Single Pole Cir. * | Max. No. Tandem Cir. | Mfg. No.    | Advanced ID     | Indoor Cover With Door (Order Separately) ‡ | Main Wire Size | Equipment Ground Bar Kit (Order Separately) |
|--|--------|-----------------------------|----------------------|-------------|-----------------|---|----------------|---|
| <b>Convertible Mains - Factory-Installed Main Circuit Breaker - 22,000 RMS Sym. Amperes Short Circuit Current Rating. Convertible to Main Lugs (See Load Centers - Accessories) or Lower Amperage Main Circuit Breaker †</b> |        |                             |                      |             |                 |   |                |   |
| <b>QOM1 Main Circuit Breaker Frame Size - Copper Bus</b>   |        |                             |                      |             |                 |   |                |   |
| 100  | 12     | 12                          | 0                    | QO112M100   | <b>96001672</b> | QOC12UF/S                                   | #6-1 Al/Cu     | PK9GTA                                      |
| 100  | 16     | 16                          | 0                    | QO116M100   | <b>96001673</b> | QOC20U100F/S                                | #6-1 Al/Cu     | PK12GTA                                     |
| 100  | 20     | 20                          | 0                    | QO120M100   | <b>96001674</b> | QOC20U100F/S                                | #6-1 Al/Cu     | PK15GTA                                     |
| 100  | 24     | 24                          | 0                    | QO124M100   | <b>96001675</b> | QOC24UF/S                                   | #6-2/0 Al/Cu   | PK15GTA                                     |
| 100  | 32     | 32                          | 0                    | QO132M100   | <b>97121993</b> | QOC32UF **                                  | #6-2/0 Al/Cu   | PK18GTA                                     |
| 125  | 24     | 24                          | 0                    | QO124M125   | <b>96001676</b> | QOC24UF/S                                   | #6-2/0 Al/Cu   | PK15GTA                                     |
| 125  | 32     | 32                          | 0                    | QO132M125   | <b>97214809</b> | QOC32UF **                                  | #6-2/0 Al/Cu   | PK18GTA                                     |
| <b>QOM2 Main Circuit Breaker Frame Size - Copper Bus</b>   |        |                             |                      |             |                 |   |                |   |
| 150  | 20     | 30                          | 10                   | QO12030M150 | <b>96001677</b> | QOC30UF/S                                   | #4-250 Al/Cu   | PK18GTA                                     |
| 150  | 24     | 24                          | 0                    | QO124M150   | <b>96001678</b> | QOC30UF/S                                   | #4-250 Al/Cu   | PK15GTA                                     |
| 150  | 30     | 30                          | 0                    | QO130M150   | <b>96001679</b> | QOC30UF/S                                   | #4-250 Al/Cu   | PK18GTA                                     |
| 150  | 32     | 32                          | 0                    | QO132M150   | <b>99578042</b> | QOC40UF/S                                   | #4-250 Al/Cu   | PK18GTA                                     |
| 200  | 20     | 40                          | 20                   | QO12040M200 | <b>96001680</b> | QOC30UF/S                                   | #4-250 Al/Cu   | PK23GTA                                     |
| 200  | 24     | 24                          | 0                    | QO124M200   | <b>96001685</b> | QOC30UF/S                                   | #4-250 Al/Cu   | PK15GTA                                     |
| 200  | 30     | 30                          | 0                    | QO130M200   | <b>96001686</b> | QOC30UF/S                                   | #4-250 Al/Cu   | PK18GTA                                     |
| 200  | 30     | 40                          | 10                   | QO13040M200 | <b>96001687</b> | QOC30UF/S                                   | #4-250 Al/Cu   | PK23GTA                                     |
| 200  | 40     | 40                          | 0                    | QO140M200   | <b>96001691</b> | QOC40UF/S                                   | #4-250 Al/Cu   | PK23GTA                                     |
| 200  | 42     | 42                          | 0                    | QO142M200   | <b>99578044</b> | QOC42UF/S                                   | #4-300 Al/Cu   | PK23GTA                                     |
| 225  | 40     | 40                          | 0                    | QO140M225   | <b>96001692</b> | QOC42UF/S                                   | #4-300 Al/Cu   | PK23GTA                                     |
| 225  | 42     | 42                          | 0                    | QO142M225   | <b>22037574</b> | QOC42UF/S                                   | #4-300 Al/Cu   | PK23GTA                                     |

\* Maximum number of single-pole branch circuits utilizing QO and/or QOT circuit breakers.

† 22,000 AIR main circuit breaker UL Listed for use ahead of QO, QOT and QO-PL 10,000 AIR branch circuit breakers to permit their application on systems with up to 22,000 amperes available fault current.

‡ Use suffix 'F' for flush and 'S' for surface.

\*\* Only available as flush.

### QO® Load Center Indoor and Rainproof 3-Phase

Square D®

3-Phase 4-Wire 208Y/120V AC, 3-Phase 4-Wire 240/120V AC Delta and 3-Phase 3-Wire 240V AC Delta - UL Listed. Below listings thru 200 A mains rating meet Federal Specification W-P-115C as Type 1, Class 2.



QO312L125G



QO342MQ200

| Main Amp Rating | Max. No. Single Pole Cir. * | Mfg. No. | Advanced ID | Indoor Cover With Door (Order Separately) ‡ | Main Wire Size | Equipment Ground Bar Kit (Order Separately) |
|-----------------|-----------------------------|----------|-------------|---|----------------|---|
|-----------------|-----------------------------|----------|-------------|---|----------------|---|

### Main Lug

#### INDOOR

#### Fixed Mains - Factory-Installed Main Lugs Copper Bus - 65,000 RMS Symmetrical Amperes Short Circuit Current Rating \*

|     |    |              |          |           |              |            |
|-----|----|--------------|----------|-----------|--------------|------------|
| 60  | 3  | QO403L60NF/S | 95018960 | Included  | #10-6 Cu     | PK4GTA     |
| 125 | 12 | QO312L125G   | 94048020 | QOC16UF/S | #6-2/0 Al/Cu | Included ○ |
| 125 | 20 | QO320L125G   | 94048834 | QOC24UF/S | #6-2/0 Al/Cu | Included ○ |
| 125 | 24 | QO324L125G   | 94048022 | QOC24UF/S | #6-2/0 Al/Cu | Included ○ |
| 200 | 18 | QO318L200G   | 94048838 | QOC30UF/S | #6-250 Al/Cu | Included ○ |
| 200 | 30 | QO330L200G   | 94048026 | QOC30UF/S | #6-250 Al/Cu | Included ○ |
| 225 | 42 | QO342L225G   | 94048035 | QOC42UF/S | #6-300 Al/Cu | Included ○ |

#### RAINPROOF

#### Fixed Mains - Factory-Installed Main Lugs Copper Bus - 65,000 RMS Symmetrical Amperes Short Circuit Current Rating \* ††

|     |    |              |          |          |              |            |
|-----|----|--------------|----------|----------|--------------|------------|
| 60  | 3  | QO403L60NRB  | 88292815 | Included | #10-6 Cu     | PK4GTA     |
| 125 | 12 | QO312L125GRB | 94048021 | Included | #6-2/0 Al/Cu | Included ○ |
| 125 | 20 | QO320L125GRB | 94048023 | Included | #6-2/0 Al/Cu | Included ○ |
| 200 | 18 | QO318L200GRB | 94048843 | Included | #6-250 Al/Cu | Included ● |
| 200 | 30 | QO330L200GRB | 94048027 | Included | #6-250 Al/Cu | Included ● |
| 225 | 42 | QO342L225GRB | 94048036 | Included | #6-300 Al/Cu | Included ● |

### Main Breaker

#### INDOOR

#### Convertible Mains - Factory-Installed QDL Main Circuit Breaker - Copper Bus - 25,000 RMS Symmetrical Amperes Max. Short Circuit Current Rating. †

|     |    |               |          |          |              |         |
|-----|----|---------------|----------|----------|--------------|---------|
| 100 | 27 | QO327M100 ‡   | 94048024 | QOC30U   | #4-2/0 Al/Cu | PK15GTA |
| 125 | 30 | QO330MQ125 ** | 22057396 | QOC342MQ | #4-300 Al/Cu | PK18GTA |
| 150 | 30 | QO330MQ150 ** | 22057397 | QOC342MQ | #4-300 Al/Cu | PK18GTA |
| 150 | 42 | QO342MQ150 ** | 22057399 | QOC342MQ | #4-300 Al/Cu | PK23GTA |
| 200 | 30 | QO330MQ200 ** | 22057255 | QOC342MQ | #4-300 Al/Cu | PK18GTA |
| 200 | 42 | QO342MQ200 ** | 22057256 | QOC342MQ | #4-300 Al/Cu | PK23GTA |
| 225 | 42 | QO342MQ225 ** | 22057257 | QOC342MQ | #4-300 Al/Cu | PK23GTA |

#### RAINPROOF ††

#### Convertible Mains - Factory-Installed QDL Main Circuit Breaker - Copper Bus - 25,000 RMS Symmetrical Amperes Max. Short Circuit Current Rating. †

|     |    |                 |          |          |              |         |
|-----|----|-----------------|----------|----------|--------------|---------|
| 100 | 27 | QO327M100RB ‡   | 94048025 | Included | #4-2/0 Al/Cu | PK15GTA |
| 125 | 30 | QO330MQ125RB ** | 22057316 | Included | #4-2/0 Al/Cu | PK18GTA |
| 150 | 30 | QO330MQ150RB ** | 22057317 | Included | #4-2/0 Al/Cu | PK18GTA |
| 200 | 30 | QO330MQ200RB ** | 22057318 | Included | #4-2/0 Al/Cu | PK18GTA |
| 200 | 42 | QO342MQ200RB ** | 22057319 | Included | #4-2/0 Al/Cu | PK23GTA |
| 225 | 42 | QO342MQ225RB ** | 22057321 | Included | #4-2/0 Al/Cu | PK23GT  |

\* UL short circuit current rating depends on lowest interrupting rating of circuit breaker installed.

† 25,000 RMS symmetrical amperes short circuit current rating maximum with Square D Type QDL main circuit breaker, or 22,000 RMS symmetrical amperes SCCR maximum with back-fed Type QO-VH main circuit breaker, feeding QO 10,000 AIR branch circuit breakers.

‡ Includes factory-installed back fed QO3100VH main circuit breaker (when ordering Main Breaker use suffix 'S' for surface, 'F' for flush).

\*\* 65,000 RMS Symmetrical amperes Short Circuit Current Rating maximum with field-installed Square D type QGL 65,000 AIR minimum main circuit breaker feeding QO and Q1 10,000 AIR minimum branch circuit breakers.

†† Side hinge door device allow 1 1/4 in. on left side for door to open

● PK23GTA and LK100AN

○ PK15GTA

### QO® Load Center Rainproof Single-Phase

Square D®

120/240V AC - UL Listed. Listings below thru 200 Amp mains rating meet Federal Specification W P-115c as Type 1, Class 2.

| Main Amp Rating | Spaces | Max. No. Single Pole Cir. * | Max. No. Tandem Cir. | Mfg. No. | Advanced ID | Indoor Cover With Door (Order Separately) ‡ | Main Wire Size | Equipment Ground Bar Kit (Order Separately) |
|-----------------|--------|-----------------------------|----------------------|----------|-------------|---|----------------|---|
|-----------------|--------|-----------------------------|----------------------|----------|-------------|---|----------------|---|

### Main Lug

#### NON-METALLIC ENCLOSURE

##### Fixed Mains - Factory-Installed Main Lugs - 10,000 RMS Sym. Amperes Short Circuit Current Rating

|    |   |   |   |             |                 |          |             |               |
|----|---|---|---|-------------|-----------------|----------|-------------|---------------|
| 60 | 2 | 4 | 2 | QO24L60NRNM | <b>99472119</b> | Included | #14-4 Al/Cu | Factory-incl. |
|----|---|---|---|-------------|-----------------|----------|-------------|---------------|

#### METALLIC ENCLOSURE

##### Fixed Mains - Factory-Installed Main Lugs - 10,000 RMS Sym. Amperes Short Circuit Current Rating

|     |   |    |   |                    |                 |          |                        |                   |
|-----|---|----|---|--------------------|-----------------|----------|------------------------|-------------------|
| 40  | 2 | 2  | 0 | QO2L40RB †         | <b>88242863</b> | Included | #12-6 Al, #14-6 Cu     | PK3GTA-1          |
| 70  | 2 | 4  | 2 | QO24L70RB †        | <b>88242716</b> | Included | #12-3 Al, #14-4 Cu     | PK4GTA            |
| 100 | 6 | 12 | 6 | QO612L100RB ‡      | <b>88243006</b> | Included | #8-1 Al/Cu             | PK7GTA            |
| 100 | 6 | 12 | 6 | QO612L100TRB ‡     | <b>92104580</b> | Included | #8-1 Al/Cu             | Factory-installed |
| 100 | 8 | 16 | 8 | QO816L100RB ‡      | <b>88243024</b> | Included | #8-1 Al/Cu             | PK7GTA            |
| 100 | 6 | 12 | 6 | QO612L100RBCU ‡ ** | <b>95011163</b> | Included | #8-1 Al/Cu             | PK7GTA            |
| 100 | 8 | 16 | 8 | QO816L100RBCU ‡ ** | <b>95011166</b> | Included | #8-1 Al/Cu             | PK7GTA            |
| 125 | 4 | 8  | 4 | QO148L125GRB **    | <b>99532580</b> | Included | #12-2/0 Al, #14-2/0 Cu | PK7GTA Fac.-incl. |

##### Convertible Mains - Factory-Installed Main Lugs - 65,000 RMS Sym. Amperes Maximum Short Circuit Current †† ● ○

##### QOM1 Main Frame Size-Convertible to Main Circuit Breaker-Copper Bus

|     |    |    |    |                |                 |          |              |                       |
|-----|----|----|----|----------------|-----------------|----------|--------------|-----------------------|
| 125 | 12 | 12 | 0  | QO112L125GRB   | <b>96001695</b> | Included | #6-2/0 Al/Cu | PK9GTA Factory-incl.  |
| 125 | 12 | 24 | 12 | QO11224L125GRB | <b>96001696</b> | Included | #6-2/0 Al/Cu | PK15GTA Factory-incl. |
| 125 | 16 | 24 | 8  | QO11624L125GRB | <b>96001698</b> | Included | #6-2/0 Al/Cu | PK15GTA Factory-incl. |
| 125 | 24 | 24 | 0  | QO124L125GRB   | <b>96001699</b> | Included | #6-2/0 Al/Cu | PK15GTA Factory-incl. |

##### Convertible Mains - Factory-Installed Main Lugs - 65,000 RMS Sym. Amperes Maximum Short Circuit Current †† ● ○

##### QOM2 Main Frame Size-Convertible to Main Circuit Breaker-Copper Bus

|     |    |    |    |                |                 |          |              |                              |
|-----|----|----|----|----------------|-----------------|----------|--------------|------------------------------|
| 150 | 30 | 30 | 0  | QO130L150GRB   | <b>96001700</b> | Included | #6-250 Al/Cu | PK23GTA & LK100AN Fac.-incl. |
| 200 | 12 | 12 | 0  | QO112L200GRB   | <b>96001702</b> | Included | #6-250 Al/Cu | PK9GTA Fac.-incl.            |
| 200 | 30 | 30 | 0  | QO130L200GRB   | <b>96001703</b> | Included | #6-250 Al/Cu | PK23GTA & LK100AN Fac.-incl. |
| 200 | 30 | 40 | 10 | QO13040L200GRB | <b>96001704</b> | Included | #6-250 Al/Cu | PK23GTA & LK100AN Fac.-incl. |
| 200 | 40 | 40 | 0  | QO140L200GRB   | <b>22091461</b> | Included | #6-250 Al/Cu | PK23GTA & LK100AN Fac.-incl. |
| 225 | 42 | 42 | 0  | QO142L225GRB   | <b>96001705</b> | Included | #6-300 Al/Cu | PK23GTA & LK100AN Fac.-incl. |

### Main Breaker 120/240V AC - UL Listed.

#### Convertible Mains - Factory-Installed Main Circuit Breaker - 22,000 RMS Sym. Amperes Short Circuit Current Rating. Convertible to Main Lugs

(See Load Centers - Accessories) or Lower Amperage Main Circuit Breaker ○ ■

##### QOM1 Main Circuit Breaker Frame Size - Copper Bus

|     |    |    |   |             |                 |          |              |         |
|-----|----|----|---|-------------|-----------------|----------|--------------|---------|
| 100 | 12 | 12 | 0 | QO112M100RB | <b>96001706</b> | Included | #6-2/0 Al/Cu | PK9GTA  |
| 100 | 16 | 16 | 0 | QO116M100RB | <b>96001708</b> | Included | #6-2/0 Al/Cu | PK12GTA |
| 100 | 20 | 20 | 0 | QO120M100RB | <b>96001709</b> | Included | #6-2/0 Al/Cu | PK15GTA |
| 125 | 24 | 24 | 0 | QO124M125RB | <b>96001711</b> | Included | #6-2/0 Al/Cu | PK15GTA |

##### QOM2 Main Circuit Breaker Frame Size - Copper Bus

|     |    |    |    |               |                 |          |              |         |
|-----|----|----|----|---------------|-----------------|----------|--------------|---------|
| 150 | 20 | 30 | 10 | QO12030M150RB | <b>96001712</b> | Included | #4-250 Al/Cu | PK18GTA |
| 150 | 30 | 30 | 0  | QO130M150RB   | <b>96001713</b> | Included | #4-250 Al/Cu | PK18GTA |
| 200 | 20 | 40 | 20 | QO12040M200RB | <b>96001714</b> | Included | #4-250 Al/Cu | PK23GTA |
| 200 | 30 | 30 | 0  | QO130M200RB   | <b>96001715</b> | Included | #4-250 Al/Cu | PK18GTA |
| 200 | 40 | 40 | 0  | QO140M200RB   | <b>96001716</b> | Included | #4-250 Al/Cu | PK23GTA |

##### QOM2 Main Circuit Breaker With Feed-Thru Lugs - Copper Bus

|     |   |    |   |                |                 |          |              |           |
|-----|---|----|---|----------------|-----------------|----------|--------------|-----------|
| 125 | 6 | 12 | 6 | QO1612M125FTRB | <b>96001717</b> | Included | #4-2/0 Al/Cu | PK12GTA   |
| 150 | 8 | 16 | 8 | QO1816M150FTRB | <b>96001718</b> | Included | #4-250 Al/Cu | PK15GTA-L |
| 200 | 8 | 16 | 8 | QO1816M200FTRB | <b>96001719</b> | Included | #4-250 Al/Cu | PK15GTA-L |

\* Maximum number of single-pole branch circuits utilizing QO and/or QOT circuit breakers

† Use #10 maximum size wire for GFI circuit breaker.

‡ 70A max. branch circuit breaker and 70A max. back fed main circuit breaker.

\*\* Copper bus.

†† UL short circuit current rating depends on lowest interrupting rating of circuit breakers installed.

● UL Listed 5000A short circuit current rating for corner grounded Delta systems. Use QO-H circuit breakers only.

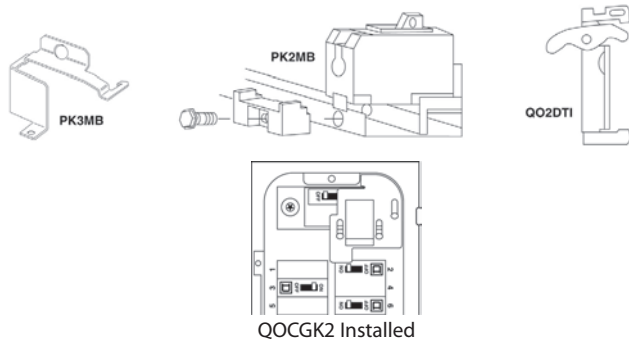
○ Side hinge door device; allow 1/4 in. on left side for door to open.

■ 22,000 AIR main circuit breaker UL Listed for use ahead of QO, QOT QO-GFI, QO-EPD and QO-PL 10,000 AIR branch circuit breakers to permit their application on systems with up to 22,000 amperes available fault current.



### QO® Load Center Accessories

Square D®



| Mfg. No.                             | Advanced ID     | Description   |
|--------------------------------------|-----------------|---|
| <b>Retaining Kit</b>                 |                 |   |
| PK2MB                                | <b>88242144</b> | Secures circuit breaker to interior when used as a back-fed main. For QO612L100F /S, RB, QO612L100DF/S, QO816L100F/S, RB, QO816L100DF/S and QO148L125GF/S, GRB load centers.  |
| PK3MB                                | <b>95002469</b> | Secures circuit breaker to interior when used as a back-fed main. For 3Ø Load Centers.  |
| PK5RK                                | <b>22091486</b> | Secures circuit breaker to interior when used as a back-fed main. For 2-pole QO 150 -200A circuit breakers.   |
| PK4MB2LA                             | <b>99419676</b> | Secures ONE circuit breaker with or without electrical accessories to right side of interior when used as a back-fed main. For 1Ø 100-125A convertible main load centers. Series S01 and S02.   |
| PK4MB2HA                             | <b>99419678</b> | Secures ONE circuit breaker with or without electrical accessories to right side of interior when used as a back-fed main. For 1Ø 150-225A convertible main load centers. Series S01 and S02.   |
| <b>Manual Transfer Equipment Kit</b> |                 |   |
| QO2DT1                               | <b>88242858</b> | For interlocking the handles of two 2-pole or one 2-pole and one single-pole QO and Q1 circuit breakers mounted side-by-side so that only one circuit breaker can be 'ON' at a time.  |
| QO2DTIM                              | <b>92100122</b> | QO2DT1 mechanical interlock attachment with retaining kits for securing two adjacent back-fed circuit breakers in dual power supply applications. Can be used with (2) 2-poles or (1) 2-pole and (1) single-pole QO circuit breakers in QO816L100 load centers. |
| PK4DTIM4LA                           | <b>98415519</b> | Secures two 2-pole circuit breakers to right side of interior when used as back-fed mains, a QO2DT1 Kit included for back-up power supply applications. For 1Ø 100-125A convertible main load centers. Series S01 and S02.                                      |
| PK4DTIM4HA                           | <b>99418956</b> | Secures two 2-pole circuit breakers to right side of interior when used as back-fed mains, a QO2DT1 Kit included for back-up power supply applications. For 1Ø 150-225A convertible main load centers. Series S01 and S02.                                      |

| Mfg. No.                                       | Advanced ID     | Description   |
|--|-----------------|---|
| <b>Manual Transfer Equipment Kit</b>           |                 |   |
| PK4DTIM4LAL                                    | <b>99418957</b> | Secures two 2-pole circuit breakers to left side of interior when used as back-fed mains, a QO2DT1 Kit included for back-up power supply applications. For 1Ø 100-125 ampere convertible main load centers. Series S01 and S02.           |
| <b>Generator Circuit Breaker Interlock Kit</b> |                 |   |
| QOCGK2   | <b>22058696</b> | For use on 'G' and 'S' series NEMA 1 and 'G' and 'S1' Series NEMA 3R load centers. Interlocks a QOM2 2-pole main circuit breaker of a load center (150-225A) with a QO 2-pole (15-125A) branch circuit breaker. Includes a retaining kit. |
| QORBKG2  | <b>22066646</b> | For use on 'S2' series NEMA 3R load centers. Interlocks a QOM2 2-pole main circuit breaker of a load center (150-225A) with a QO 2-pole (15-125A) branch circuit breaker. Includes a retaining kit.                                       |
| <b>Cover Sealing Strap</b>                     |                 |   |
| QO1SE  | <b>88242709</b> | Provides means of sealing trim mounting screws on QO load center covers.  |
| <b>Surge Arrester Mounting Kit</b>             |                 |   |
| QOSAMK   | <b>88292793</b> | UL Listed for mounting SDSA1175 surge arrester into ground bar mounting holes on 1Ø convertible main circuit breaker load centers.  |
| <b>Filler Plates</b>                           |                 |   |
| QOFP   | <b>88243247</b> | Branch circuit filler plates.   |
| QOM1FP   | <b>88243260</b> | Main breaker filler plate - 1 phase, 100-125 A  |
| QOM2FP   | <b>88243271</b> | Main breaker filler plate - 1 phase, 150-225 A  |
| <b>Neutral / Ground Lugs</b>                   |                 |   |
| LK70AN   | <b>90076594</b> | Field-installed for #12 to 2 Al or #14 to 2 Al or #14 to 4 Cu wire.   |
| LK100AN  | <b>90059666</b> | Field-installed for #6 to 2/0 Al/Cu wire.   |
| LK125AN  | <b>99945056</b> | Field-installed for #14 to 2/0 Al/Cu wire.  |
| LK150AN  | <b>98311579</b> | Field-installed for #2 to 3/0 Al/Cu wire.   |
| LK225AN  | <b>22071059</b> | Field-installed for #4 to 300 kcmil Al/Cu wire. Use in Series S, 150-225A QO or HOM load center.  |
| <b>Handle Padlock Attachment</b>               |                 |   |
| QOM1PA   | <b>88243250</b> | For padlocking main circuit breakers in convertible load centers, "OFF", 50-125A, QOM1 Frame Size.  |
| QOM2PA   | <b>88243251</b> | For padlocking main circuit breakers in convertible load centers, "OFF", 100-225A, QOM2 Frame Size.   |

Continued ►



### QO® Main Circuit Breaker Kits

Square D®

Field-installable Main Circuit Breaker (Convertible Load Centers Only).

| Mfg. No.  | Advanced ID     | Description  |
|---|-----------------|--|
| <b>QOM1 Frame Size - 22,000 AIR† (Convertible Load Centers Only)</b>    |                 |  |
| QOM50VH   | <b>96075960</b> | 50A *, 100-125 Mains Rating.<br>#12-2/0 Al/Cu Lug Wire Size‡.  |
| QOM60VH   | <b>95039166</b> | 60A *, 100-125 Mains Rating.<br>#12-2/0 Al/Cu Lug Wire Size‡.  |
| QOM70VH   | <b>88243273</b> | 70A *, 100-125 Mains Rating.<br>#12-2/0 Al/Cu Lug Wire Size‡.  |
| QOM80VH   | <b>88243275</b> | 80A *, 100-125 Mains Rating.<br>#12-2/0 Al/ Cu Lug Wire Size‡.   |
| QOM90VH   | <b>88243277</b> | 90A*, 100-125 Mains Rating.<br>#12-2/0 Al/Cu Lug Wire Size‡.   |
| QOM100VH  | <b>88243253</b> | 100A*, 100-125 Mains Rating.<br>#12-2/0 Al/Cu Lug Wire Size‡.  |
| QOM110VH  | <b>88243255</b> | 110A*, 125 Mains Rating.<br>#12-2/0 Al/ Cu Lug Wire Size‡.   |
| QOM125VH  | <b>88243257</b> | 125A*, 125 Mains Rating.<br>#12-2/0 Al/ Cu Lug Wire Size‡.   |
| <b>QOM2 Frame Size - 22,000 AIR† ** (Convertible Load Centers Only)</b> |                 |  |
| QOM2100VH   | <b>88243261</b> | 100A *, 150-225 Mains Rating.<br>#4-300 Al/Cu Lug Wire Size‡.  |
| QOM2125VH   | <b>88243262</b> | 125A*, 150-225 Mains Rating.<br>#4-300 Al/ Cu Lug Wire Size‡.  |
| QOM2150VH   | <b>88243264</b> | 150A*, 150-225 Mains Rating.<br>#4-300 Al/ Cu Lug Wire Size‡.  |
| QOM2175VH   | <b>88243266</b> | 175A*, 200-225 Mains Rating.<br>Main circuit breaker rating 175A*,<br>200-225 Mains Rating.<br>#4-300 Al/ Cu Lug Wire Size‡. |
| QOM2200VH   | <b>88243268</b> | 200A*, 200-225 Mains Rating.<br>#4-300 Al/Cu Lug Wire Size‡.   |
| QOM2225VH   | <b>88243270</b> | 225A*, 225 Mains Rating.<br>#4-300 Al/ Cu Lug Wire Size‡.  |

\* Do not exceed the load center mains rating.

† 22,000 AIR main circuit breaker UL Listed for use ahead of QO, QOT and QO-PL 10,000 AIR branch circuit breakers to permit their application on systems with up to 22,000 amperes available fault current.

‡ Wire range listed for QOM circuit breaker kits is the wire range of that circuit breaker.

\*\* Add suffix 1021 for 120, 208 or 240V AC shunt trip. Additional cost may apply.

### QO® Main Lug Kits

Square D®



QOL125

QOL225

Field-installable Main Lugs (Convertible Load Centers Only).

| Mfg. No. | Advanced ID     | Description  |
|----------|-----------------|--|
| QOL125 ‡ | <b>88243248</b> | 125A *, 100-125 Mains Rating.<br>#6-2/0 Al/Cu Wire Size†.  |
| QOL225 ‡ | <b>88243249</b> | 225A *, 150-225 Mains Rating.<br>#6-300 Al/Cu Wire Size †. |

\* Do not exceed the load center mains rating.

† Wire range listed for QOL lug kits is the wire range of that lug.

‡ If main circuit breaker knockout has been removed from the load center's trim, order appropriate filler plate.

### QO® - HM

#### Plug-on Circuit Breakers

#### Class 685, 690, 730, 912, 950

Square D®

High magnetic trip circuit breakers are recommended for applications where high initial inrush current may occur and for individual dimmer applications.

| Amp Rating *                | Number of Poles | Mfg. No.    | Advanced ID     |
|-----------------------------|-----------------|-------------|-----------------|
| <b>120V AC - 10,000 AIR</b> |                 |             |                 |
| 15                          | 1               | QO115HM † ‡ | <b>88242611</b> |
| 20                          | 1               | QO120HM † ‡ | <b>88242631</b> |

\* 10-30A circuit breakers are suitable for use with 60°C or 75°C conductors. 35-125 A circuit breakers are suitable for use with 75°C conductors.

† UL Listed as SWD (switching duty) rated. Suitable for switching 120V AC fluorescent lighting loads.

‡ UL Listed as HACR type for use with air conditioning, heating and refrigeration equipment having motor group combinations and marked for use with HACR type circuit breakers.

### QO® - GFI

#### Plug-on Circuit Breakers

#### Class 685, 690, 730, 912, 950

Square D®



1-Pole QO-GFI



2-Pole QO-GFI

QO-GFI Qwik-Gard® circuit breakers provide overload and short circuit protection, combined with Class A ground fault protection. Class A denotes a ground fault circuit interrupter that will trip when a fault current to ground is 6 milliamperes or more, for people protection.

Note: Do not connect more than 250 ft. of load conductor for the total one-way run to prevent nuisance tripping.

| Amp Rating *  | Number of Poles | Mfg. No.   | Advanced ID     | Main Wire Size     |
|---|-----------------|------------|-----------------|--------------------|
| <b>10,000 AIR - One space required - 120V AC</b>                  |                 |            |                 |                    |
| 15  | 1               | QO115GFI   | <b>88242610</b> | #12-8 Al, #14-8 Cu |
| 20  | 1               | QO125GFI   | <b>88242638</b> | #12-8 Al, #14-8 Cu |
| 25  | 1               | QO120GFI   | <b>88242629</b> | #12-8 Al, #14-8 Cu |
| 30  | 1               | QO130GFI   | <b>88242654</b> | #12-8 Al, #14-8 Cu |
| <b>22,000 AIR - One space required - 120V AC</b>                  |                 |            |                 |                    |
| 15  | 1               | QO115VHGFI | <b>88242614</b> | #12-8 Al, #14-8 Cu |
| 20  | 1               | QO120VHGFI | <b>88242634</b> | #12-8 Al, #14-8 Cu |
| 25  | 1               | QO125VHGFI | <b>88242641</b> | #12-8 Al, #14-8 Cu |
| 30  | 1               | QO130VHGFI | <b>88242657</b> | #12-8 Al, #14-8 Cu |
| <b>10,000 AIR - 2 Spaces required - Common Trip - 120/240V AC</b> |                 |            |                 |                    |
| 15  | 2               | QO215GFI   | <b>88242773</b> | #12-8 Al, #14-8 Cu |
| 20  | 2               | QO220GFI   | <b>88242782</b> | #12-8 Al, #14-8 Cu |
| 25  | 2               | QO225GFI   | <b>88242791</b> | #12-8 Al, #14-8 Cu |
| 30  | 2               | QO230GFI   | <b>88242797</b> | #12-8 Al, #14-8 Cu |
| 40  | 2               | QO240GFI   | <b>88242809</b> | #12-4 Al, #14-6 Cu |
| 50  | 2               | QO250GFI   | <b>88242836</b> | #12-4 Al, #14-6 Cu |
| 60  | 2               | QO260GFI † | <b>88242843</b> | #12-4 Al, #14-6 Cu |

\* 10-30A circuit breakers are suitable for use with 60°C or 75°C conductors. 35-125A circuit breakers are suitable for use with 75°C conductors.

† Suitable only for feeding 240V AC and 208V AC 2-wire loads. Does not contain load neutral connection.

### QO® - AFI

#### Plug-on Circuit Breakers

#### Class 685, 690, 730, 912, 950

Square D®

QO Arc Fault Circuit Interrupters—Provide overload and short circuit protection, plus arc fault protection in accordance with UL 1699.



| Amp Rating †                              | Number of Poles | Mfg. No.   | Advanced ID     |
|---|-----------------|------------|-----------------|
| <b>Single-Pole - 120V AC - 10,000 AIR</b> |                 |            |                 |
| 15  | 1               | QO115AFI * | <b>98295880</b> |
| 20  | 1               | QO120AFI * | <b>98295882</b> |

\* UL Listed as HACR type for use with air conditioning, heating and refrigeration equipment having motor group combinations and marked for use with HACR type circuit breakers.

† 10-30A circuit breakers are suitable for use with 60°C or 75°C conductors. 35-125A circuit breakers are suitable for use with 75°C conductors.

### QO® - EPD

#### Plug-on Circuit Breakers

#### Class 685, 690, 730, 912, 950

Square D®

QO - EPD circuit breakers provide overload and short circuit protection combined with Class B ground fault protection. They are designed to provide ground fault protection of equipment at a 30 milliamper level. They are not designed to protect people from electrical shock.

| Amp Rating *  | Number of Poles | Mfg. No. | Advanced ID     | Main Wire Size     |
|---|-----------------|----------|-----------------|--------------------|
| <b>10,000 AIR - 120V AC - One Space Required</b>                    |                 |          |                 |                    |
| 15  | 1               | QO115EPD | <b>91015224</b> | #12-8 Al, #14-8 Cu |
| 20  | 1               | QO120EPD | <b>88292813</b> | #12-8 Al, #14-8 Cu |
| 25  | 1               | QO125EPD | <b>98294534</b> | #12-8 Al, #14-8 Cu |
| 30  | 1               | QO130EPD | <b>90075037</b> | #12-8 Al, #14-8 Cu |
| <b>10,000 AIR - Common Trip - 120/240V AC - Two Spaces Required</b> |                 |          |                 |                    |
| 15  | 2               | QO215EPD | <b>91015223</b> | #12-8 Al, #14-8 Cu |
| 20  | 2               | QO220EPD | <b>91015666</b> | #12-8 Al, #14-8 Cu |
| 25  | 2               | QO225EPD | <b>91015667</b> | #12-8 Al, #14-8 Cu |
| 30  | 2               | QO230EPD | <b>90072673</b> | #12-8 Al, #14-8 Cu |
| 40  | 2               | QO240EPD | <b>99570290</b> | #12-4 Al, #14-6 Cu |
| 50  | 2               | QO250EPD | <b>22091351</b> | #12-4 Al, #14-6 Cu |

\* 10-30A circuit breakers are suitable for use with 60°C or 75°C conductors. 35-125A circuit breakers are suitable for use with 75°C conductors.

### QO® - Enclosed GFCI Circuit Breakers

Square D®

2-pole, 120/240V AC, GFCI circuit breaker included, 10,000 AIR.

| Amp Rating | Number of Poles | Mfg. No.      | Advanced ID     | Main Wire Size |
|------------|-----------------|---------------|-----------------|----------------|
| 50         | 2               | QOE250GFINM*† | <b>99843832</b> | #12-4 Al       |

\*Box No. 1 NM (Non-Metallic), 1R (Metallic)

†QO250GFI breaker included

### QO® - HID

#### Plug-on Circuit Breakers

#### Class 685, 690, 730, 912, 950

Square D®

HID circuit breakers are for use on circuits feeding fluorescent and high intensity discharge (HID) lighting systems such as mercury vapor, metal halide, or high pressure sodium. These circuit breakers are physically interchangeable with QO circuit breakers.

| Amp Rating * | Number of Poles | Mfg. No. | Advanced ID | Main Wire Size |
|--------------|-----------------|----------|-------------|----------------|
|--------------|-----------------|----------|-------------|----------------|

#### Single-Pole, 120/240V AC, 10,000 AIR, 1 Space Required

|    |   |           |                 |                              |
|----|---|-----------|-----------------|------------------------------|
| 15 | 1 | QO115HID† | <b>90075035</b> | #14-8 Al/Cu or (2) #14-10 Cu |
| 20 | 1 | QO120HID† | <b>88242630</b> | #14-8 Al/Cu or (2) #14-10 Cu |
| 25 | 1 | QO125HID  | <b>22061988</b> | #14-8 Al/Cu or (2) #14-10 Cu |
| 30 | 1 | QO130HID  | <b>90087948</b> | #14-8 Al/Cu or (2) #14-10 Cu |
| 40 | 1 | QO140HID  | <b>92104971</b> | #8-2 Al/Cu                   |
| 50 | 1 | QO150HID  | <b>92104972</b> | #8-2 Al/Cu                   |

#### 2-Pole Common Trip, 120/240V AC, 10,000 AIR, 2 spaces required

|    |   |          |                 |                              |
|----|---|----------|-----------------|------------------------------|
| 15 | 2 | QO215HID | <b>92104973</b> | #14-8 Al/Cu or (2) #14-10 Cu |
| 20 | 2 | QO220HID | <b>92104974</b> | #14-8 Al/Cu or (2) #14-10 Cu |
| 25 | 2 | QO225HID | <b>92124826</b> | #14-8 Al/Cu or (2) #14-10 Cu |
| 30 | 2 | QO230HID | <b>92104975</b> | #14-8 Al/Cu or (2) #14-10 Cu |
| 40 | 2 | QO240HID | <b>92104966</b> | #8-2 Al/Cu                   |
| 50 | 2 | QO250HID | <b>92104967</b> | #8-2 Al/Cu                   |

#### 3-Pole Common Trip, 240V AC, 10,000 AIR, 3 spaces required

|    |   |          |                 |             |
|----|---|----------|-----------------|-------------|
| 15 | 3 | QO315HID | <b>92104968</b> | #14-8 Al/Cu |
| 20 | 3 | QO320HID | <b>92104969</b> | #14-8 Al/Cu |
| 25 | 3 | QO325HID | <b>22091333</b> | #14-8 Al/Cu |
| 30 | 3 | QO330HID | <b>92104970</b> | #14-8 Al/Cu |

\* 10-30A circuit breakers are suitable for use with 60°C or 75°C conductors. 35-60A circuit breakers are suitable for use with 75°C conductors.

†UL Listed as SWD (switching duty) rated. Suitable for switching 120V AC fluorescent lighting loads.

### QO® - K

#### Plug-on Circuit Breakers

#### Class 685, 690, 730, 912, 950

Square D®

Key operated QO circuit breakers are available in single-pole construction and can be mounted in any single-pole space which will accept a standard QO. These circuit breakers can be turned ON or OFF or to RESET with a special key included with the circuit breaker. These circuit breakers are UL Listed.



| Amp Rating *                                  | Number of Poles | Mfg. No. | Advanced ID     | Main Wire Size               |
|---|-----------------|----------|-----------------|------------------------------|
| <b>120V AC, 10,000 AIR (1 space required)</b> |                 |          |                 |                              |
| 10  | 1               | QO110K   | <b>93157242</b> | #14-8 Al/Cu or (2) #14-10 Cu |
| 15  | 1               | QO115K   | <b>88242612</b> | #14-8 Al/Cu or (2) #14-10 Cu |
| 20  | 1               | QO120K   | <b>88242632</b> | #14-8 Al/Cu or (2) #14-10 Cu |
| 25  | 1               | QO125K   | <b>88242639</b> | #14-8 Al/Cu or (2) #14-10 Cu |
| 30  | 1               | QO130K   | <b>88242655</b> | #14-8 Al/Cu or (2) #14-10 Cu |

\* 10-30A circuit breakers are suitable for use with 60°C or 75°C conductors. 35-60A circuit breakers are suitable for use with 75°C conductors.

**QO® - SWN**

**Plug-on Circuit Breakers**

**Class 685, 690, 730, 912, 950**

Square D®



Two-Wire QO-SWN



Three-Wire QO-SWN

Switch Neutral Common Trip 2002 NEC® 514.11.

| Amp Rating *  | Number of Poles | Mfg. No. | Advanced ID     | Main Wire Size              |
|---|-----------------|----------|-----------------|-----------------------------|
| <b>2-Wire, 120V AC, 10,000 AIR, 2 Spaces required</b> |                 |          |                 |                             |
| 10  | 2               | QO210SWN | <b>93171258</b> | #14-8 Al/Cu or (2) #14-10Cu |
| 15  | 2               | QO215SWN | <b>88242775</b> | #14-8 Al/Cu or (2) #14-10Cu |
| 20  | 2               | QO220SWN | <b>88242784</b> | #14-8 Al/Cu or (2) #14-10Cu |
| 25  | 2               | QO225SWN | <b>96066450</b> | #14-8 Al/Cu or (2) #14-10Cu |
| 30  | 2               | QO230SWN | <b>88242799</b> | #14-8 Al/Cu or (2) #14-10Cu |
| 40  | 2               | QO240SWN | <b>88242811</b> | #8-2 Al/Cu                  |
| 50  | 2               | QO250SWN | <b>88242838</b> | #8-2 Al/Cu                  |

|   |   |          |                 |             |
|---|---|----------|-----------------|-------------|
| <b>3-Wire, 120/240V AC, 10,000 AIR, 3 Spaces required</b> |   |          |                 |             |
| 10  | 3 | QO310SWN | <b>96066452</b> | #14-8 Al/Cu |
| 15  | 3 | QO315SWN | <b>88242905</b> | #14-8 Al/Cu |
| 20  | 3 | QO320SWN | <b>88242910</b> | #14-8 Al/Cu |
| 25  | 3 | QO325SWN | <b>96066453</b> | #14-8 Al/Cu |
| 30  | 3 | QO330SWN | <b>88242919</b> | #14-8 Al/Cu |
| 40  | 3 | QO340SWN | <b>96066454</b> | #8-2 Al/Cu  |
| 50  | 3 | QO350SWN | <b>96066456</b> | #8-2 Al/Cu  |

\* 10-30A circuit breakers are suitable for use with 60°C or 75°C conductors.  
35-60A circuit breakers are suitable for use with 75°C conductors.

**QO®**

**VISI-TRIP® Indicator**

**Class 730, 731, 733**

Square D®



QO 1-Pole 1 Space Required



QO 2-Pole 2 Spaces Required



QO 3-Pole 3 Spaces Required



QO2200 2-Pole 4 Spaces Required

Square D QO miniature circuit breakers are plug-on products for use in QO load centers, NQOD panelboards, NQOD OEM interiors or Speed-D® switchboard distribution panels.

| Amp Rating *  | Number of Poles | Mfg. No. | Advanced ID | Main Wire Size |
|---|-----------------|----------|-------------|----------------|
| <b>QO Plug-On Circuit Breakers - UL Listed Amperes Interrupting Rating (AIR) in Amperes RMS Symmetrical</b> |                 |          |             |                |

**10,000 AIR - 120/240V AC**

|     |   |             |                 |                              |
|-----|---|-------------|-----------------|------------------------------|
| 10  | 1 | QO110       | <b>88242605</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 15  | 1 | QO115 † **  | <b>88242607</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 20  | 1 | QO120 † **  | <b>88242626</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 25  | 1 | QO125 †     | <b>88242636</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 30  | 1 | QO130 †     | <b>88242652</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 35  | 1 | QO135 †     | <b>88242659</b> | #8-2 Al/Cu                   |
| 40  | 1 | QO140 †     | <b>88242662</b> | #8-2 Al/Cu                   |
| 45  | 1 | QO145 †     | <b>88242665</b> | #8-2 Al/Cu                   |
| 50  | 1 | QO150 †     | <b>88242667</b> | #8-2 Al/Cu                   |
| 60  | 1 | QO160 †     | <b>88242683</b> | #8-2 Al/Cu                   |
| 70  | 1 | QO170 †     | <b>88242699</b> | #8-2 Al/Cu                   |
| 10  | 2 | QO210 †     | <b>88242754</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 15  | 2 | QO215 †     | <b>88242768</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 20  | 2 | QO220 †     | <b>88242778</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 25  | 2 | QO225 †     | <b>88242788</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 30  | 2 | QO230 †     | <b>88242794</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 35  | 2 | QO235 †     | <b>88242803</b> | #8-2 Al/Cu                   |
| 40  | 2 | QO240 †     | <b>88242806</b> | #8-2 Al/Cu                   |
| 45  | 2 | QO245 †     | <b>88242813</b> | #8-2 Al/Cu                   |
| 50  | 2 | QO250 †     | <b>88242833</b> | #8-2 Al/Cu                   |
| 60  | 2 | QO260 †     | <b>88242840</b> | #8-2 Al/Cu                   |
| 70  | 2 | QO270 †     | <b>88242848</b> | #8-2 Al/Cu                   |
| 80  | 2 | QO280 †     | <b>88242854</b> | #4-2/0 Al/Cu                 |
| 90  | 2 | QO290 †     | <b>88242856</b> | #4-2/0 Al/Cu                 |
| 100 | 2 | QO2100 †    | <b>88242755</b> | #4-2/0 Al/Cu                 |
| 110 | 2 | QO2110 †    | <b>88242761</b> | #4-2/0 Al/Cu                 |
| 125 | 2 | QO2125 †    | <b>88242762</b> | #4-2/0 Al/Cu                 |
| 150 | 2 | QO2150 † †† | <b>22071052</b> | #4-300 Al/Cu                 |
| 175 | 2 | QO2175 † †† | <b>22071054</b> | #4-300 Al/Cu                 |
| 200 | 2 | QO2200 † †† | <b>22069844</b> | #4-300 Al/Cu                 |

**10,000 AIR - 240V AC**

|    |   |          |                 |                              |
|----|---|----------|-----------------|------------------------------|
| 15 | 2 | QO215H † | <b>88242774</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 20 | 2 | QO220H † | <b>88242783</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 25 | 2 | QO225H † | <b>88242792</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 30 | 2 | QO230H † | <b>88242798</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 40 | 2 | QO240H † | <b>88242810</b> | #8-2 Al/Cu                   |

Continued ➤

### QO® VISI-TRIP® Indicator Class 730, 731, 733

Square D®

| Amp Rating* | Number of Poles | Mfg. No. | Advanced ID | Main Wire Size |
|-------------|-----------------|----------|-------------|----------------|
|-------------|-----------------|----------|-------------|----------------|

#### QO Plug-On Circuit Breakers - UL Listed Amperes Interrupting Rating (AIR) in Amperes RMS Symmetrical

##### 10,000 AIR - 240V AC

|     |   |           |                 |              |
|-----|---|-----------|-----------------|--------------|
| 50  | 2 | QO250H †  | <b>88242837</b> | #8-2 Al/Cu   |
| 60  | 2 | QO260H †  | <b>88242844</b> | #8-2 Al/Cu   |
| 70  | 2 | QO270H †  | <b>88242850</b> | #8-2 Al/Cu   |
| 80  | 2 | QO280H †  | <b>88242855</b> | #4-300 Al/Cu |
| 90  | 2 | QO290H †  | <b>88242857</b> | #4-300 Al/Cu |
| 100 | 2 | QO2100H † | <b>88242756</b> | #4-300 Al/Cu |
| 10  | 3 | QO310     | <b>88242892</b> | #14-8 Al/Cu  |
| 15  | 3 | QO315 ‡   | <b>88242902</b> | #14-8 Al/Cu  |
| 20  | 3 | QO320 ‡   | <b>88242907</b> | #14-8 Al/Cu  |
| 25  | 3 | QO325 ‡   | <b>88242913</b> | #14-8 Al/Cu  |
| 30  | 3 | QO330 ‡   | <b>88242916</b> | #14-8 Al/Cu  |
| 35  | 3 | QO335 ‡   | <b>88242922</b> | #8-2 Al/Cu   |
| 40  | 3 | QO340 ‡   | <b>88242924</b> | #8-2 Al/Cu   |
| 45  | 3 | QO345 ‡   | <b>88242928</b> | #8-2 Al/Cu   |
| 50  | 3 | QO350 ‡   | <b>88242930</b> | #8-2 Al/Cu   |
| 60  | 3 | QO360 ‡   | <b>88242934</b> | #8-2 Al/Cu   |
| 70  | 3 | QO370 ‡   | <b>88242937</b> | #8-2 Al/Cu   |
| 80  | 3 | QO380 ‡   | <b>88242938</b> | #4-2/0 Al/Cu |
| 90  | 3 | QO390 ‡   | <b>88242939</b> | #4-2/0 Al/Cu |
| 100 | 3 | QO3100 ‡  | <b>88242893</b> | #4-2/0 Al/Cu |

##### 22,000 AIR - 120/240V AC

|     |   |                  |                 |                              |
|-----|---|------------------|-----------------|------------------------------|
| 15  | 1 | QO115VH ‡ **     | <b>88242613</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 20  | 1 | QO120VH ‡ **     | <b>88242633</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 25  | 1 | QO130VH ‡        | <b>88242656</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 30  | 1 | QO125VH ‡        | <b>88242640</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 15  | 2 | QO215VH ‡ ●      | <b>88242776</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 20  | 2 | QO220VH ‡ ●      | <b>88242785</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 25  | 2 | QO225VH ‡ ●      | <b>88242793</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 30  | 2 | QO230VH ‡ ●      | <b>88242800</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 40  | 2 | QO240VH ‡ ●      | <b>88292854</b> | #8-2 Al/Cu                   |
| 50  | 2 | QO250VH ‡ ●      | <b>88292855</b> | #8-2 Al/Cu                   |
| 60  | 2 | QO260VH ‡ ●      | <b>88292856</b> | #8-2 Al/Cu                   |
| 70  | 2 | QO270VH ‡ ●      | <b>88292857</b> | #8-2 Al/Cu                   |
| 80  | 2 | QO280VH ‡ ●      | <b>88292858</b> | #4-300 Al/Cu                 |
| 90  | 2 | QO290VH ‡ ●      | <b>88292874</b> | #4-300 Al/Cu                 |
| 100 | 2 | QO2100VH ‡ ●     | <b>88286182</b> | #4-300 Al/Cu                 |
| 110 | 2 | QO2110VH ‡ ● ○   | <b>88311929</b> | #4-300 Al/Cu                 |
| 125 | 2 | QO2125VH ‡ ● ○   | <b>88283872</b> | #4-300 Al/Cu                 |
| 150 | 2 | QO2150VH ‡ † † ● | <b>22071053</b> | #4-300 Al/Cu                 |
| 175 | 2 | QO2175VH ‡ † † ● | <b>22071055</b> | #4-300 Al/Cu                 |
| 200 | 2 | QO2200VH ‡ † † ● | <b>22071056</b> | #4-300 Al/Cu                 |

##### 22,000 AIR - 240V AC

|    |   |             |                 |              |
|----|---|-------------|-----------------|--------------|
| 15 | 3 | QO315VH ‡ ● | <b>88242906</b> | #14-8 Al/Cu  |
| 20 | 3 | QO320VH ‡ ● | <b>88242911</b> | #14-8 Al/Cu  |
| 25 | 3 | QO325VH ‡ ● | <b>88242915</b> | #14-8 Al/Cu  |
| 30 | 3 | QO330VH ‡ ● | <b>88242920</b> | #14-8 Al/Cu  |
| 40 | 3 | QO340VH ‡ ● | <b>88292869</b> | #8-2 Al/Cu   |
| 50 | 3 | QO350VH ‡ ● | <b>88292870</b> | #8-2 Al/Cu   |
| 60 | 3 | QO360VH ‡ ● | <b>88292871</b> | #8-2 Al/Cu   |
| 70 | 3 | QO370VH ‡ ● | <b>88292872</b> | #8-2 Al/Cu   |
| 80 | 3 | QO380VH ‡ ● | <b>88292873</b> | #4-2/0 Al/Cu |

Continued ▶

| Amp Rating* | Number of Poles | Mfg. No. | Advanced ID | Main Wire Size |
|-------------|-----------------|----------|-------------|----------------|
|-------------|-----------------|----------|-------------|----------------|

#### QO Plug-On Circuit Breakers - UL Listed Amperes Interrupting Rating (AIR) in Amperes RMS Symmetrical

##### 22,000 AIR - 240V AC

|     |   |              |                 |              |
|-----|---|--------------|-----------------|--------------|
| 90  | 3 | QO390VH ‡ ●  | <b>95042013</b> | #4-2/0 Al/Cu |
| 100 | 3 | QO3100VH ‡ ● | <b>88311930</b> | #4-2/0 Al/Cu |

\* 10-30A circuit breakers are suitable for use with 60°C or 75°C conductors. 35-125A circuit breakers are suitable for use with 75°C conductors.

† UL Listed 5000 AIR on corner grounded Delta systems.

‡ UL Listed as HACR type for use with air conditioning, heating and refrigeration equipment having motor group combinations and marked for use with HACR type circuit breakers.

\*\* UL Listed as SWD (switching duty) rated. Suitable for switching 120V AC fluorescent lighting loads.

†† Requires four spaces (#1-300 kcmil Al/Cu). Not suitable for use in 3-phase panel. Use only in single phase panel rated 150A or greater.

● UL Listed for use ahead of QO, QO-GFI, QO-EPD, QOT, and QO-PL 10,000 AIR circuit breakers to permit their application at 22,000A fault level.

○ 100A maximum branch mounted opposite.

### QOT Tandem Circuit Breakers VISI-TRIP® Indicator Class 730, 731, 733

Square D®



| Amp Rating † | Number of Poles | Mfg. No. | Advanced ID | Main Wire Size |
|--------------|-----------------|----------|-------------|----------------|
|--------------|-----------------|----------|-------------|----------------|

#### 10,000 AIR - 120/240V AC - One Space Required

|           |   |           |                 |                    |
|-----------|---|-----------|-----------------|--------------------|
| 15 and 15 | 1 | QOT1515 * | <b>88243315</b> | #12-8 Al, #14-8 Cu |
| 15 and 20 | 1 | QOT1520 * | <b>88243316</b> | #12-8 Al, #14-8 Cu |
| 20 and 20 | 1 | QOT2020 * | <b>88243318</b> | #12-8 Al, #14-8 Cu |

\* UL Listed as HACR type for use with air conditioning, heating and refrigeration equipment having motor group combinations and marked for use with HACR type circuit breakers.

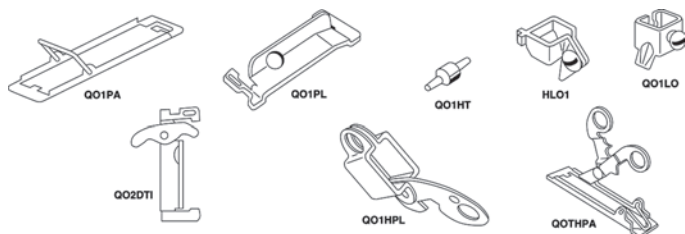
† 10-30A circuit breakers are suitable for use with 60°C or 75°C conductors. 35-125A circuit breakers are suitable for use with 75°C conductors.



## QO® Circuit Breaker Accessories

Square D®

Accessories for use with QO and QOB circuit breakers.



| Mfg. No. | Advanced ID | Description |
|----------|-------------|-------------|
|----------|-------------|-------------|

### Handle Attachments

#### Handle Tie

- QO1HT 88242704** Converts any two adjacent 120/240V AC single QO breakers to independent trip 2-pole.
- QOTHT 88243321** Converts any two adjacent 120/240V AC single-pole side-by-side QO breakers to independent trip 2-pole.

#### Handle Clamp

- QO1LO 88242705** Clamp for holding HOM single-pole handle in 'ON' or 'OFF' position.
- HLO1 88240866** Clamp for holding QO or Q1 either 1, 2 or 3-pole breaker handles in 'ON' or 'OFF' position.

### Handle Padlock Attachment

- QOHPA 89024141** For padlocking single-pole QO breaker in 'ON' or 'OFF' position - loose attachment.
- QO1PA 88242706** For padlocking single-pole QO breaker in 'ON' or 'OFF' position - fixed attachment.
- QOTHPA 88243320** For padlocking single-pole side-by-side QOT breaker in 'ON' or 'OFF' position.
- QO1HPL 88242703** For 2 and 3-pole QO and Q1 breakers which require padlocking in either 'ON' or 'OFF' position. (Not GFI) - Loose attachment.
- QO1PL 88242708** For 2 and 3-pole QO and Q1 breakers which require padlocking in either 'ON' or 'OFF' position. (Not GFI) - Fixed attachment.
- QO2PAF 22091401** For padlocking 2 and 3-pole QO circuit breakers in 'OFF' position only, fixed attachment.
- GFI2PA 97286169** For padlocking 2-pole QO-GFI in either 'ON' or 'OFF' position, fixed attachment.
- QOGFI2PAF** For padlocking 2-pole QO-GFI and QO-EPD circuit breakers in 'OFF' position only, fixed attachment.

### SUB-FEED LUGS

- QO60SL 88243014** 60A 2-pole plug-on - 2 spaces required (#6-2 Al/Cu).
- QO2125SL 88242767** 125A 2-pole plug-on - 2 spaces required (#12-2/0 Al/Cu).
- QO2225SL\* 22071057** 225A 2-pole plug-on - 4 spaces required (#4-300 Al/Cu).
- QO3125SL 88242901** 125A 3-pole plug-on - 3 spaces required (#12-2/0 Al/Cu).

Continued ➤

| Mfg. No. | Advanced ID | Description |
|----------|-------------|-------------|
|----------|-------------|-------------|

### Mechanical Interlock Attachment

- QO2DTI 88242858** For interlocking the handles of two 2-pole or one 2-pole and one single-pole QO and Q1 breakers mounted side-by-side so that only one circuit breaker can be 'ON' at a time (Not QOU).
- QO2DTIM 92100122** QO2DTI mechanical interlock attachment with retaining kits for securing two adjacent back-fed circuit breakers in dual power supply applications. Can be used with (2) 2-poles or (1) 2-pole and (1) single-pole QO circuit breakers in QO816L100 load centers.

\*Not suitable for use in 3-phase panels. Use only in single phase panel rated 150A or greater.

## SURGBREAKER PLUS - Class 6671

Square D®

Transient Voltage Surge Suppressor. Suitable for use in service entrance locations; meets requirements of NEC Article 280, UL Listed 1449, 2nd Edition, and meets ANSI/IEEE C62.41-1991.



### Benefits

- AC Line Protection
- Four Line Telephone (Digital/Analog POTS) Protection
- Two Line Coaxial Protection
- Suitable for Indoor Applications Only
- Flush or Surface Mounting
- LED Status Indicator
- Modular Design

| Mfg. No. | Advanced ID | Voltage | Joule Rating | Surge Rating |
|----------|-------------|---------|--------------|--------------|
|----------|-------------|---------|--------------|--------------|

### Single Phase Three Wire - 120/240V AC

|           |          |             |             |      |
|-----------|----------|-------------|-------------|------|
| SDSB1175C | 99464215 | 120/240V AC | 1360 Joules | 60kA |
|-----------|----------|-------------|-------------|------|

Advanced has branches  
all across North America.  
To reach the branch  
nearest you call  
**1-800-Advanced (479-2277).**



### Hard-Wired Secondary Surge Arrester

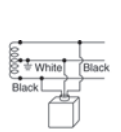
Square D®



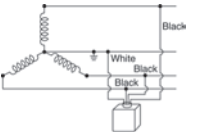
SDSA1175



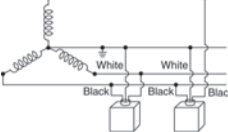
SDSA3650



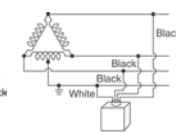
One SDSA1175 on 120/240V AC Circuit



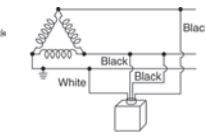
3Ø4W 208Y/120V AC, 480Y/277V AC, 600Y/347V AC



Two SDSA1175 on 208Y/120V AC Circuit



3Ø4W 240/120V AC



3Ø3W Grounded B Phase 240V AC, 480V AC

Suitable for use in service entrance locations; meets requirements of NEC Article 280.

#### Benefits

- cULus Listed and CSA Certified Secondary Surge Arresters
- Meet ANSI/IEEE C62.11-1993
- Suitable for Indoor and Outdoor Applications
- LED Indicates Operational Status

| Mfg. No.   | Advanced ID              | Type              | Voltage Rating | Surge Energy Rating | Surge Current Per Mode | Surge Current Per Phase |
|--|--------------------------|-------------------|----------------|---------------------|------------------------|-------------------------|
| <b>Secondary Surge Arrester - For 1Ø3W systems. 150V AC phase-to-ground maximum.</b> |                          |                   |                |                     |                        |                         |
| SDSA1175   | <a href="#">92142961</a> | For 1Ø 3W systems | 150V AC        | 560 Joules          | -                      | 36kA                    |
| <b>Secondary Surge Arrester - For 3Ø systems. 600V AC phase-to-ground maximum *</b>  |                          |                   |                |                     |                        |                         |
| SDSA3650   | <a href="#">93145021</a> | For 3Ø systems    | 600V AC        | 2100 Joules         | -                      | 40kA                    |

\* Do not use on ungrounded systems. Systems must be solidly grounded.

### SURGEBREAKER - Class 6671

Square D®



QO2175SB



HOM2175SB

Secondary Surge Arrester. Suitable for use in service entrance locations; meets requirements of NEC Article 280.

#### Benefits

- cULus Listed Secondary Surge Arresters; QO2175SB also CSA Certified
- Meet ANSI/IEEE C62.11-1993
- QO2175SB for QO Load Centers and Combination Devices, NQOD Panelboards
- HOM2175SB for HOMELINE Load Centers and Combination Devices
- Plug-On Design Requires Two Pole Spaces
- LED Indicates Operational Status

| Mfg. No.  | Advanced ID              | Type                                | Voltage Rating | Surge Energy Rating | Surge Current Per Mode | Surge Current Per Phase |
|---|--------------------------|-------------------------------------|----------------|---------------------|------------------------|-------------------------|
| <b>QO SURGEBREAKER - 150V AC line-to-ground maximum</b>       |                          |                                     |                |                     |                        |                         |
| QO2175SB  | <a href="#">93145658</a> | Secondary Surge Arrester            | 150V AC        | 900 Joules          | -                      | 27kA                    |
| <b>HOMELINE SURGEBREAKER - 150V AC line-to-ground maximum</b> |                          |                                     |                |                     |                        |                         |
| HOM2175SB   | <a href="#">93145660</a> | Hard-Wired Secondary Surge Arrester | 150V AC        | 900 Joules          | -                      | 27kA                    |

## Surge Arrester

Intermatic, Inc.



AG2401C



AG2083C



AG4803C



AG4801



AG6503C



AG6503L



AG1BRKT

ArresterGuard secondary surge arresters are provided for low-end surge protection at Service Entrances and downstream OEM equipment.

### Benefits

- Designed for Outdoor Installations on Service Entrance and Utility Meter Cabinets
- Approved for Irrigation Equipment, Pumps, Lighting Fixtures and Motors
- Approved for Traffic Signaling Devices, Farm Equipment and HVAC

### Features

- Epoxy Encapsulation Protects Components from Moisture
- Color Coded 18 in Leads
- UL Listed as a Secondary Surge Arrester, ANSI/IEEE C62.11
- 2 Year Product Warranty
- Molded Polycarbonate Housing is Weatherproof and UV Resistant

| Mfg. No. | Advanced ID              | Type  | Voltage Rating                  | Surge Energy Rating | Surge Current Per Mode | Surge Current Per Phase |
|----------|--------------------------|---|---------------------------------|---------------------|------------------------|-------------------------|
| AG2401C  | <a href="#">93144003</a> | Secondary Surge Arrester / Lightning Arrester | 120/240V AC Single Phase        | 320 Joules          | 20 kA L-G              | 40 kA (total system)    |
| AG2083C  | <a href="#">22080209</a> | Secondary Surge Arrester / Lightning Arrester | 120/208V AC Wye                 | 320 Joules          | 20 kA L-G              | 60 kA (total system)    |
| AG2403C  | <a href="#">22080211</a> | Secondary Surge Arrester / Lightning Arrester | 240V AC Three Phase             | 320 Joules          | 20 kA L-G              | 60 kA (total system)    |
| AG4803C  | <a href="#">22080212</a> | Secondary Surge Arrester / Lightning Arrester | 480V AC Three Phase             | 320 Joules          | 20 kA L-G              | 60 kA (total system)    |
| AG4801   | <a href="#">22080208</a> | Secondary Surge Arrester / Lightning Arrester | 277V AC or 480V AC Single Phase | 320 Joules          | 20 kA L-G              | 40 kA (total system)    |
| AG6503C  | <a href="#">94032924</a> | Secondary Surge Arrester / Lightning Arrester | Up to 600V AC Three Phase       | 1,500 Joules        | 20 kA L-G              | 60 kA (total system)    |
| AG6503L  | <a href="#">97144725</a> | Secondary Surge Arrester / Lightning Arrester | Up to 600V AC Three Phase       | 1,500 Joules        | 20 kA L-G              | 60 kA (total system)    |
| AG1BRKT  | -                        | Accessory (Mounting Bracket)                  | -                               | -                   | -                      | -                       |

### MP Meter-Pak™ Meter Centers

Square D®



#### Ring and Ringless Type Devices

- Consult local utility for approval before installation.
- 120/240 Vac 1 Phase 3 Wire.
- Main lugs only—two to six meter sockets.
- Enclosures are indoor/rainproof NEMA 3R construction.
- Suitable only for use as service equipment.
- Swingable mounting feet supplied at bottom of device.
- Factory installed mechanical lugs, alternate lugs and NEMA/EUSERC lug landing kits available.
- Surface mount, convertible to semi-flush with field installed flange kit.
- Ring type devices supplied with 4-jaw meter sockets (5th jaw kits available, order separately).
- Ringless type devices supplied with 5-jaw meter sockets, available with and without horn or lever bypass.
- Provisions for mounting 2-pole circuit breaker for each meter socket position (order circuit breakers separately).
- Mounting channel supplied, except for box 1R (125 A, 2-position).
- Combination overhead/underground feed.

#### Step 1: Select Ring or Ringless Type MP Meter-Pak Metering Equipment

##### Ring Type MP Meter-Pak Metering Equipment with 125 A (42k RMS Symmetrical Amperes Maximum SCCR) or 200 A (22k RMS Symmetrical Amperes Maximum SCCR) Meter Socket Positions

| Amps per Pos. | No. of Pos. | Factory Installed Main Lug Ampacity | Main Bus Ampacity | Catalog Number | Advanced ID | Line Lug Wire Size Al/Cu AWG/kcmil | Circuit Breaker Type (2-Pole) | Hub Prov. | Semi-Flush Flange Kit | Wt Lbs |
|---------------|-------------|-------------------------------------|-------------------|----------------|-------------|------------------------------------|-------------------------------|-----------|-----------------------|--------|
| 125           | 2           | 200                                 | 200               | MP22125*       | 88241653    | (1) 4-250                          | QO, QO-VH, QOH                | A/B300    | MPSF12                | 46     |
|               | 3           | 300                                 | 300               | MP33125†       | 92104593    | (1) 1/0-600 or (2) 1/0-250         |                               | A-L       | MPSF14                | 95     |
|               | 4           | 400                                 | 400               | MP44125†       | 88241657    | (1) 1/0-600 or (2) 1/0-250         |                               | A-L       | MPSF14                | 97     |
|               | 5           | 400 Al<br>500 Cu                    | 500               | MP55125†       | 97114272    | (1) 1/0-600 or (2) 1/0-250         |                               | A-L       | MPSF16                | 130    |
|               | 6           | 400 Al<br>500 Cu                    | 600               | MP66125†       | 88241679    | (1) 1/0-600 or (2) 1/0-250         |                               | A-L       | MPSF16                | 132    |
| 200           | 2           | 400                                 | 400               | MP42200†       | 97220622    | (1) 1/0-600 or (2) 1/0-250         | QOM2-MM, QOM2-MVH             | A-L       | MPSF23                | 99     |
|               | 3           | 400                                 | 400               | MP43200†       | 97252005    | (1) 1/0-600 or (2) 1/0-250         |                               |           | MPSF23                | 99     |
|               | 4           | 400                                 | 600               | MP64200†       | 97252006    | (1) 1/0-600 or (2) 1/0-250         |                               |           | MPSF24                | 135    |
|               | 5           | 600 Al, 750 Cu                      | 800               | MP85200†       | 97252008    | (2) 3/0-500                        |                               |           | MPSF26                | 173    |
|               | 6           | 600 Al, 750 Cu                      | 800               | MP86200†       | 97252007    | (2) 3/0-500                        |                               |           | MPSF26                | 173    |

\* Meets EUSERC standards.

† Meets EUSERC standards with addition of lug landing kit, MMSK2.

##### Ringless Type MP Meter-Pak Metering Equipment with 125 A (42k RMS Symmetrical Amperes Maximum SCCR) or 200 A Type MPR, MPH (22k RMS Symmetrical Amperes Maximum SCCR) or 225 A Type MPL (100k RMS Symmetrical Amperes Maximum SCCR) Meter Socket Positions

| Amps Per Pos. | No. of Pos. | Factory Installed Main Lugs Ampacity | Main Bus Ampacity | No. Bypass Catalog Number | Advanced ID | Horn Bypass Catalog Number | Advanced ID | Lever Bypass Catalog Number | Advanced ID | Line Lug Wire Size Al/Cu AWG/kcmil | Circuit Breaker Type (2-Pole)       | Hub Prov. | Semi-Flush Flange Kit | Wt Lbs |
|---------------|-------------|--------------------------------------|-------------------|---------------------------|-------------|----------------------------|-------------|-----------------------------|-------------|------------------------------------|-------------------------------------|-----------|-----------------------|--------|
| 125           | 2           | 200                                  | 200               | MPR22125                  | 97185189    | MPH22125                   | 97185184    | —                           | —           | (1) 4-250                          | QO, QO-VH, QOH                      | A/B300    | MPSF12                | 46     |
|               | 3           | 300                                  | 300               | MPR33125                  | 97185190    | MPH33125                   | 97185185    | —                           | —           | (1) 1/0-600 or (2) 1/0-250         |                                     |           | MPSF14                | 95     |
|               | 4           | 400                                  | 400               | MPR44125                  | 97185192    | MPH44125                   | 97185186    | —                           | —           | (1) 1/0-600 or (2) 1/0-250         |                                     |           | MPSF14                | 97     |
|               | 5           | 400 Al<br>500 Cu                     | 500               | MPR55125                  | 97185194    | MPH55125                   | 97185187    | —                           | —           | (1) 1/0-600 or (2) 1/0-250         |                                     |           | MPSF16                | 130    |
|               | 6           | 400 Al<br>500 Cu                     | 600               | MPR66125                  | 97185196    | MPH66125                   | 97185188    | —                           | —           | (1) 1/0-600 or (2) 1/0-250         |                                     |           | MPSF16                | 132    |
| 200           | 2           | 400                                  | 400               | MPR42200                  | 99424733    | MPH42200                   | 99532774    | —                           | —           | (1) 1/0-600 or (2) 1/0-250         | QOM2-MM, QOM2-MVH                   | A-L       | MPSF23                | 99     |
|               | 3           | 400                                  | 400               | MPR43200                  | 98289287    | MPH43200                   | 98289290    | —                           | —           |                                    |                                     |           | MPSF23                | 99     |
|               | 4           | 400                                  | 600               | MPR64200                  | 99525638    | MPH64200                   | 99450389    | —                           | —           |                                    |                                     |           | MPSF24                | 135    |
| 225           | 2           | 300                                  | 300               | —                         | —           | —                          | —           | MPL32225                    | 22083427    | (1) 1/0-600 or (2) 1/0-250         | QB, QD, QG, QJ, QO‡, QO-VH‡ or QOH‡ | A-L       | N/A                   | 105    |
|               | 3           | 400                                  | 400               | —                         | —           | —                          | —           | MPL53225                    | 22091849    |                                    |                                     |           | N/A                   | 147    |
|               | 4           | 400                                  | 600               | —                         | —           | —                          | —           | MPL64225                    | 22083425    |                                    |                                     |           | N/A                   | 200    |
| 200           | 5           | 600 Al, 750 Cu                       | 800               | MPR85200                  | 99891819    | MPH85200                   | 99569927    | —                           | —           | (2) 3/0-500                        | QOM2-MM, QOM2-MVH                   | A-L       | MPSF26                | 173    |
|               | 6           | 600 Al, 750 Cu                       | 800               | MPR86200                  | 99525639    | MPH86200                   | 99532792    | —                           | —           |                                    |                                     |           | MPSF26                | 173    |

‡ Requires use of EZM125QQA adapter (order separately).

**UL Listed short circuit current rating depends on lowest interrupting rating of circuit breaker installed.**

## EZ Meter-Pak® Meter Centers

### Single-Phase - Indoor/Rainproof

### Main Devices

Square D®

#### 1Ø3W EZ Meter-Pak Meter Centers— UL Listed

- ① Select EZM single phase main device with an equal or higher short circuit rating than the application.
- ② Select EZM single phase branch units.
- ③ Select proper 2-pole type QO, QO-VH, QOH, QBP-TM, QDP-TM, QGP-TM or QJP-TM branch circuit breakers for use as tenant mains in branch unit.
- ④ Select accessories as required.



EZM1800CB



EZM1800CBU

#### ① Main Devices—NEMA 3R Construction Overhead/Underground Feed

| System Type | Ampere Rating | Horizontal Cross Bus Rating and Bus Bar Material | Catalog Number | Width | Advanced ID | Line Side Lug and Wire Size (AWG-kcmil) Conductor Qty. per Phase and Neutral (Factory Installed) |
|-------------|---------------|--|----------------|-------|-------------|--|
|-------------|---------------|--|----------------|-------|-------------|--|

##### Main Circuit Breakers (1Ø Incoming and 1Ø Outgoing)

65,000 RMS Symmetrical Ampere Short Circuit Current Rating (400-1600 A Max.)

100,000 RMS Symmetrical Ampere Short Circuit Current Rating (2000 A Max.)

|                     |      |              |               |       |          |                          |
|---------------------|------|--------------|---------------|-------|----------|--------------------------|
| 1Ø3W<br>120/240 Vac | 400  | 800 A Al     | EZM1400CB††   | 18.66 | 99419076 | (1) #1-600 or (2) #1-250 |
|                     | 600  | 800 A Al     | EZM1600CB††   | 18.66 | 99419077 | (3) 3/0-500              |
|                     | 800  | 800 A Al     | EZM1800CB††   | 18.66 | 99419078 | (3) 3/0-500              |
|                     | 1000 | 1000 A Al    | EZM11000CB††■ | 18.66 | 99431613 | (3) 3/0-500              |
|                     | 1200 | 1200 A Al/Cu | EZM11200CB●○  | 30.19 | 99488049 | (4) 1/0-750              |
|                     | 1600 | 1200 A Al/Cu | EZM11600CB●○  | 30.19 | 99488050 | (6) 1/0-750              |

##### Main Fusible Switches (1Ø Incoming and 1Ø Outgoing)—

100,000 RMS Symmetrical Ampere Short Circuit Current Rating

Requires 300 Vac Class T Fuses (Order Separately)

|                     |      |              |             |       |          |                          |
|---------------------|------|--------------|-------------|-------|----------|--------------------------|
| 1Ø3W<br>120/240 Vac | 400  | 800 A Al     | EZM1400FS   | 18.66 | 99417982 | (1) #1-600 or (2) #1-250 |
|                     | 600  | 800 A Al     | EZM1600FS   | 18.66 | 99431436 | (3) 3/0-500              |
|                     | 800  | 800 A Al     | EZM1800FS   | 18.66 | 99431610 | (3) 3/0-500              |
|                     | 1200 | 1200 A Al/Cu | EZM11200FS○ | 30.19 | 99488051 | (4) 1/0-750              |

##### Main Lugs Terminal Boxes (1Ø Incoming and 1Ø Outgoing)†:

|                     |      |           |             |       |          |                            |
|---------------------|------|-----------|-------------|-------|----------|----------------------------|
| 1Ø3W<br>120/240 Vac | 400  | 800 A Al  | EZM1400TB   | 18.66 | 99446543 | (2) 3/0-500                |
|                     | 600  | 800 A Al  | EZM1600TB   | 17.00 | 25024920 | (1) 350-750 or (2) 1/0-300 |
|                     | 800  | 800 A Al  | EZM1800TB   | 23.93 | 99419079 | (4) 3/0-500                |
|                     | 1600 | 1200 A Al | EZM11600TB○ | 22.33 | 99517513 | (6) 3/0-600                |

#### Underground Feed Only

| System Type | Ampere Rating | Horizontal Cross Bus Rating and Bus Bar Material | Catalog Number Meets EUSERC Requirements | Width | Advanced ID | Factory Installed Lug Landings For Use with Crimp-Type Lugs (2-Hole Mounting) Qty. per Phase and Neutral* |
|-------------|---------------|--|--|-------|-------------|---|
|-------------|---------------|--|--|-------|-------------|---|

##### Main Circuit Breakers (1Ø Incoming and 1Ø Outgoing)

65,000 RMS Symmetrical Ampere Short Circuit Current Rating (400-800 A Max.)

100,000 RMS Symmetrical Ampere Short Circuit Current Rating (1000-2000 A Max.)

|                     |      |              |                 |       |          |                           |
|---------------------|------|--------------|-----------------|-------|----------|---------------------------|
| 1Ø3W<br>120/240 Vac | 400  | 800 A Al     | EZM1400CBU††    | 20.46 | 99433864 | 1 (Order Lugs Separately) |
|                     | 600  | 800 A Al     | EZM1600CBU††    | 20.46 | 99433866 | 2 (Order Lugs Separately) |
|                     | 800  | 800 A Al     | EZM1800CBU††    | 20.46 | 99433868 | 2 (Order Lugs Separately) |
|                     | 1000 | 1000 A Al    | EZM11000CBU ††■ | 34.19 | 99488870 | 3 (Order Lugs Separately) |
|                     | 1200 | 1200 A Al/Cu | EZM11200CBU--○  | 34.19 | 99488869 | 3 (Order Lugs Separately) |
|                     | 1600 | 1200 A Al/Cu | EZM11600CBU●○□  | 30.19 | 22080403 | 6 (Order Lugs Separately) |

##### Main Fusible Switches (1Ø Incoming and 1Ø Outgoing)—

100,000 RMS Symmetrical Ampere Short Circuit Current Rating

Requires 300 Vac Class T Fuses (Order Separately)

|                     |      |              |              |       |          |                           |
|---------------------|------|--------------|--------------|-------|----------|---------------------------|
| 1Ø3W<br>120/240 Vac | 400  | 800 A Al     | EZM1400FSU   | 20.46 | 99433865 | 1 (Order Lugs Separately) |
|                     | 600  | 800 A Al     | EZM1600FSU   | 20.46 | 99433867 | 2 (Order Lugs Separately) |
|                     | 800  | 800 A Al     | EZM1800FSU   | 20.46 | 99433869 | 2 (Order Lugs Separately) |
|                     | 1200 | 1200 A Al/Cu | EZM11200FSU○ | 34.19 | 99517512 | 3 (Order Lugs Separately) |

##### Main Lugs Terminal Boxes (1Ø Incoming and 1Ø Outgoing)†:

|                     |      |              |              |       |          |                           |
|---------------------|------|--------------|--------------|-------|----------|---------------------------|
| 1Ø3W<br>120/240 Vac | 400  | 800 A Al     | EZM1400TBU   | 16.16 | 22091581 | 1 (Order Lugs Separately) |
|                     | 800  | 800 A Al     | EZM1800TBU   | 24.16 | 22091584 | 2 (Order Lugs Separately) |
|                     | 1200 | 1200 A Al/Cu | EZM11200TBU□ | 32.16 | 22070428 | 3 (Order Lugs Separately) |

\* For mechanical lugs (3/0 to 600 kcmil) order kit catalog number CMELK4. Kit includes 4 lugs only. Multiple kits may be required, consult factory. For crimp-type lugs refer to Anderson Electrical Connector Products Catalog AEC-40R.

† Has a 100,000 RMS symmetrical ampere short circuit current rating.

‡ Tap box is suitable for use on LINE or LOAD side of service equipment. Supplied with isolated neutral and provided with neutral bonding kit for use as required.

\*\* Does not meet EUSERC Standards. Not UL Listed.

†† Available by special order with main circuit breaker supplied with other standard ampere ratings, consult local Advanced Office.

● Ampere rating of the PA circuit breaker supplied with this main can be changed in field by ordering a different set of rating columns.

○ Supplied with copper horizontal bus bars and aluminum vertical bus bars.

■ May be end mounted to feed branch units with 800 A or 1200 A horizontal cross bus.

□ 225 A tap box supplied with isolated neutral that cannot be bonded.

### EZ Meter-Pak<sup>®</sup> Meter Centers Single-Phase - Indoor/Rainproof Branch Devices

Square D<sup>®</sup>



EZMH114125



EZML113225



EZMT112225

#### 1Ø3W EZ Meter-Pak Meter Centers — UL Listed

##### ② Branch Devices—NEMA 3R Construction

##### Branch Units—1Ø Incoming and 1Ø Outgoing

| System Type   | Width (IN) | Number of Meter Sockets | Horizontal Cross Bus Rating and Bus Bar Material | Ring Type 4-Jaw Meter Socket* |                          | Ringless Type 5-Jaw Meter Socket |                          | Ringless Type 5-Jaw Meter Socket with Horn Bypass |                          |
|---|------------|-------------------------|--|-------------------------------|--------------------------|----------------------------------|--------------------------|---|--------------------------|
|   |            |                         |  | Catalog Number                | Advanced ID              | Catalog Number                   | Advanced ID              | Catalog Number                                    | Advanced ID              |
| <b>125 A Maximum (Order Type QO, QO-VH or QOH Circuit Breakers Separately)●</b> |            |                         |  |                               |                          |                                  |                          |   |                          |
| 1Ø3W<br>120/240 Vac<br>2-Pole Branch<br>Circuit Breakers                        | 12.25      | 3                       | 800 A AI   | EZM113125                     | <a href="#">99419074</a> | EZMR113125                       | <a href="#">99692117</a> | EZMH113125  | <a href="#">99544933</a> |
|   |            | 4                       | 800 A AI   | EZM114125                     | <a href="#">99419075</a> | EZMR114125                       | <a href="#">99434540</a> | EZMH114125  | <a href="#">99507547</a> |
|   |            | 5                       | 800 A AI   | EZM115125                     | <a href="#">99521565</a> | EZMR115125                       | <a href="#">99434541</a> | EZMH115125  | <a href="#">99517516</a> |
|   |            | 6                       | 800 A AI   | EZM116125                     | <a href="#">99578049</a> | EZMR116125                       | <a href="#">99692120</a> | EZMH116125  | <a href="#">99517517</a> |

##### 225 A Maximum Branch Units (Order Type QB, QD, QG or QJ Circuit Breakers Separately)●■

|  |       |   |             |           |                          |            |                          |            |                          |
|--|-------|---|-------------|-----------|--------------------------|------------|--------------------------|------------|--------------------------|
| 1Ø3W<br>120/240 Vac<br>2-Pole Branch<br>Circuit Breakers | 17.38 | 2 | 800 A AI    | EZM112225 | <a href="#">22085073</a> | EZMR112225 | <a href="#">22091773</a> | EZMH112225 | <a href="#">22091668</a> |
|  |       | 3 | 800 A AI    | EZM113225 | <a href="#">22078126</a> | EZMR113225 | <a href="#">22084135</a> | EZMH113225 | <a href="#">22083428</a> |
|  |       | 4 | 800 A AI    | EZM114225 | <a href="#">22079493</a> | EZMR114225 | <a href="#">22084136</a> | EZMH114225 | <a href="#">22085286</a> |
|  |       | 5 | 800 A AI/CU | EZM115225 | <a href="#">22080404</a> | EZMR115225 | <a href="#">22084137</a> | EZMH115225 | <a href="#">25063690</a> |

##### 225 A Maximum Commercial Branch Units (Order Type QB, QD, QG or QJ Circuit Breakers Separately)■

| System Type  | Number of Meter Sockets | Horizontal Cross Bus Rating and Bus Bar Material | Ringless Type 5-Jaw Meter Socket with Lever Bypass and Jaw Release†† |            |                          | Ring Type 5-Jaw Meter Socket with Test Block Bypass. Meets EUSERC Requirements |            |                          |
|--|-------------------------|--|--|------------|--------------------------|--|------------|--------------------------|
|  |                         |  | Catalog Number   | Width (IN) | Advanced ID              | Catalog Number   | Width (IN) | Advanced ID              |
| 1Ø3W<br>120/240 Vac<br>2-Pole Branch<br>Circuit Breakers | 1                       | 1200 A AI/Cu                                     | EZML111225‡  | 19.44      | <a href="#">22091729</a> | EZMT111225‡  | 22.42      | <a href="#">22091831</a> |
|  | 2                       | 1200 A AI/Cu                                     | EZML112225‡  | 19.44      | <a href="#">22079048</a> | EZMT112225‡  | 22.42      | <a href="#">22091833</a> |
|  | 3                       | 1200 A AI/Cu                                     | EZML113225‡  | 19.44      | <a href="#">22077029</a> | EZMT113225‡○   | 22.42      | <a href="#">22091835</a> |
|  | 4                       | 1200 A AI/Cu                                     | EZML114225‡  | 19.44      | <a href="#">22078571</a> | —  | —          | —                        |

##### 400 A Maximum Commercial Branch Units

| System Type  | Number of Meter Sockets | Main Cross Bus Rating and Bus Bar Material | Ringless Type 5-Jaw Meter Socket with Lever Bypass and Jaw Release—400 A Type LAL Branch Circuit Breaker Included Factory Installed.**†† |            |                          | Ringless Type K Bolt-On 4-Jaw Meter Socket with Manual Bypass—400 A Type DJM Branch Circuit Breaker Included Factory Installed. Ampere rating field adjustable from 160 A–400 A.** |            |                          |
|--|-------------------------|--|--|------------|--------------------------|--|------------|--------------------------|
|  |                         |  | Catalog Number   | Width (IN) | Advanced ID              | Catalog Number   | Width (IN) | Advanced ID              |
| 1Ø3W<br>120/240 Vac<br>2-Pole Branch<br>Circuit Breakers | 1                       | 1200 A Cu                                  | EZML111400   | 23.21      | <a href="#">22084331</a> | EZMK111400   | 27.56      | <a href="#">22091720</a> |
|  | 2                       | 1200 A Cu                                  | EZML112400   | 23.21      | <a href="#">22091721</a> | EZMK112400   | 27.56      | <a href="#">22091721</a> |

- \* Snap-on aluminum sealing rings supplied as standard.
- ‡ Supplied with bondable neutral, suitable for use as service equipment. Use main lugs tapbox type EZM-TBU for 6-Sub Division Rule applications to feed this device. Supplied with copper horizontal bus bars and aluminum vertical bus bars.
- \*\* DJM circuit breaker has adjustable trip settings from 160–400 A. Seal kit, catalog number 29375, if required.
- †† Supplied with Class 320 lever bypass meter socket. Utilizes anti-inversion clip kit, catalog number MMLRK, if required.
- For 1200 A main cross bus add suffix "X" to catalog number (Example: EZM314125X).
- Does not meet EUSERC 48" minimum / 75" maximum meter height requirements for outdoor installations.
- This device measures 37" minimum / 75" maximum. EUSERC indoor requirements are 36" minimum / 75" maximum.
- 2-pole type QO (70–125 A, 10 kA max. meter center SCCR) or QO-VH & QO-H (40–60 A, 100 kA max. meter center SCCR) may be installed using EZM125QQA adapter kit.



## EZ Meter-Pak® Meter Centers

### 3-Phase - Indoor/Rainproof

### Main Devices

Square D®

#### 3Ø4W EZ Meter-Pak Meter Centers— UL Listed

- ① Select three phase EZM main device with an equal or higher short circuit rating than the application.
- ② Select EZM three phase branch units..
- ③ Select proper 2-pole type QO, QO-VH, QOH, QBP-TM, QDP-TM, QGP-TM or QJP-TM or 3-pole QBP-TM, QDP-TM, QGP-TM or QJP-TM branch circuit breakers for use as tenant mains in branch unit.
- ④ Select accessories as required.



EZM3600FS



EZM31600CB

#### ① Main Devices—NEMA 3R Construction

##### Overhead/Underground Feed

| System Type | Ampere Rating | Horizontal Cross Bus Rating and Bus Bar Material | Catalog Number | Width | Advanced ID | Line Side Lug and Wire Size (AWG-kcmil) Conductor Qty. per Phase and Neutral (Factory Installed) |
|-------------|---------------|--|----------------|-------|-------------|--|
|-------------|---------------|--|----------------|-------|-------------|--|

##### Main Circuit Breakers (3Ø Incoming and 3Ø Outgoing) 65,000 RMS Symmetrical Ampere Short Circuit Current Rating (400-1600 A Max.) 100,000 RMS Symmetrical Ampere Short Circuit Current Rating (2000 A Max.)

|              |      |              |               |       |          |                          |
|--------------|------|--------------|---------------|-------|----------|--------------------------|
| 3Ø4W         | 400  | 800 A Al     | EZM3400CB††   | 18.66 | 99464017 | (1) #1-600 or (2) #1-250 |
| 208Y/120 Vac | 600  | 800 A Al     | EZM3600CB††   | 18.66 | 99517521 | (3) 3/0-500              |
| OR           | 800  | 800 A Al     | EZM3800CB††   | 18.66 | 99517522 | (3) 3/0-500              |
| 240/120 Vac  | 1000 | 1000 A Al    | EZM31000CB††■ | 18.66 | 99517523 | (3) 3/0-500              |
| DELTA        | 1200 | 1200 A Al/Cu | EZM31200CB●○  | 30.19 | 99577727 | (4) 1/0-750              |
|              | 1600 | 1200 A Al/Cu | EZM31600CB●○  | 30.19 | 99517524 | (6) 1/0-750              |

##### Main Fusible Switches (3Ø Incoming and 3Ø Outgoing)— 100,000 RMS Symmetrical Ampere Short Circuit Current Rating Requires 300 Vac Class T Fuses (Order Separately)

|              |     |          |           |       |          |                          |
|--------------|-----|----------|-----------|-------|----------|--------------------------|
| 3Ø4W         | 400 | 800 A Al | EZM3400FS | 18.66 | 99504974 | (1) #1-600 or (2) #1-250 |
| 208Y/120 Vac | 600 | 800 A Al | EZM3600FS | 18.66 | 99504976 | (3) 3/0-500              |
| 240/120 Vac  | 800 | 800 A Al | EZM3800FS | 18.66 | 99504978 | (3) 3/0-500              |
| DELTA        |     |          |           |       |          |                          |

##### Main Lugs Terminal Boxes (3Ø Incoming and 3Ø Outgoing)‡

|              |      |           |             |       |          |                            |
|--------------|------|-----------|-------------|-------|----------|----------------------------|
| 3Ø4W         | 400  | 800 A Al  | EZM3400TB   | 18.66 | 99501991 | (2) 3/0-500                |
| 208Y/120 Vac | 600  | 800 A Al  | EZM3600TB   | 17.00 | 25021907 | (1) 350-750 or (2) 1/0-300 |
| OR           | 800  | 800 A Al  | EZM3800TB   | 23.93 | 88239577 | (4) 3/0-500                |
| 240/120 Vac  | 1600 | 1200 A Al | EZM31600TB○ | 22.33 | 88239539 | (6) 3/0-600                |
| DELTA        |      |           |             |       |          |                            |

##### Underground Feed Only

| System Type | Ampere Rating | Horizontal Cross Bus Rating and Bus Bar Material | Catalog Number Meets EUSERC Requirements | Width | Advanced ID | Factory Installed Lug Landings For Use with Crimp-Type Lugs (2-Hole Mounting) Qty. per Phase and Neutral* |
|-------------|---------------|--|--|-------|-------------|---|
|-------------|---------------|--|--|-------|-------------|---|

##### Main Circuit Breakers (3Ø Incoming and 3Ø Outgoing) 65,000 RMS Symmetrical Ampere Short Circuit Current Rating (400-800 A Max.) 100,000 RMS Symmetrical Ampere Short Circuit Current Rating (1000-2000 A Max.)

|              |      |              |                 |       |          |                           |
|--------------|------|--------------|-----------------|-------|----------|---------------------------|
| 3Ø4W         | 400  | 800 A Al     | EZM3400CBU††    | 20.46 | 99517525 | 1 (Order Lugs Separately) |
| 208Y/120 Vac | 600  | 800 A Al     | EZM3600CBU††    | 20.46 | 99517526 | 2 (Order Lugs Separately) |
| OR           | 800  | 800 A Al     | EZM3800CBU††    | 20.46 | 99517527 | 2 (Order Lugs Separately) |
| 240/120 Vac  | 1000 | 1000 A Al    | EZM31000CBU†††  | 34.19 | 99517528 | 3 (Order Lugs Separately) |
| DELTA        | 1200 | 1200 A Al/Cu | EZM31200CBU††○† | 34.19 | 99517529 | 3 (Order Lugs Separately) |

##### Main Fusible Switches (3Ø Incoming and 3Ø Outgoing)— Requires 300 Vac Class T Fuses (Order Separately)

|              |     |          |            |       |          |                           |
|--------------|-----|----------|------------|-------|----------|---------------------------|
| 3Ø4W         | 400 | 800 A Al | EZM3400FSU | 20.46 | 99504975 | 1 (Order Lugs Separately) |
| 208Y/120 Vac | 600 | 800 A Al | EZM3600FSU | 20.46 | 99504977 | 2 (Order Lugs Separately) |
| 240/120 Vac  | 800 | 800 A Al | EZM3800FSU | 20.46 | 99504979 | 2 (Order Lugs Separately) |
| DELTA        |     |          |            |       |          |                           |

##### Main Lugs Terminal Boxes (3Ø Incoming and 3Ø Outgoing)‡

|              |      |              |              |       |          |                           |
|--------------|------|--------------|--------------|-------|----------|---------------------------|
| 3Ø4W         | 400  | 800 A Al     | EZM3400TBU   | 16.16 | 22091643 | 1 (Order Lugs Separately) |
| 208Y/120 Vac | 800  | 800 A Al     | EZM3800TBU   | 24.16 | 22091660 | 2 (Order Lugs Separately) |
| OR           | 1200 | 1200 A Al/Cu | EZM31200TBU○ | 32.16 | 22069856 | 3 (Order Lugs Separately) |
| 240/120 Vac  |      |              |              |       |          |                           |
| DELTA        |      |              |              |       |          |                           |

\* For mechanical lugs (3/0 to 600 kcmil) order kit catalog number CMELK4. Kit includes 4 lugs only. Multiple kits may be required. For crimp-type lugs refer to Anderson Electrical Connector Products Catalog AEC-40R.

† Has a 100,000 RMS symmetrical ampere short circuit current rating.

‡ Tap box is suitable for use on LINE or LOAD side of service equipment. Supplied with isolated neutral and provided with neutral bonding kit for use as required.

†† Available by special order with main circuit breaker supplied with other standard ampere ratings.

● Ampere rating of the PA circuit breaker supplied with this main can be changed in field by ordering a different set of rating columns.

○ Supplied with copper horizontal bus bars and aluminum vertical bus bars.

■ May be end mounted to feed branch units with 800 A or 1200 A horizontal cross bus.



### EZ Meter-Pak® Meter Centers

### 3-Phase - Indoor/Rainproof

### Branch Devices

Square D®



EZML313225

### 3Ø4W EZ Meter-Pak Meter Centers — UL Listed

#### ② Branch Devices—NEMA 3R Construction

#### Branch Units—3Ø Incoming and 1Ø Outgoing

| System Type   | Width (IN) | Number of Meter Sockets | Horizontal Cross Bus Rating and Bus Bar Material | Ring Type 5-Jaw Meter Socket * |             | Ringless Type 5-Jaw Meter Socket |             | Ringless Type 5-Jaw Meter Socket with Horn Bypass |             |
|---|------------|-------------------------|--|--------------------------------|-------------|----------------------------------|-------------|---|-------------|
|   |            |                         |  | Catalog Number                 | Advanced ID | Catalog Number                   | Advanced ID | Catalog Number                                    | Advanced ID |
| <b>125 A Maximum (Order Type QO, QO-VH or QOH Circuit Breakers Separately) † ** ○</b> |            |                         |  |                                |             |                                  |             |   |             |
| 3Ø4W 208Y/120 Vac<br>5-Jaw-Meter Socket<br>2-Pole Branch Circuit Breakers             | 12.25      | 3                       | 800 A Al   | EZM313125                      | 99423369    | EZMR313125                       | 99723389    | EZMH313125  | 99652356    |
|   |            | 4                       | 800 A Al   | EZM314125                      | 99578050    | EZMR314125                       | 99723390    | EZMH314125  | 99577731    |
|   |            | 5                       | 800 A Al   | EZM315125                      | 99578051    | EZMR315125                       | 99723391    | EZMH315125  | 99577733    |
|   |            | 6                       | 800 A Al   | EZM316125                      | 99504973    | EZMR316125                       | 99723392    | EZMH316125  | 99652357    |
| <b>225 A Maximum (Order Type QB, QD, QG or QJ Circuit Breakers Separately) † □ ○</b>  |            |                         |  |                                |             |                                  |             |   |             |
| 3Ø4W 208Y/120 Vac<br>5-Jaw-Meter Socket<br>2-Pole Branch Circuit Breakers             | 17.38      | 2                       | 800 A Al   | EZM312225                      | 22091599    | EZMR312225                       | 22086458    | EZMH312225  | 22091686    |
|   |            | 3                       | 800 A Al   | EZM313225                      | 22091610    | EZMR313225                       | 22091801    | EZMH313225  | 22091698    |
|   |            | 4                       | 800 A Al   | EZM314225                      | 22091621    | EZMR314225                       | 22091812    | EZMH314225  | 22091709    |
|   |            | 5                       | 1200 A Al/Cu                                     | EZM315225                      | 22091627    | EZMR315225                       | 22091818    | EZMH315225  | —           |

#### 225 A Maximum Commercial Branch Units

| System Type   | Number of Metersockets | Horizontal Cross Bus Rating and Bus Bar Material | Ringless Type Meter Socket without Bypass |            |             | Ringless Type Meter Socket with Lever Bypass and Jaw Release ● |            |             | Ring Type Meter Socket with Test Block Bypass. Meets EUSERC Requirements |            |             |
|---|------------------------|--|---|------------|-------------|--|------------|-------------|--|------------|-------------|
|   |                        |  | Catalog Number                            | Width (IN) | Advanced ID | Catalog Number   | Width (IN) | Advanced ID | Catalog Number   | Width (IN) | Advanced ID |
| <b>3Ø Incoming and 1Ø Outgoing ‡ (Order Type QB, QD, QG or QJ circuit breakers separately) □</b>  |                        |  |   |            |             |  |            |             |  |            |             |
| 3Ø4W 208Y/120 Vac<br>5-Jaw Meter Sockets<br>2-Pole Branch Circuit Breakers                        | 1                      | 1200 A Al/Cu                                     | —   | —          | —           | —  | —          | —           | EZMT311225 ††  | 22.42      | —           |
|   | 2                      | 1200 A Al/Cu                                     | —   | —          | —           | EZML312225   | 19.44      | 22091744    | EZMT312225 ††  | 22.42      | 22091836    |
|   | 3                      | 1200 A Al/Cu                                     | —   | —          | —           | EZML313225   | 19.44      | 22091752    | EZMT313225 ††■   | 22.42      | 22091837    |
|   | 4                      | 1200 A Al/Cu                                     | —   | —          | —           | EZML314225   | 19.44      | 22091757    | —  | —          | —           |
| <b>3Ø Incoming and 3Ø Outgoing (Order QB, QD, QG or QJ circuit breakers separately)</b>           |                        |  |   |            |             |  |            |             |  |            |             |
| 3Ø4W 240/120 Vac<br>DELTA or 208Y/120 Vac<br>7-Jaw Meter Socket<br>3-Pole Branch Circuit Breakers | 1                      | 1200 A Al/Cu                                     | —   | —          | —           | EZML312225   | 19.44      | 22091760    | EZMT331225 ††  | 22.42      | 22091838    |
|   | 2                      | 1200 A Al/Cu                                     | EZMR332225                                | 19.44      | 22083930    | EZML332225   | 19.44      | 22091764    | EZMT332225 ††  | 22.42      | 22091839    |
|   | 3                      | 1200 A Al/Cu                                     | EZMR333225                                | 19.44      | 22091826    | EZML333225   | 19.44      | 22078125    | EZMT333225   | 22.42      | 22091840    |
|   | 4                      | 1200 A Al/Cu                                     | EZMR334225                                | 19.44      | 22091829    | EZML334225   | 19.44      | 22091770    | —  | —          | —           |

\* Snap-On aluminum sealing rings supplied as standard.

‡ For 240/120 Vac DELTA Systems add Suffix "CA" to catalog number (Example: EZM314125CA). All meter sockets are phased A and C only. Price remains the same as the base catalog number.

\*\* Supplied with removable drip hood and equipped with an indoor top endwall with knockouts provided.

†† Supplied with bondable neutral, suitable for use as service equipment. Use main lugs tap box type EZM-TBU for 6-Sub Division Rule applications to feed this device. Supplied with copper horizontal bus bars and aluminum vertical bus bars.

● Supplied with Class 320 meter socket.

○ For 1200 A main cross bus, add suffix "X" to catalog number. Example: EZMR313125X.

■ Does not meet EUSERC 48" minimum/75" maximum meter height requirements as measured from grade level to centerline on meter. This device measures 37" minimum/75" maximum.

□ Type QO, QO-VH and QOH branch circuit breakers (40 A–60 A) may be installed with use of EZM125QQA adapter kits.



EZMT311225



EZMT311225 Without Cover

#### 400 A Maximum Commercial Branch Units

| System Type  | Number of Meter Sockets | Horizontal Cross Bus Rating | Ringless Type Meter Socket with Lever Bypass and Jaw Release—<br>400 A Type LAL Branch Circuit Breaker Included<br>Factory Installed. ◆ ◆ |            |             | Ringless Type K Bolt-On Meter Socket with Manual Bypass—<br>400 A Type DJM Branch Circuit Breaker Included<br>Factory Installed. Ampere rating field adjustable<br>from 160 A–400 A. ◆ |            |             |
|--|-------------------------|-----------------------------|---|------------|-------------|--|------------|-------------|
|  |                         |                             | Catalog Number  | Width (IN) | Advanced ID | Catalog Number   | Width (IN) | Advanced ID |
| <b>3Ø Incoming and 1Ø Outgoing ▲</b>   |                         |                             |   |            |             |  |            |             |
| 3Ø4W<br>208Y/120 Vac<br>5-Jaw Meter Socket<br>3-Pole Branch<br>Circuit Breaker                         | 1                       | 1200 A Al/Cu                | EZML311400 ▼  | 23.21      | 99723386    | EZMK311400   | 27.56      | 22091722    |
|  | 2                       | 1200 A Cu                   | EZML312400 ▼  | 23.21      | 99723387    | EZMK312400   | 27.56      | 22091724    |
| <b>3Ø Incoming and 3Ø Outgoing</b>   |                         |                             |   |            |             |  |            |             |
| 3Ø4W<br>240/120 Vac DELTA<br>or 208Y/120 Vac<br>7-Jaw Meter Socket<br>3-Pole Branch<br>Circuit Breaker | 1                       | 1200 A Al/Cu                | EZML331400 ◆  | 23.21      | 99891815    | EZMK331400   | 27.56      | 22091725    |
|  | 2                       | 1200 A Al/Cu                | EZML332400 ◆  | 23.21      | 99891817    | EZMK332400   | 27.56      | 22091726    |

▲ For 240/120 Vac DELTA Systems add Suffix "CA" to catalog number (Example: EZML312400CA). All meter sockets are phased A and C only.

▼ Supplied with copper horizontal bus bars and aluminum vertical bus bars.

◆ Device has limited short circuit current rating.

◆ Supplied with Class 320 meter socket.



EZMK311400

### Meter Sockets

Milbank Manufacturing Co.



U7040-XL-TG



U9701-RXL-QG

Residential and commercial meter sockets

#### Benefits

- Corrosion Resistant

#### Features

- G90 Galvanized Steel
- Re-Coatable Powder Paint
- UL Listed
- Type 3R Rated Enclosure

| Mfg. No.        | Advanced ID              | Amp Rating | Wiring Configuration               | Voltage Rating | Number of Jaws | Bypass Type                  |
|-----------------|--------------------------|------------|------------------------------------|----------------|----------------|------------------------------|
| U1797-O-K3L-K2L | <a href="#">22082555</a> | 320A       | 1-Phase, 3-Wire                    | 600V AC        | 4              | Lever                        |
| U1980-O         | <a href="#">90095797</a> | 200A       | 1-Phase, 3-Wire                    | 600V AC        | 4              | None                         |
| U2594-X         | <a href="#">91030707</a> | 320A       | 3-Phase 4-Wire                     | 600V AC        | 7              | Lever                        |
| U3313-X-HSP     | <a href="#">99431008</a> | 320A       | 1-Phase, 3-Wire                    | 600V AC        | 5              | Lever                        |
| U3491-XL-200    | <a href="#">95011959</a> | 200A       | 1-Phase, 3-Wire                    | 120/240V AC    | 4              | None                         |
| U3499-XL-100    | <a href="#">99545280</a> | 125A       | 1-Phase, 3-Wire                    | 120/240V AC    | 4              | None                         |
| U3506-RL-TG-HSP | <a href="#">99431001</a> | 125A       | 3-Phase 4-Wire                     | 600V AC        | 7              | Lever                        |
| U3791N-RXL-200  | <a href="#">99859420</a> | 200A       | 1-Phase, 3-Wire                    | 120/240V AC    | 4              | Lever                        |
| U3924-XL        | <a href="#">94061557</a> | 200A       | 1-Phase, 3-Wire                    | 600V AC        | 4              | Lever                        |
| U3990-XL-200    | <a href="#">93149741</a> | 200A       | 1-Phase, 3-Wire                    | 120/240V AC    | 4              | None                         |
| U4031-O-2/200   | <a href="#">97102190</a> | 320A       | 1-Phase, 3-Wire                    | 120/240V AC    | 4              | Lever                        |
| U4667-XT-9526   | <a href="#">22074229</a> | 480A       | 3-Phase 4-Wire                     | 600V AC        | 7              | Provision for bolt-in bypass |
| U7021-RL-TG     | <a href="#">88173224</a> | 200A       | 1-Phase, 3-Wire                    | 600V AC        | 4              | None                         |
| U7021-RL-TG-KK  | <a href="#">96082714</a> | 200A       | 1-Phase, 3-Wire                    | 600V AC        | 4              | Horn                         |
| U7040-O-TG-HSP  | <a href="#">99430998</a> | 200A       | 1-Phase, 3-Wire                    | 600V AC        | 4              | None                         |
| U7040-RL-TG     | <a href="#">93198547</a> | 200A       | 1-Phase, 3-Wire                    | 600V AC        | 4              | None                         |
| U7040-XL-TG     | <a href="#">89053312</a> | 200A       | 1-Phase, 3-Wire                    | 600V AC        | 4              | None                         |
| U7487-RL        | <a href="#">89021700</a> | 125A       | 1-Phase, 3-Wire                    | 600V AC        | 4              | None                         |
| U7487-RL-TG     | <a href="#">89021702</a> | 125A       | 1-Phase, 3-Wire                    | 600V AC        | 4              | None                         |
| U7487-RL-TG-KK  | <a href="#">96082705</a> | 125A       | 1-Phase, 3-Wire                    | 600V AC        | 4              | Horn                         |
| U8173-XL-KK-BLG | <a href="#">22008289</a> | 200A       | 1-Phase, 3-Wire                    | 600V AC        | 5              | Horn                         |
| U8435-RL-TG     | <a href="#">97102205</a> | 125A       | 1-Phase, 3-Wire                    | 600V AC        | 4              | None                         |
| U9551-X-QG-HSP  | <a href="#">22114862</a> | 200A       | 1-Phase, 3-Wire or 3-Phase, 3-Wire | 600V AC        | 5              | Lever                        |
| U9701-RXL-QG    | <a href="#">96082687</a> | 200A       | 3-Phase 4-Wire                     | 600V AC        | 7              | Lever                        |
| UC7449-WL       | <a href="#">88172734</a> | 20A        | 13 Terminal                        | 600V AC        | 13             | None                         |

### Meter Accessories

Milbank Manufacturing Co.



Hub, Threaded Conduit



Connector

Meter hubs, connector kits, miscellaneous accessories.

| Mfg. No.   | Advanced ID              | Description  |
|------------|--------------------------|--|
| A7514      | <a href="#">90052514</a> | Hub, 1 in. Threaded, Units with Small RL- Opening Standard.  |
| A7515      | <a href="#">89053319</a> | Hub 1 1/4 in. Threaded, Units with Small RL-Opening Standard.  |
| A7516      | <a href="#">89053320</a> | Hub, 1 1/2 in. Threaded, Units with Small RL-Opening Standard.                                       |
| A7517      | <a href="#">89053321</a> | Hub, 2 in. Threaded, Units with Small RL-Opening Standard.   |
| A7518      | <a href="#">90055386</a> | Hub, 2 1/2 in. Threaded, Units with Small RL-Opening Standard.                                       |
| A7551      | <a href="#">99713815</a> | Hub Closing Plate, Standard Size, Units with RL-Opening.   |
| A8110      | <a href="#">89053322</a> | Hub, 3 in. Threaded, Units with Large R-Opening Heavy Duty.  |
| A8112      | <a href="#">90055387</a> | Hub, 4 in. Threaded, Units with Large R-Opening Heavy Duty.  |
| A8324      | <a href="#">88172991</a> | Hub Adapter Plate, Converts Large (-R Hub Opening) to Small (-RL Hub Opening) Milbank Meter Sockets. |
| A9064      | <a href="#">22057714</a> | Large Closing Plate.   |
| K1350      | <a href="#">92125130</a> | Twin Connector Kit, Lug, Two Conductor, 350 KCMIL Conductor, Units with 3/8 - 16 Studs.              |
| K1539      | <a href="#">88172418</a> | Single Connector Kit, Lug, Single Conductor, 350 KCMIL Conductor, Units with 3/8 - 16 Studs.         |
| K1540      | <a href="#">96000035</a> | Single Connector Kit, Lug, Single Conductor, 600 KCMIL Conductor, Units with 3/8 - 16 Studs.         |
| K8180      | <a href="#">22024308</a> | Insulated Bypass Jumpers.  |
| Z703921-AC | <a href="#">99549137</a> | Single Connector-#3/0 to 800 kcmil for 1/2 in. Studs.  |

**NQOD Merchandised Panelboards**

**Main Lug**

**Class 1630 240V AC, 48V CD.**

Square D®

Main Lug Interiors - Accepts plug-on and bolt-on circuit breakers 240V AC, 48V DC.

| Total Cir. Breaker Mounting Spaces ■             | Main Amp Rating | Mfg. No.*         | Advanced ID | NEMA 1 Box Encl †□ | Panelboard Front ‡□    | NEMA 3R, 5, 12 Encl ○□  | Encl Height □     |
|--|-----------------|-------------------|-------------|--------------------|------------------------|-------------------------|-------------------|
| <b>20 in. Wide Cabinet - Single Phase 3-Wire</b> |                 |                   |             |                    |                        |                         |                   |
| 12   | 100             | NQOD12L100CU      | 90061825    | MH20               | MHC20                  | MH20WP                  | 20                |
| 20   | 100             | NQOD20L100        | 88241931    | MH23               | MHC23                  | MH23WP                  | 23                |
| 20   | 100             | NQOD20L100CU      | 88241932    | MH23               | MHC23                  | MH23WP                  | 23                |
| 30   | 225             | NQOD30L225        | 88241936    | MH32(ML), MH44(MB) | MHC32(ML), MHC44(MB)   | MH32WP(ML), MH44WP(MB)  | 32(ML), 44(MB)    |
| 30   | 225             | NQOD30L225CU      | 88241937    | MH32(ML), MH44(MB) | MHC32(ML), MHC44(MB)   | MH32WP(ML), MH44WP(MB)  | 32(ML), 44(MB)    |
| 42   | 225             | NQOD42L225        | 88241948    | MH35(ML), MH50(MB) | MHC35(ML), MHC50(MB)   | MH35WP(ML), MH50WP(MB)  | 35(ML), 50(MB)    |
| 42   | 225             | NQOD42L225TFL ●   | 99456852    | MH41(ML); MH56(MB) | MHC41(ML), MHC56(MB)   | MH41WP(ML); MH56WP(MB)  | 41(ML), 56(MB)    |
| 42   | 225             | NQOD42L225CU      | 88241949    | MH35(ML), MH50(MB) | MHC35(ML), MHC50(MB)   | MH35WP(ML), MH50WP(MB)  | 35(ML), 50(MB)    |
| 42   | 225             | NQOD42L225CUTF ●  | 92125169    | MH41(ML); MH56(MB) | MHC41(ML), MHC56(MB)   | MH41WP(ML); MH56WP(MB)  | 41(ML), 56(MB)    |
| 54**   | 225             | NQOD54L225        | 88241971    | MH41(ML); MH56(MB) | MHC41(ML), MHC56(MB)   | MH41WP(ML); MH56WP(MB)  | 41(ML), 56(MB)    |
| 54**   | 225             | NQOD54L225CU      | 91015336    | MH41(ML); MH56(MB) | MHC41(ML), MHC56(MB)   | MH41WP(ML); MH56WP(MB)  | 41(ML), 56(MB)    |
| 30   | 400             | NQOD30L400        | 88241938    | MH50(ML), MH65(MB) | MHC50V(ML), MHC65V(MB) | Use Cu                  | 50(ML), 65(MB)    |
| 30   | 400             | NQOD30L400CU      | 88241939    | MH50(ML), MH65(MB) | MHC50V(ML), MHC65V(MB) | MH50WP(ML), MH65WP(MB)  | 50(ML), 65(MB)    |
| 42   | 400             | NQOD42L400        | 88241950    | MH53(ML), MH68(MB) | MHC53V(ML), MHC68V(MB) | Use Cu                  | 53(ML), 68(MB)    |
| 42   | 400             | NQOD42L400CU      | 88241951    | MH53(ML), MH68(MB) | MHC53V(ML), MHC68V(MB) | MH53WP(ML), MH68WP(MB)  | 53(ML), 68(MB)    |
| 54**   | 400             | NQOD54L400        | 88241972    | MH59(ML), MH74(MB) | MHC59V(ML), MHC74V(MB) | Use Cu                  | 59(ML), 74(MB)    |
| 54**   | 400             | NQOD54L400CU      | 88241973    | MH59(ML), MH74(MB) | MHC59V(ML), MHC74V(MB) | MH59WP(ML), MH74WP(MB)  | 59(ML), 74(MB)    |
| 30   | 600             | NQOD30L600        | 88241940    | MH53               | MHC53V                 | MH656WP                 | 53/65             |
| 42   | 600             | NQOD42L600        | 88241952    | MH56               | MHC56V                 | MH686WP                 | 56/68             |
| 42   | 600             | NQOD42L600TFL ●   | 92104648    | MH62(ML), MH77(MB) | MHC62V(ML), MH77(MB)   | MH746WP(ML), MH77WP(MB) | 62/74(ML), 77(MB) |
| 54**   | 600             | NQOD54L600        | 88241974    | MH62               | MHC62V                 | MH746WP                 | 62/74             |
| <b>20 in. Wide Cabinet - Three Phase 4-Wire</b>  |                 |                   |             |                    |                        |                         |                   |
| 12   | 100             | NQOD412L100CU     | 90059249    | MH20               | MHC20                  | MH20WP                  | 20                |
| 24   | 100             | NQOD424L100       | 88241944    | MH23               | MHC23                  | MH23WP                  | 23                |
| 24   | 100             | NQOD424L100CU     | 88241945    | MH23               | MHC23                  | MH23WP                  | 23                |
| 30   | 100             | NQOD430L100       | 88241953    | MH26               | MHC26                  | MH26WP                  | 26                |
| 30   | 100             | NQOD430L100CU     | 88241954    | MH26               | MHC26                  | MH26WP                  | 26                |
| 30   | 225             | NQOD430L225       | 88241955    | MH32(ML), MH44(MB) | MHC32(ML), MHC44(MB)   | MH32WP(ML), MH44WP(MB)  | 32(ML), 44(MB)    |
| 30   | 225             | NQOD430L225CU     | 88241956    | MH32(ML), MH44(MB) | MHC32(ML), MHC44(MB)   | MH32WP(ML), MH44WP(MB)  | 32(ML), 44(MB)    |
| 42   | 225             | NQOD442L225       | 88241962    | MH35(ML), MH50(MB) | MHC35(ML), MHC50(MB)   | MH35WP(ML), MH50WP(MB)  | 35(ML), 50(MB)    |
| 42   | 225             | NQOD442L225TFL ●  | 90083779    | MH41(ML), MH56(MB) | MHC41(ML), MHC56(MB)   | MH41WP(ML), MH56WP(MB)  | 41(ML), 56(MB)    |
| 42   | 225             | NQOD442L225CU     | 88241963    | MH35(ML), MH50(MB) | MHC35(ML), MHC50(MB)   | MH35WP(ML), MH50WP(MB)  | 35(ML), 50(MB)    |
| 42   | 225             | NQOD442L225CUTF ● | 92125170    | MH41(ML), MH56(MB) | MHC41(ML), MHC56(MB)   | MH41WP(ML), MH56WP(MB)  | 41(ML), 56(MB)    |
| 54**   | 225             | NQOD454L225       | 88241967    | MH41(ML), MH56(MB) | MHC41(ML), MHC56(MB)   | MH41WP(ML), MH56WP(MB)  | 41(ML), 56(MB)    |
| 54**   | 225             | NQOD454L225CU     | 92104645    | MH41(ML), MH56(MB) | MHC41(ML), MHC56(MB)   | MH41WP(ML), MH56WP(MB)  | 41(ML), 56(MB)    |
| 30   | 400             | NQOD430L400       | 88241957    | MH50(ML), MH65(MB) | MHC50V(ML), MHC65V(MB) | Use Cu                  | 50(ML), 65(MB)    |
| 30   | 400             | NQOD430L400CU     | 88241958    | MH50(ML), MH65(MB) | MHC50V(ML), MHC65V(MB) | MH50WP(ML), MH65WP(MB)  | 50(ML), 65(MB)    |
| 42   | 400             | NQOD442L400       | 88241964    | MH53(ML), MH68(MB) | MHC53V(ML), MHC68V(MB) | Use Cu                  | 53(ML), 68(MB)    |
| 42   | 400             | NQOD442L400CU     | 88241965    | MH53(ML), MH68(MB) | MHC53V(ML), MHC68V(MB) | MH53WP(ML), MH68WP(MB)  | 53(ML), 68(MB)    |
| 54**   | 400             | NQOD454L400       | 88241968    | MH59(ML), MH74(MB) | MHC59V(ML), MHC74V(MB) | Use Cu                  | 59(ML), 74(MB)    |
| 54**   | 400             | NQOD454L400CU     | 88241969    | MH59(ML), MH74(MB) | MHC59V(ML), MHC74V(MB) | MH59WP(ML), MH74WP(MB)  | 59(ML), 74(MB)    |
| 30   | 600††           | NQOD430L600       | 88241959    | MH53               | MHC53V                 | MH656WP                 | 53/65             |
| 42   | 600††           | NQOD442L600       | 88241966    | MH56               | MHC56V                 | MH686WP                 | 56/68             |
| 42   | 600††           | NQOD442L600TFL ●  | 92104649    | MH62(ML), MH77(MB) | MHC62V(ML), MHC77V(MB) | MH746WP(ML), MH77WP(MB) | 62/74(ML), 77(MB) |
| 54**   | 600††           | NQOD454L600       | 99456851    | MH62               | MHC62V                 | MH746WP                 | 62/74             |

\* CU suffix indicates copper bussing.

† NEMA 1 Box Enclosure is 20 in. W x 5.75 in. D; Embossed mounting holes add a .25 inch standoff to back of MH box.

‡ MONO-FLAT front. Add 'F' for flush, 'S' for surface.

\*\* Refer to 42 circuit rule - NEC Article 408-14 and 408-15.

†† Copper bus standard on 600 A interiors.

● Feed-thru lug interior.

○ NEMA 3R, 5, 12 Enclosure is 20 in. W x 6.5 in. D; Enclosure includes trim kit.

■ Max, single-pole QO/QOB Breakers.

□(ML) signifies main lug panelboard. (MB) signifies main circuit breaker panelboard. Height in inches.

### NQOD Merchandised Panelboards - Main Lug - Accessories

Square D®

| Mfg. No.  | Advanced ID | Description   |
|---|-------------|---|
| <b>Sub-feed lug kits - main lugs only - 1Ø or 3Ø *</b>          |             |   |
| NQOD100SFL  | 88241928    | 100A  |
| NQOD225SFL  | 88241935    | 225A  |
| <b>Sub-feed Plug-on</b>   |             |   |
| QO2125SL  | 88242767    | 2-Pole 125A Max   |
| QO3125SL  | 88242901    | 3-Pole 125A Max   |
| <b>Sub-feed Bolt-on</b>   |             |   |
| QOB2125SL   | 88243077    | 2-Pole 125A Max   |
| QOB3125SL   | 88243114    | 3-Pole 125A Max   |
| <b>Equipment Ground Bars</b>                                    |             |   |
| PK9GTA  | 88242156    | 12 circuit 225A Max   |
| PK12GTA   | 88242133    | 20 circuit 225A Max, 18 circuit 250A Max                        |
| PK15GTA   | 88242134    | 24 circuit 225A Max   |
| PK18GTA   | 88242137    | 30 circuit 225A Max   |
| PK23GTA   | 88242140    | 42 circuit 250A Max, 54 circuit 225A Max                        |
| PK27GTA   | 88242142    | 54 circuit 600A Max   |
| PK15GTAL  | 88242136    | Standard PK15GTA with a #1 to 4/0 Al/Cu Lug                     |
| PK18GTAL  | 88242138    | Standard PK18GTA with a #1 to 4/0 Al/Cu Lug                     |
| PK23GTAL  | 88242141    | Standard PK23GTA with a #1 to 4/0 Al/Cu Lug                     |
| <b>Other Accessories</b>  |             |   |
| PKGTAB  | 88242181    | Insulator Kit for PK7GTA thru PK27GTA                           |
| QOFP  | 88243247    | Filler Plate  |
| 8003115801  | 91033988    | Directory card  |
| 8003115901  | 96075871    | Plastic stick-on directory pouch                                |
| PK22FL  | 22093460    | Lock - for MONO-FLAT fronts, NEMA 1 Enclosure                   |
| LP9618  | 94072188    | Key - NSR-251 (for all locks)                                   |
| PK49SP  | 88242148    | Touch-up paint USAS #49 Gray (Aerosol can)                      |
| 2322000003  | 22093560    | Nut - interior mounting (4 per package)                         |
| NQ204OE   | -           | Odd/Even Circuit ID Number Strips 1-204                         |
| NQ204S  | -           | Sequential Circuit ID Number Strips 1-204                       |
| <b>Handle Attachments - branch circuit breakers</b>             |             |   |
| HLO1  | 88240866    | Handle lock-off   |
| QO1HT   | 88242704    | Handle tie - (QO and QOB only)                                  |
| QO1PA   | 88242706    | Handle padlock attachment single-pole                           |
| QO1PL   | 88242708    | Handle padlock attachment 2-pole and 3 -pole                    |
| QO3HT   | 88242940    | Combination handle tie and lock-off three single-pole (QO, QOB) |
| <b>Neutral Lugs</b>   |             |   |
| QO70AN  | 88243015    | #10 to #2 Al or #14 to #4 Cu                                    |
| Q1100AN   | 88242242    | #4 to #1/0 Al/Cu  |
| Q1150AN   | 88242281    | #1 to #4/0 Al/Cu  |
| <b>Endwalls for MH Boxes</b>                                    |             |   |
| 8011010501  | 90064061    | Blank   |
| 8011010401  | 90013066    | With Knockouts  |
| <b>Main Circuit Breaker Adapter Kits (Less Circuit Breaker)</b> |             |   |
| NQODQB  | 22057998    | 225A, QBL, QDL, QGL, QJL circuit breaker frame.                 |
| NQODJK  | 25027279    | 225A, JDL, JGL, JLL, JLL, KIL circuit breaker frame.            |
| NQOD4   | 88241941    | 400A, LAL, LHL, Q4L circuit breaker frame.                      |

\*42 circuit panelboard requires MH38 box, 54 circuit panelboard requires MH44 box.



**QOB Bolt-on and QOB-VH**  
**VISI-TRIP® Indicator For NQOD Panelboards**  
**Class 690, 730, 910, 950**

Square D®



QOB Circuit Breaker (Bolt-On) 1-Pole



QOB-VH 110-150A Three-Pole  
6 Spaces Required

| Amp Rating * of Poles | Number of Poles | Mfg. No. | Advanced ID | Main Wire Size |
|-----------------------|-----------------|----------|-------------|----------------|
|-----------------------|-----------------|----------|-------------|----------------|

**QOB Bolt-On**

**One-Pole**

**120V AC - 10,000 AIR, 48V DC-5,000 AIR**

|    |   |          |                 |                              |
|----|---|----------|-----------------|------------------------------|
| 10 | 1 | QOB110   | <b>88243039</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 15 | 1 | QOB115†† | <b>88243041</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 20 | 1 | QOB120†† | <b>88243046</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 25 | 1 | QOB125†  | <b>88243054</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 30 | 1 | QOB130†  | <b>88243058</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 35 | 1 | QOB135†  | <b>88243062</b> | #8-2 Al/Cu                   |
| 40 | 1 | QOB140†  | <b>88242240</b> | #8-2 Al/Cu                   |
| 45 | 1 | QOB145†  | <b>88243065</b> | #8-2 Al/Cu                   |
| 50 | 1 | QOB150†  | <b>88243067</b> | #8-2 Al/Cu                   |
| 60 | 1 | QOB160†  | <b>88243069</b> | #8-2 Al/Cu                   |
| 70 | 1 | QOB170†  | <b>88243071</b> | #8-2 Al/Cu                   |

**Two-Pole - Common Trip**

**120/240V AC - 10,000 AIR, 48V DC - 5,000\*\* AIR**

|     |   |            |                 |                              |
|-----|---|------------|-----------------|------------------------------|
| 10  | 2 | QOB210     | <b>88243073</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 15  | 2 | QOB215†    | <b>88243078</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 20  | 2 | QOB220†    | <b>88243083</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 25  | 2 | QOB225†    | <b>88243090</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 30  | 2 | QOB230†    | <b>88243093</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 35  | 2 | QOB235†    | <b>88243098</b> | #8-2 Al/Cu                   |
| 40  | 2 | QOB240†    | <b>88243100</b> | #8-2 Al/Cu                   |
| 45  | 2 | QOB245†    | <b>88243102</b> | #8-2 Al/Cu                   |
| 50  | 2 | QOB250†    | <b>88243104</b> | #8-2 Al/Cu                   |
| 60  | 2 | QOB260†    | <b>88243106</b> | #8-2 Al/Cu                   |
| 70  | 2 | QOB270†    | <b>88243108</b> | #8-2 Al/Cu                   |
| 80  | 2 | QOB280†**  | <b>88243110</b> | #4-2/0 Al/Cu                 |
| 90  | 2 | QOB290†**  | <b>88243111</b> | #4-2/0 Al/Cu                 |
| 100 | 2 | QOB2100†** | <b>88243074</b> | #4-2/0 Al/Cu                 |
| 110 | 2 | QOB2110†** | <b>93169476</b> | #4-2/0 Al/Cu                 |
| 125 | 2 | QOB2125†** | <b>88243076</b> | #4-2/0 Al/Cu                 |

**Two-Pole - Common Trip\***

**240V AC - 10,000 AIR**

|    |   |          |                 |                              |
|----|---|----------|-----------------|------------------------------|
| 15 | 2 | QOB215H* | <b>88243081</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 20 | 2 | QOB220H* | <b>88243087</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 30 | 2 | QOB230H* | <b>88243096</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 40 | 2 | QOB240H* | <b>99525570</b> | #8-2 Al/Cu                   |
| 50 | 2 | QOB250H* | <b>88292819</b> | #8-2 Al/Cu                   |
| 60 | 2 | QOB260H* | <b>88292821</b> | #8-2 Al/Cu                   |

Continued ➤

| Amp Rating * of Poles | Number | Mfg. No. | Advanced ID | Main Wire Size |
|-----------------------|--------|----------|-------------|----------------|
|-----------------------|--------|----------|-------------|----------------|

**QOB Bolt-On**

**Two-Pole - Common Trip\***

**240V AC - 10,000 AIR**

|     |   |           |                 |              |
|-----|---|-----------|-----------------|--------------|
| 70  | 2 | QOB270H*  | <b>88292822</b> | #8-2 Al/Cu   |
| 80  | 2 | QOB280H*  | <b>95023516</b> | #4-2/0 Al/Cu |
| 90  | 2 | QOB290H*  | <b>22090753</b> | #4-2/0 Al/Cu |
| 100 | 2 | QOB2100H* | <b>88292823</b> | #4-2/0 Al/Cu |

**Three-Pole - Common Trip**

**240V AC - 10,000 AIR, 48V DC - 5,000 AIR\*\***

|     |   |            |                 |              |
|-----|---|------------|-----------------|--------------|
| 10  | 3 | QOB310     | <b>88243112</b> | #14-8 Al/Cu  |
| 15  | 3 | QOB315†    | <b>88243115</b> | #14-8 Al/Cu  |
| 20  | 3 | QOB320†    | <b>88243117</b> | #14-8 Al/Cu  |
| 25  | 3 | QOB325†    | <b>88243121</b> | #14-8 Al/Cu  |
| 30  | 3 | QOB330†    | <b>88243123</b> | #14-8 Al/Cu  |
| 35  | 3 | QOB335†    | <b>88243127</b> | #8-2 Al/Cu   |
| 40  | 3 | QOB340†    | <b>88243129</b> | #8-2 Al/Cu   |
| 45  | 3 | QOB345†    | <b>88243131</b> | #8-2 Al/Cu   |
| 50  | 3 | QOB350†    | <b>88243133</b> | #8-2 Al/Cu   |
| 60  | 3 | QOB360†    | <b>88243135</b> | #8-2 Al/Cu   |
| 70  | 3 | QOB370†**  | <b>88243137</b> | #8-2 Al/Cu   |
| 80  | 3 | QOB380†**  | <b>88243138</b> | #4-2/0 Al/Cu |
| 90  | 3 | QOB390†**  | <b>88243139</b> | #4-2/0 Al/Cu |
| 100 | 3 | QOB3100†** | <b>88243113</b> | #4-2/0 Al/Cu |

**Molded Case Switch 60A Max - 240V AC**

|    |   |        |                 |   |
|----|---|--------|-----------------|---|
| 60 | 2 | QOB200 | <b>94023984</b> | - |
| 60 | 3 | QOB300 | <b>94023985</b> | - |

**Molded Case Switch 100A Max - 240V AC**

|     |   |         |                 |   |
|-----|---|---------|-----------------|---|
| 100 | 2 | QOB2000 | <b>95042014</b> | - |
| 100 | 3 | QOB3000 | <b>95042017</b> | - |

**QOB-VH**

**One-Pole**

**120V AC - 22,000 AIR**

|    |   |            |                 |                              |
|----|---|------------|-----------------|------------------------------|
| 15 | 1 | QOB115VH†† | <b>90044377</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 20 | 1 | QOB120VH†† | <b>88243053</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 25 | 1 | QOB125VH†  | <b>92104775</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 30 | 1 | QOB130VH†  | <b>88317409</b> | #14-8 Al/Cu OR (2) #14-10 Cu |

**Two-Pole - Common Trip**

**120/240V AC - 22,000 AIR**

|     |   |              |                 |                              |
|-----|---|--------------|-----------------|------------------------------|
| 15  | 2 | QOB215VH†    | <b>90003434</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 20  | 2 | QOB220VH†    | <b>88243089</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 25  | 2 | QOB225VH†    | <b>90058727</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 30  | 2 | QOB230VH†    | <b>88243097</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 40  | 2 | QOB240VH†    | <b>92104384</b> | #8-2 Al/Cu                   |
| 50  | 2 | QOB250VH†    | <b>90072678</b> | #8-2 Al/Cu                   |
| 60  | 2 | QOB260VH†    | <b>92104385</b> | #8-2 Al/Cu                   |
| 70  | 2 | QOB270VH†    | <b>92104386</b> | #8-2 Al/Cu                   |
| 80  | 2 | QOB280VH†    | <b>93153925</b> | #4-2/0 Al/Cu                 |
| 90  | 2 | QOB290VH†    | <b>93173275</b> | #4-2/0 Al/Cu                 |
| 100 | 2 | QOB2100VH††† | <b>88292862</b> | #4-2/0 Al/Cu                 |
| 110 | 2 | QOB2110VH††† | <b>95042015</b> | #4-300 kcmil Al/Cu           |
| 125 | 2 | QOB2125VH††† | <b>95042016</b> | #4-300 kcmil Al/Cu           |
| 150 | 2 | QOB2150VH●   | <b>89034886</b> | #4-300 kcmil Al/Cu           |

Continued ➤



### QOB Bolt-on and QOB-VH

#### VISI-TRIP® Indicator For NQOD Panelboards Class 690, 730, 910, 950

Square D®

| Amp Rating *                    | Number of Poles | Mfg. No.   | Advanced ID     | Main Wire Size     |
|---------------------------------|-----------------|------------|-----------------|--------------------|
| <b>QOB-VH</b>                   |                 |            |                 |                    |
| <b>Three-Pole - Common Trip</b> |                 |            |                 |                    |
| <b>240V AC - 22,000 AIR</b>     |                 |            |                 |                    |
| 15                              | 3               | QOB315VH†  | <b>92104773</b> | #14-8 Al/Cu        |
| 20                              | 3               | QOB320VH†  | <b>88243120</b> | #14-8 Al/Cu        |
| 25                              | 3               | QOB325VH†  | <b>92104774</b> | #14-8 Al/Cu        |
| 30                              | 3               | QOB330VH†  | <b>88243126</b> | #14-8 Al/Cu        |
| 40                              | 3               | QOB340VH†  | <b>90003435</b> | #8-2 Al/Cu         |
| 50                              | 3               | QOB350VH†  | <b>89024111</b> | #8-2 Al/Cu         |
| 60                              | 3               | QOB360VH†  | <b>88292859</b> | #8-2 Al/Cu         |
| 70                              | 3               | QOB370VH†  | <b>90064119</b> | #8-2 Al/Cu         |
| 80                              | 3               | QOB380VH†  | <b>92104382</b> | #4-2/0 Al/Cu       |
| 90                              | 3               | QOB390VH†  | <b>92104383</b> | #4-2/0 Al/Cu       |
| 100                             | 3               | QOB3100VH† | <b>88292824</b> | #4-2/0 Al/Cu       |
| 110                             | 3               | QOB3110VH● | <b>89034884</b> | #4-300 kcmil Al/Cu |
| 125                             | 3               | QOB3125VH● | <b>89034885</b> | #4-300 kcmil Al/Cu |
| 150                             | 3               | QOB3150VH● | <b>89034883</b> | #4-300 kcmil Al/Cu |

\*UL Listed 5,000 AIR on 3Ø corner grounded delta systems.

†UL Listed as HACR type for use with air conditioning, heating and refrigeration equipment having motor group combinations and marked for use with HACR type circuit breakers.

‡UL Listed as SWD (switching duty) rated suitable for switching 120V AC fluorescent lighting loads.

\*\*DC Rating is not available on indicated products.

†† 100 A max circuit breaker mounted opposite.

●QOB2150VH uses 4 pole spaces. QOB3110VH, QOB3125VH and QOB3150VH each use 6 pole spaces. 20A max circuit breaker mounted opposite. Wire size is #4-300 kcmil Al/Cu. Use with 75°C wire only.

### QOB-SWN

#### VISI-TRIP® Indicator For NQOD Panelboards Class 690, 730, 910, 950

Square D®

Switch neutral - common trip - NEC 514-5.

| Amp Rating *                                    | Number of Poles | Mfg. No.  | Advanced ID     | Main Wire Size               |
|---|-----------------|-----------|-----------------|------------------------------|
| <b>Single-Pole - 2-Wire, 2 Spaces - 120V AC</b> |                 |           |                 |                              |
| 15  | 1               | QOB215SWN | <b>88243082</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 20  | 1               | QOB220SWN | <b>88243088</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 30  | 1               | QOB230SWN | <b>88242241</b> | #14-8 Al/Cu OR (2) #14-10 Cu |
| 40  | 1               | QOB240SWN | <b>92104964</b> | #8-2 Al/Cu                   |
| 50  | 1               | QOB250SWN | <b>22090750</b> | #8-2 Al/Cu                   |
| <b>2-Pole - 3-Wire, 3 Spaces - 120/240V AC</b>  |                 |           |                 |                              |
| 15  | 2               | QOB315SWN | <b>92104743</b> | #14-8 Al/Cu                  |
| 20  | 2               | QOB320SWN | <b>88243119</b> | #14-8 Al/Cu                  |
| 30  | 2               | QOB330SWN | <b>88243125</b> | #14-8 Al/Cu                  |
| 50  | 2               | QOB350SWN | <b>22090777</b> | #8-2 Al/Cu                   |

### QOB - AFI

#### VISI-TRIP® Indicator For NQOD Panelboards Class 690, 730, 910, 950

Square D®

QOB arc fault circuit interrupters.

| Amp Rating                                | Number of Poles | Mfg. No.  | Advanced ID     |
|---|-----------------|-----------|-----------------|
| <b>Single-Pole - 120V AC - 10,000 AIR</b> |                 |           |                 |
| 15  | 1               | QOB115AFI | <b>22091274</b> |
| 20  | 1               | QOB120AFI | <b>22080718</b> |

### QOB - GFI

#### VISI-TRIP® Indicator For NQOD Panelboards Class 690, 730, 910, 950

Square D®

QOB QWIK-GARD® circuit breaker with ground fault circuit interrupter - UL Class A 4-6 mA people protection.

Note: Do not connect more than 250 ft. of load conductor for the total one-way run to prevent nuisance tripping.

| Amp Rating *                                 | Number of Poles | Mfg. No.   | Advanced ID     | Main Wire Size     |
|--|-----------------|------------|-----------------|--------------------|
| <b>120V AC - 10,000 AIR</b>                  |                 |            |                 |                    |
| 15   | 1               | QOB115GFI  | <b>88243043</b> | #12-8 Al, #14-8 Cu |
| 20   | 1               | QOB120GFI  | <b>88243050</b> | #12-8 Al, #14-8 Cu |
| 25   | 1               | QOB125GFI  | <b>88243056</b> | #12-8 Al, #14-8 Cu |
| 30   | 1               | QOB130GFI  | <b>88243060</b> | #12-8 Al, #14-8 Cu |
| <b>120/240V AC - 10,000 AIR, Common Trip</b> |                 |            |                 |                    |
| 15   | 2               | QOB215GFI  | <b>88243080</b> | #12-8 Al, #14-8 Cu |
| 20   | 2               | QOB220GFI  | <b>88243086</b> | #12-8 Al, #14-8 Cu |
| 25   | 2               | QOB225GFI  | <b>88243092</b> | #12-8 Al, #14-8 Cu |
| 30   | 2               | QOB230GFI  | <b>88243095</b> | #12-8 Al, #14-8 Cu |
| 40   | 2               | QOB240GFI  | <b>88292818</b> | #12-4 Al, #14-6 Cu |
| 50   | 2               | QOB250GFI  | <b>88317429</b> | #12-4 Al, #14-6 Cu |
| 60   | 2               | QOB260GFI‡ | <b>88292820</b> | #12-4 Al, #14-6 Cu |

\* 10-30A circuit breakers are suitable for use with 60°C or 75°C conductors. 35-125A circuit breakers are suitable for use with 75°C conductors.

‡Suitable only for feeding 240V AC and 208V AC 2-wire loads. Does not contain load neutral connection.

**QOB - EPD**

**VISI-TRIP® Indicator For NQOD Panelboards**

**Class 690, 730, 910, 950**

Square D®

QOB equipment protection circuit breakers with UL Listed 30 mA equipment protection.

| Amp Rating                                  | Number of Poles | Mfg. No.  | Advanced ID     | Main Wire Size     |
|---|-----------------|-----------|-----------------|--------------------|
| <b>10,000 AIR - 120V AC</b>                 |                 |           |                 |                    |
| 15  | 1               | QOB115EPD | <b>92105032</b> | #12-8 Al, #14-8 Cu |
| 20  | 1               | QOB120EPD | <b>88243048</b> | #12-8 Al, #14-8 Cu |
| 25  | 1               | QOB125EPD | <b>95015187</b> | #12-8 Al, #14-8 Cu |
| 30  | 1               | QOB130EPD | <b>90075038</b> | #12-8 Al, #14-8 Cu |
| <b>10,000 AIR - 120/240V AC Common Trip</b> |                 |           |                 |                    |
| 15  | 2               | QOB215EPD | <b>95042012</b> | #12-8 Al, #14-8 Cu |
| 20  | 2               | QOB220EPD | <b>88243085</b> | #12-8 Al, #14-8 Cu |
| 25  | 2               | QOB225EPD | <b>97274097</b> | #12-8 Al, #14-8 Cu |
| 30  | 2               | QOB230EPD | <b>92128425</b> | #12-8 Al, #14-8 Cu |
| 40  | 2               | QOB240EPD | <b>22065079</b> | #12-4 Al, #14-6 Cu |
| 50  | 2               | QOB250EPD | <b>99945423</b> | #12-4 Al, #14-6 Cu |
| 60  | 2               | QOB260EPD | <b>22091367</b> | #12-4 Al, #14-6 Cu |

**QOB - VHGF1**

**VISI-TRIP® Indicator For NQOD Panelboards**

**Class 690, 730, 910, 950**

Square D®

Note: Do not connect more than 250 ft. of load conductor for the total one-way run to prevent nuisance tripping.

| Amp Rating *                | Number of Poles | Mfg. No.    | Advanced ID     | Main Wire Size     |
|-----------------------------|-----------------|-------------|-----------------|--------------------|
| <b>120V AC - 22,000 AIR</b> |                 |             |                 |                    |
| 15                          | 1               | QOB115VHGF1 | <b>97221888</b> | #12-8 Al, #14-8 Cu |
| 20                          | 1               | QOB120VHGF1 | <b>91017738</b> | #12-8 Al, #14-8 Cu |
| 30                          | 1               | QOB130VHGF1 | <b>22090723</b> | #12-8 Al, #14-8 Cu |

**QOB - HM**

**VISI-TRIP® Indicator for NQOD Panelboards**

**Class 690, 730, 910, 950**

Square D®

High magnetic trip circuit breakers are recommended for applications where high initial inrush current may occur and for individual dimmer applications.

| Amp Rating                  | Number of Poles | Mfg. No.  | Advanced ID     |
|-----------------------------|-----------------|-----------|-----------------|
| <b>120V AC - 10,000 AIR</b> |                 |           |                 |
| 15                          | 1               | QOB115HM* | <b>88243044</b> |
| 20                          | 1               | QOB120HM* | <b>88243051</b> |

\*UL Listed as SWD (switching duty) rated suitable for switching 120V AC fluorescent lighting loads.

**QOB - HID**

**VISI-TRIP® Indicator For NQOD Panelboards**

**Class 690, 730, 910, 950**

Square D®

HID circuit breakers are UL Listed for use on circuit feeding fluorescent and High Intensity Discharge (HID) lighting systems such as mercury vapor, metal halide, or high pressure sodium. These circuit breakers are physically interchangeable with QOB circuit breakers.

| Amp Rating *                                 | Number of Poles | Mfg. No.   | Advanced ID     | Main Wire Size               |
|--|-----------------|------------|-----------------|------------------------------|
| <b>120V AC - 10,000 AIR</b>                  |                 |            |                 |                              |
| 15   | 1               | QOB115HID* | <b>22090711</b> | #14-8 Al/Cu or (2) #14-10 Cu |
| 20   | 1               | QOB120HID* | <b>90079817</b> | #14-8 Al/Cu or (2) #14-10 Cu |
| 25   | 1               | QOB125HID  | <b>22090718</b> | #14-8 Al/Cu or (2) #14-10 Cu |
| 30   | 1               | QOB130HID  | <b>22090721</b> | #14-8 Al/Cu or (2) #14-10 Cu |
| 40   | 1               | QOB140HID  | <b>22090724</b> | #8-2 Al/Cu                   |
| 50   | 1               | QOB150HID  | <b>91035246</b> | #8-2 Al/Cu                   |
| <b>120/240V AC - 10,000 AIR, Common Trip</b> |                 |            |                 |                              |
| 15   | 2               | QOB215HID  | <b>22090732</b> | #14-8 Al/Cu or (2) #14-10 Cu |
| 20   | 2               | QOB220HID  | <b>96075814</b> | #14-8 Al/Cu or (2) #14-10 Cu |
| 25   | 2               | QOB225HID  | <b>22090740</b> | #14-8 Al/Cu or (2) #14-10 Cu |
| 30   | 2               | QOB230HID  | <b>22090745</b> | #14-8 Al/Cu or (2) #14-10 Cu |
| 40   | 2               | QOB240HID  | <b>22090747</b> | #8-2 Al/Cu                   |
| 50   | 2               | QOB250HID  | <b>96088613</b> | #8-2 Al/Cu                   |
| <b>240V AC - 10,000 AIR, Common Trip</b>     |                 |            |                 |                              |
| 15   | 3               | QOB315HID  | <b>22090760</b> | #14-8 Al/Cu                  |
| 20   | 3               | QOB320HID  | <b>22090762</b> | #14-8 Al/Cu                  |
| 25   | 3               | QOB325HID  | <b>22090765</b> | #14-8 Al/Cu                  |
| 30   | 3               | QOB330HID  | <b>22090769</b> | #14-8 Al/Cu                  |

\*UL Listed as SWD (switching duty) rated suitable for switching 120V AC fluorescent lighting loads.

**QOB - K**

**VISI-TRIP® Indicator For NQOD Panelboards**

**Class 690, 730, 910, 950**

Square D®

Key operated QOB circuit breakers are available in single-pole construction and can be mounted in any single-pole space which will accept a standard QOB. These circuit breakers can be turned ON or OFF or to RESET with a special key included with the circuit breaker. These circuit breakers are UL Listed.

| Amp Rating                                    | Number of Poles | Mfg. No. | Advanced ID     | Main Wire Size               |
|---|-----------------|----------|-----------------|------------------------------|
| <b>120V AC, 10,000 AIR (1 space required)</b> |                 |          |                 |                              |
| 15  | 1               | QOB115K  | <b>88243045</b> | #14-8 Al/Cu or (2) #14-10 Cu |
| 20  | 1               | QOB120K  | <b>88243052</b> | #14-8 Al/Cu or (2) #14-10 Cu |
| 30  | 1               | QOB130K  | <b>88243061</b> | #14-8 Al/Cu or (2) #14-10 Cu |

### NF Merchandised Panelboards - Main Lug - Class 1670

Square D®

20" Wide Enclosures

480Y/277V AC Max.

Use I-Line® panelboards on 480 V 3Ø3W DELTA applications.

| Total Cir. Breaker Mounting Spaces | Main Amp Rating | Mfg. No.* | Advanced ID     | NEMA 1 Box Encl †●□ | Panelboard Front †■□ | NEMA 3R, 5, 12 Encl ††○□ | Encl Height □  |
|------------------------------------|-----------------|-----------|-----------------|---------------------|----------------------|--------------------------|----------------|
| <b>NF Main Lug Interiors</b>       |                 |           |                 |                     |                      |                          |                |
| <b>Single Phase 3-Wire</b>         |                 |           |                 |                     |                      |                          |                |
| 12                                 | 125             | NF12L1    | <b>95042604</b> | MH26(ML), MH38 (MB) | NC26(ML), NC38(MB)   | MH26WP(ML), MH38WP(MB)   | 26(ML), 38(MB) |
| 12                                 | 125             | NF12L1C   | <b>95042605</b> | MH26(ML), MH38 (MB) | NC26(ML), NC38(MB)   | MH26WP(ML), MH38WP(MB)   | 26(ML), 38(MB) |
| 18                                 | 125             | NF18L1    | <b>95042606</b> | MH26(ML), MH38 (MB) | NC26(ML), NC38(MB)   | MH26WP(ML), MH38WP(MB)   | 26(ML), 38(MB) |
| 18                                 | 125             | NF18L1C   | <b>95042607</b> | MH26(ML), MH38 (MB) | NC26(ML), NC38(MB)   | MH26WP(ML), MH38WP(MB)   | 26(ML), 38(MB) |
| 30                                 | 250             | NF30L2    | <b>95042610</b> | MH38(ML), MH50(MB)  | NC38(ML), NC50(MB)   | MH38WP(ML), MH50WP(MB)   | 38(ML), 50(MB) |
| 30                                 | 250             | NF30L2C   | <b>95042594</b> | MH38(ML), MH50(MB)  | NC38(ML), NC50(MB)   | MH38WP(ML), MH50WP(MB)   | 38(ML), 50(MB) |
| 42                                 | 250             | NF42L2    | <b>95042588</b> | MH44(ML), MH56(MB)  | NC44(ML), NC56(MB)   | MH44WP(ML), MH56WP(MB)   | 44(ML), 56(MB) |
| 42                                 | 250             | NF42L2C   | <b>95042589</b> | MH44(ML), MH56(MB)  | NC44(ML), NC56(MB)   | MH44WP(ML), MH56WP(MB)   | 44(ML), 56(MB) |
| 54**                               | 250             | NF54L2    | <b>95042648</b> | MH50(ML), MH62(MB)  | NC50(ML), NC62(MB)   | MH50WP(ML), MH62WP(MB)   | 50(ML), 62(MB) |
| 54**                               | 250             | NF54L2C   | <b>95042649</b> | MH50(ML), MH62(MB)  | NC50(ML), NC62(MB)   | MH50WP(ML), MH62WP(MB)   | 50(ML), 62(MB) |
| 30                                 | 400             | NF30L4    | <b>95042595</b> | MH50(ML), MH62(MB)  | NC50V(ML), NC62V(MB) | MH50WP(ML), MH62WP(MB)   | 50(ML), 62(MB) |
| 30                                 | 400             | NF30L4C   | <b>95042596</b> | MH50(ML), MH62(MB)  | NC50V(ML), NC62V(MB) | MH50WP(ML), MH62WP(MB)   | 50(ML), 62(MB) |
| 42                                 | 400             | NF42L4    | <b>95042590</b> | MH56(ML); MH68(MB)  | NC56V(ML), NC68V(MB) | MH56WP(ML), MH68WP(MB)   | 56(ML), 68(MB) |
| 42                                 | 400             | NF42L4C   | <b>95042591</b> | MH56(ML); MH68(MB)  | NC56V(ML), NC68V(MB) | MH56WP(ML), MH68WP(MB)   | 56(ML), 68(MB) |
| 54**                               | 400             | NF54L4    | <b>95042650</b> | MH62(ML), MH74(MB)  | NC62V(ML), NC74V(MB) | MH62WP(ML), MH74WP(MB)   | 62(ML), 74(MB) |
| 54**                               | 400             | NF54L4C   | <b>95042651</b> | MH62(ML), MH74(MB)  | NC62V(ML), NC74V(MB) | MH62WP(ML), MH74WP(MB)   | 62(ML), 74(MB) |
| 30                                 | 600             | NF30L6C   | <b>95042597</b> | MH50                | NC50V                | Factory Installed Only   | 50             |
| 42                                 | 600             | NF42L6C   | <b>95042592</b> | MH56                | NC56V                | Factory Installed Only   | 56             |
| 54**                               | 600             | NF54L6C   | <b>95042652</b> | MH62                | NC62V                | Factory Installed Only   | 62             |
| <b>Three Phase 4-Wire</b>          |                 |           |                 |                     |                      |                          |                |
| 12                                 | 125             | NF412L1   | <b>95042600</b> | MH26(ML), MH38 (MB) | NC26(ML), NC38(MB)   | MH26WP(ML), MH38WP(MB)   | 26(ML), 38(MB) |
| 12                                 | 125             | NF412L1C  | <b>95042601</b> | MH26(ML), MH38 (MB) | NC26(ML), NC38(MB)   | MH26WP(ML), MH38WP(MB)   | 26(ML), 38(MB) |
| 18                                 | 125             | NF418L1   | <b>95042602</b> | MH26(ML), MH38 (MB) | NC26(ML), NC38(MB)   | MH26WP(ML), MH38WP(MB)   | 26(ML), 38(MB) |
| 18                                 | 125             | NF418L1C  | <b>95042603</b> | MH26(ML), MH38 (MB) | NC26(ML), NC38(MB)   | MH26WP(ML), MH38WP(MB)   | 26(ML), 38(MB) |
| 30                                 | 125             | NF430L1   | <b>96076316</b> | MH32(ML), MH44(MB)  | NC32(ML), NC44(MB)   | MH32WP(ML), MH44WP(MB)   | 32(ML), 44(MB) |
| 30                                 | 125             | NF430L1C  | <b>95042611</b> | MH32(ML), MH44(MB)  | NC32(ML), NC44(MB)   | MH32WP(ML), MH44WP(MB)   | 32(ML), 44(MB) |
| 30                                 | 250             | NF430L2   | <b>95042614</b> | MH38(ML), MH50(MB)  | NC38(ML), NC50(MB)   | MH38WP(ML), MH50WP(MB)   | 38(ML), 50(MB) |
| 30                                 | 250             | NF430L2C  | <b>95042615</b> | MH38(ML), MH50(MB)  | NC38(ML), NC50(MB)   | MH38WP(ML), MH50WP(MB)   | 38(ML), 50(MB) |
| 42                                 | 250             | NF442L2   | <b>95042632</b> | MH44(ML), MH56(MB)  | NC44(ML), NC56(MB)   | MH44WP(ML), MH56WP(MB)   | 44(ML), 56(MB) |
| 42                                 | 250             | NF442L2C  | <b>95042633</b> | MH44(ML), MH56(MB)  | NC44(ML), NC56(MB)   | MH44WP(ML), MH56WP(MB)   | 44(ML), 56(MB) |
| 54**                               | 250             | NF454L2   | <b>95042625</b> | MH50(ML), MH62(MB)  | NC50(ML), NC62(MB)   | MH50WP(ML), MH62WP(MB)   | 50(ML), 62(MB) |
| 54**                               | 250             | NF454L2C  | <b>95042644</b> | MH50(ML), MH62(MB)  | NC50(ML), NC62(MB)   | MH50WP(ML), MH62WP(MB)   | 50(ML), 62(MB) |
| 30                                 | 400             | NF430L4   | <b>95042616</b> | MH50(ML), MH62(MB)  | NC50V(ML), NC62V(MB) | MH50WP(ML), MH62WP(MB)   | 50(ML), 62(MB) |
| 30                                 | 400             | NF430L4C  | <b>95042626</b> | MH50(ML), MH62(MB)  | NC50V(ML), NC62V(MB) | MH50WP(ML), MH62WP(MB)   | 50(ML), 62(MB) |
| 42                                 | 400             | NF442L4   | <b>95042654</b> | MH56(ML); MH68(MB)  | NC56V(ML), NC68V(MB) | MH56WP(ML), MH68WP(MB)   | 56(ML), 68(MB) |
| 42                                 | 400             | NF442L4C  | <b>95042655</b> | MH56(ML); MH68(MB)  | NC56V(ML), NC68V(MB) | MH56WP(ML), MH68WP(MB)   | 56(ML), 68(MB) |
| 54**                               | 400             | NF454L4   | <b>95042645</b> | MH62(ML), MH74(MB)  | NC62V(ML), NC74V(MB) | MH62WP(ML), MH74WP(MB)   | 62(ML), 74(MB) |
| 54**                               | 400             | NF454L4C  | <b>95042646</b> | MH62(ML), MH74(MB)  | NC62V(ML), NC74V(MB) | MH62WP(ML), MH74WP(MB)   | 62(ML), 74(MB) |
| 30                                 | 600             | NF430L6C  | <b>95042627</b> | MH50                | NC50V                | Factory Installed Only   | 50             |
| 42                                 | 600             | NF442L6C  | <b>95042621</b> | MH56                | NC56V                | Factory Installed Only   | 56             |
| 54**                               | 600             | NF454L6C  | <b>95042647</b> | MH62                | NC62V                | Factory Installed Only   | 62             |

\*C' suffix indicates copper bussing.

† Embossed mounting holes add a .25 inch standoff to back of MH box.

‡ Add 'F' for flush, 'S' for surface.

\*\* Refer to 42 circuit rule - NEC Article 408-14 and 408-15

†† Enclosure includes trim kit.

● Box size is 20W x 5.75D in.

○ Enclosure is 20W x 6.5D in.

■ MONO-FLAT® Front.

□(ML) signifies part number for main lug panelboard. (MB) signifies part number for main circuit breaker panelboard. Height in inches.

## NF Merchandised Panelboards

### Accessories

#### Main Circuit Breaker Adapter Kits

Square D®

Circuit breakers purchased separately.

| Mfg. No.  | Advanced ID | Description   |
|---|-------------|---|
| <b>Main Circuit Breaker Adapter Kits (Less Circuit Breaker)</b> |             |   |
| N100MFI   | 99495775    | 100A, FIL Circuit Breaker Frame Type                |
| N150MH  | 25023794    | 150A, HDL, HGL, HJL, HLL Circuit Breaker Frame Type |
| N250MJ  | 25020407    | 250A, JDL, JGL, JLL, JLL Circuit Breaker Frame Type |
| N400M   | 95042542    | 400A, LAL, LHL Circuit Breaker Frame Type           |

## NF Merchandised Panelboards

### Accessories

#### Modifications

Square D®

Single or 3-Phase

| Mfg. No.                                | Advanced ID | Description |
|---|-------------|-------------|
| <b>Sub-Feed Lugs*</b>                   |             |             |
| <b>Aluminum</b>                         |             |             |
| N125SFL                                 | 95042517    | 125A        |
| N250SFL                                 | 95042476    | 250A        |
| N400SFL**                               | 95042543    | 400A        |
| <b>Copper</b>                           |             |             |
| N125SFLC                                | 95042518    | 125A        |
| N250SFLC                                | 95042477    | 250A        |
| N400SFLC                                | 95042544    | 400A        |
| <b>Feed-Thru Lugs*</b>                  |             |             |
| <b>Aluminum</b>                         |             |             |
| N125FTL                                 | 95042515    | 125A        |
| N250FTL                                 | 95042472    | 250A        |
| N400FTL                                 | 95042545    | 400A        |
| <b>Copper</b>                           |             |             |
| N125FTLC                                | 22093438    | 125A        |
| N250FTLC                                | 95042473    | 250A        |
| N400FTLC                                | 95042541    | 400A        |
| <b>Sub-Feed Circuit Breaker Kits‡*†</b> |             |             |
| <b>Single Sub-Feed Circuit Breaker</b>  |             |             |
| N25J0SFBJ††                             |             | 250A        |
| <b>Twin Sub-Feed Circuit Breakers</b>   |             |             |
| N600SFBJ††                              |             | 400A        |
| N600SFBJ††                              |             | 600A        |

\*Available factory assembled only on non-linear panelboards.  
 †Order appropriate circuit breaker.  
 ‡Suitable for top or bottom feed applications.  
 \*\*Use copper wire only.  
 ††N250SFBJ and N600SFBJ are for use with JDL, JGL, JLL, and JLL circuit breakers.

## NF Merchandised Panelboards

### Accessories

#### Special Features Box Selection

Square D®

Standard mechanical lugs only.

| Mfg. No. | Advanced ID | Description   |
|----------|-------------|---|
| MH26     | 88241573    | 100/125A, No. of Ckts - 18(Main Lug/Sub-Feed)   |
| MH32     | 88241578    | 100/125A, No. of Ckts - 30(Main Lug/Sub-Feed); 100/125A, No. of Ckts - 18(Main Lug/Feed -Thru)  |
| MH38     | 88241587    | 250A, No. of Ckts - 30(Main Lug/Sub-Feed); 100/125A, No. of Ckts - 30(Main Lug/Feed -Thru); 100/125A, No. of Ckts - 18(Back-Fed Main Circuit Breaker/Feed-Thru)   |
| MH44     | 88241591    | 250A, No. of Ckts - 42(Main Lug/Sub-Feed); 100/125A, No. of Ckts - 18(Vertical Main Circuit Breaker†/Feed-Thru); 100/125A, No. of Ckts - 30 (Back-Fed Main Circuit Breaker /Feed-Thru)  |
| MH50     | 88241595    | 250A, No. of Ckts - 54(Main Lug/Sub-Feed); 250A, No. of Ckts - 30(Main Lug/Feed-Thru);250A, No. of Ckts - 30(Main Lug/Feed-Thru); 100/125A, No. of Ckts - 30(Vertical Main Circuit Breaker†/Feed-Thru); 100/125A, No. of Ckts - 42 (Back-Fed Main Circuit Breaker/Feed-Thru)  |
| MH56     | 88241600    | 400A, No. of Ckts - 42(Main Lug/Sub-Feed); 400A, No. of Ckts - 30(Main Lug/Feed-Thru); 250A, No. of Ckts - 42(Main Lug/Feed-Thru); 250A, No. of Ckts - 30(Main Lug/Sub-Feed Circuit Breaker)  |
| MH62     | 88241602    | 400A, No. of Ckts - 54(Main Lug/Sub-Feed); 400A, No. of Ckts - 42(Main Lug/Feed-Thru); 250A, No. of Ckts - 54(Main Lug/Feed-Thru); 250A, No. of Ckts - 42(Main Lug/Sub-Feed Circuit Breaker); 250A, No. of Ckts - 30(Vertical Main Circuit Breaker†/Feed-Thru)  |
| MH68     | 88241605    | 400A, No. of Ckts - 54(Main Lug/Feed-Thru); 400A, No. of Ckts - 30(Main Lug/Sub-Feed); 600A, No. of Ckts - 30(Main Lug/Sub-Feed); 250A, No. of Ckts - 54(Main Lug/Sub-Feed Circuit Breaker), 400A, No. of Ckts - 30(Vertical Main Circuit Breaker†/Feed-Thru); 250A, No. of Ckts - 42(Vertical Main Circuit Breaker† /Feed-Thru); 250A, No. of Ckts - 30(Vertical Main Circuit Breaker†/Sub-Feed Circuit Breaker) |
| MH74     | 88241607    | 400A, No. of Ckts - 42(Main Lug/Sub-Feed Circuit Breaker); 600A, No. of Ckts - 30(Main Lug/Sub-Feed Circuit Breaker); 400A, No. of Ckts - 42(Vertical Main Circuit Breaker† /Feed-Thru); 250A, No. of Ckts - 54(Vertical Main Circuit Breaker†/Feed-Thru); 250A, No. of Ckts - 42(Vertical Main Circuit Breaker† /Sub-Feed Circuit Breaker)   |
| MH80     | 99550021    | 400A, No. of Ckts - 54(Main Lug/Sub-Feed Circuit Breaker); 600A, No. of Ckts - 54(Main Lug/Sub-Feed Circuit Breaker); 400A, No. of Ckts - 54(Vertical Main Circuit Breaker† /Feed-Thru); 400A, No. of Ckts - 30(Vertical Main Circuit Breaker†/Sub-Feed Circuit Breaker); 250A, No. of Ckts - 54(Vertical Main Circuit Breaker†/Sub-Feed Circuit Breaker)   |
| MH86     | 22093437    | 400A, No. of Ckts - 42(Vertical Main Circuit Breaker†/Sub-Feed Circuit Breaker)   |

†400A dimension for LA/LH main circuit breakers only.

### NF Merchandised Panelboards

### NF Accessories

Square D®

| Mfg. No.                             | Advanced ID | Description  |
|--------------------------------------|-------------|--|
| <b>Equipment Ground Bars</b>         |             |  |
| PK9GTA                               | 88242156    | 12 circuit 225A Max  |
| PK12GTA                              | 88242133    | 20 circuit 225A Max, 18 circuit 250A Max.                                      |
| PK18GTA                              | 88242137    | 30 circuit 225A Max  |
| PK23GTA                              | 88242140    | 42 circuit 250A Max., 54 circuit 225A Max.                                     |
| PK27GTA                              | 88242142    | 54 circuit 600A Max  |
| PK18GTAL                             | 88242138    | Standard PK18GTA with a #1 to 4/0 Al/Cu Lug                                    |
| PK23GTAL                             | 88242141    | Standard PK23GTA with a #1 to 4/0 Al/Cu Lug                                    |
| <b>Trim Mounting Screws/Hardware</b> |             |  |
| NFTMS1                               | 95042640    | 250A max. interiors (10 per package)   |
| LP9502                               | 96075874    | 800A max. interiors (8 per package)  |
| <b>Other Accessories</b>             |             |  |
| PKGTAB                               | 88242181    | Insulator Kit for PK7GTA thru PK27GTA  |
| EFP                                  | 95042512    | Filler plate   |
| PK22FL                               | 22093460    | Lock - for MONO-FLAT fronts, NEMA 1 Enclosure                                  |
| LP9618                               | 94072188    | Key - NSR-251 (for all locks)  |
| 8003115801                           | 91033988    | Directory card   |
| 8003115901                           | 96075871    | Plastic stick-on directory pouch   |
| HPAFD                                | 96092348    | Handle lockoff/padlock attachment - branch circuit breakers. 1, 2, or 3 poles. |
| 2322000003                           | 22093560    | Nut - interior mounting (4 per package)  |
| NFLN                                 | 95042638    | Leveling nut (flush mount only - 4 per pkg)                                    |
| NF204OE                              | -           | Odd/Even Circuit ID Number Strips 1-204  |
| NF204S                               | -           | Sequential Circuit Number ID Strips 1-204                                      |



### Circuit Breakers - For Merchandised NF Panelboards

#### Class 515

Square D®



**EDB, EGB, EJB**  
1-pole  
15–70 Amperes



**EDB, EGB, EJB**  
2-pole  
15–125 Amperes



**EDB, EGB, EJB**  
3-pole  
15–125 Amperes

#### E-frame—125 A, Thermal-magnetic (480Y/277 Vac)

| Ampere Rating          | ED, EG, EJ (480Y/277 Vac) |      | "D" Interrupting Level 18 kA @ 480Y/277 Vac |             | "G" Interrupting Level 35 kA @ 480Y/277 Vac |             | "J" Interrupting Level 65 kA @ 480Y/277 Vac |             | Terminal Wire Range      |
|------------------------|---------------------------|------|---|-------------|---|-------------|---|-------------|--------------------------|
|                        | Hold                      | Trip | Catalog Number                              | Advanced ID | Catalog Number                              | Advanced ID | Catalog Number                              | Advanced ID |                          |
| <b>1-pole, 277 Vac</b> |                           |      |   |             |   |             |   |             |                          |
| 15                     | 270                       | 875  | EDB14015*†                                  | 96058946    | EGB14015*†                                  | 97194582    | EJB14015*†                                  | 99495811    | AL30FD #14–#6 Al or Cu   |
| 20                     | 270                       | 875  | EDB14020*†                                  | 96058947    | EGB14020*†                                  | 96091614    | EJB14020*†                                  | 99424732    |                          |
| 25                     | 270                       | 875  | EDB14025†                                   | 96076322    | EGB14025†                                   | 98311535    | EJB14025†                                   | 99495812    |                          |
| 30                     | 270                       | 875  | EDB14030†                                   | 96058948    | EGB14030†                                   | 97112282    | EJB14030†                                   | 99495814    |                          |
| 35                     | 630                       | 1800 | EDB14035†                                   | 97273053    | EGB14035†                                   | 97209556    | EJB14035†                                   | 99495816    | AL100FD #14–2/0 Al or Cu |
| 40                     | 630                       | 1800 | EDB14040†                                   | 96075955    | EGB14040†                                   | 97194558    | EJB14040†                                   | 99495817    |                          |
| 45                     | 630                       | 1800 | EDB14045†                                   | 97273054    | EGB14045†                                   | 99495782    | EJB14045†                                   | 99495818    |                          |
| 50                     | 630                       | 1800 | EDB14050†                                   | 96091617    | EGB14050†                                   | 99495783    | EJB14050†                                   | 99495819    |                          |
| 60                     | 630                       | 1800 | EDB14060                                    | 97273055    | EGB14060                                    | 99495786    | EJB14060                                    | 99495820    |                          |
| 60                     | 630                       | 1800 | EDB14070                                    | 97189749    | EGB14070                                    | 99495788    | EJB14070                                    | 99495821    |                          |
| 70                     | 630                       | 1800 | EDB14070                                    | 97189749    | EGB14070                                    | 99495788    | EJB14070                                    | 99495821    |                          |

#### 2-pole, 480Y/277 Vac‡

|     |      |      |           |          |           |          |           |          |                          |
|-----|------|------|-----------|----------|-----------|----------|-----------|----------|--------------------------|
| 15  | 270  | 875  | EDB24015† | 96075957 | EGB24015† | 97188278 | EJB24015† | 98398593 | AL30FD #14–#6 Al or Cu   |
| 20  | 270  | 875  | EDB24020† | 96058950 | EGB24020† | 97128062 | EJB24020† | 97193975 |                          |
| 25  | 270  | 875  | EDB24025† | 96092343 | EGB24025† | 99495790 | EJB24025† | 99495823 |                          |
| 30  | 270  | 875  | EDB24030† | 96058952 | EGB24030† | 99495792 | EJB24030† | 99495824 |                          |
| 35  | 630  | 1800 | EDB24035† | 96092344 | EGB24035† | 97188925 | EJB24035  | 99495826 | AL100FD #14–2/0 Al or Cu |
| 40  | 630  | 1800 | EDB24040† | 96071690 | EGB24040† | 98414258 | EJB24040† | 99495832 |                          |
| 45  | 630  | 1800 | EDB24045† | 99495779 | EGB24045† | 99495793 | EJB24045† | 99495834 |                          |
| 50  | 630  | 1800 | EDB24050† | 96058953 | EGB24050† | 97128063 | EJB24050† | 99495835 |                          |
| 60  | 630  | 1800 | EDB24060  | 96071691 | EGB24060  | 99495795 | EJB24060  | 99495836 |                          |
| 70  | 630  | 1800 | EDB24070  | 96077658 | EGB24070  | 99495796 | EJB24070  | 99495837 |                          |
| 80  | 1000 | 2300 | EDB24080  | 96092345 | EGB24080  | 99495798 | EJB24080  | —        |                          |
| 90  | 1000 | 2300 | EDB24090  | 96092346 | EGB24090  | 97278698 | EJB24090  | —        |                          |
| 100 | 1000 | 2300 | EDB24100  | 96089633 | EGB24100  | 99495799 | EJB24100  | —        |                          |
| 110 | 1000 | 2300 | EDB24110  | 99495780 | EGB24110  | 99495801 | EJB24110  | —        |                          |
| 125 | 1000 | 2300 | EDB24125  | 96092347 | EGB24125  | 99495802 | EJB24125  | —        |                          |

#### 3-pole, 480Y/277 Vac

|     |      |      |           |          |           |          |           |          |                          |
|-----|------|------|-----------|----------|-----------|----------|-----------|----------|--------------------------|
| 15  | 270  | 875  | EDB34015† | 96058954 | EGB34015† | 97128064 | EJB34015† | 98317426 | AL30FD #14–#6 Al or Cu   |
| 20  | 270  | 875  | EDB34020† | 96058955 | EGB34020† | 97128065 | EJB34020† | 97220621 |                          |
| 25  | 270  | 875  | EDB34025† | 96075935 | EGB34025† | 96097828 | EJB34025† | 99495839 |                          |
| 30  | 270  | 875  | EDB34030† | 96058956 | EGB34030† | 97128066 | EJB34030† | 99417789 |                          |
| 35  | 630  | 1800 | EDB34035† | 96075936 | EGB34035† | 97275347 | EJB34035† | 99495840 | AL100FD #14–2/0 Al or Cu |
| 40  | 630  | 1800 | EDB34040† | 96071692 | EGB34040† | 97128071 | EJB34040† | 98398594 |                          |
| 45  | 630  | 1800 | EDB34045† | 97184131 | EGB34045† | 99495804 | EJB34045† | 99495842 |                          |
| 50  | 630  | 1800 | EDB34050† | 96058957 | EGB34050† | 97128067 | EJB34050† | 97274091 |                          |
| 60  | 630  | 1800 | EDB34060  | 96058958 | EGB34060  | 97194559 | EJB34060  | 97194572 |                          |
| 70  | 630  | 1800 | EDB34070  | 96058960 | EGB34070  | 97128069 | EJB34070  | 99495843 |                          |
| 80  | 1000 | 2300 | EDB34080  | 96058962 | EGB34080  | 99495806 | EJB34080  | 22091066 |                          |
| 90  | 1000 | 2300 | EDB34090  | 96058964 | EGB34090  | 99495808 | EJB34090  | 99578045 |                          |
| 100 | 1000 | 2300 | EDB34100  | 96058965 | EGB34100  | 97128070 | EJB34100  | 99701819 |                          |
| 110 | 1000 | 2300 | EDB34110  | 97128073 | EGB34110  | 99495810 | EJB34110  | —        |                          |
| 125 | 1000 | 2300 | EDB34125  | 96077660 | EGB34125  | 97202076 | EJB34125  | 22091067 |                          |

#### EPDs (Equipment Protection Devices), 1-pole, 277 Vac, Thermal-magnetic with 30 mA ground-fault protection Ⓢ

|    |     |      |               |          |               |   |               |   |                        |
|----|-----|------|---------------|----------|---------------|---|---------------|---|------------------------|
| 15 | 270 | 875  | EDB14015EPD*† | —        | EGB14015EPD*† | — | EJB14015EPD*† | — | #14–#6 Cu or #12–#4 Al |
| 20 | 270 | 875  | EDB14020EPD*† | —        | EGB14020EPD*† | — | EJB14020EPD*† | — |                        |
| 30 | 270 | 875  | EDB14030EPD*† | 25064274 | EGB14030EPD†  | — | EJB14030EPD†  | — |                        |
| 40 | 630 | 1800 | EDB14040EPD†  | —        | EGB14040EPD†  | — | EJB14040EPD†  | — |                        |
| 50 | 630 | 1800 | EDB14050EPD†  | —        | EGB14050EPD†  | — | EJB14050EPD†  | — |                        |

All EDB, EGB, and EJB circuit breakers are UL Listed as HACR Type.

\* UL Listed as SWD (Switching Duty rated).

† UL Listed as HID (High Intensity Discharge rated).

‡ UL Listed for use on 240 V Corner-grounded Delta Systems (Grounded B Phase).

Ⓢ All EPDs occupy two spaces, with or without Alarm Switch option.





## I-Line Merchandised Panelboards

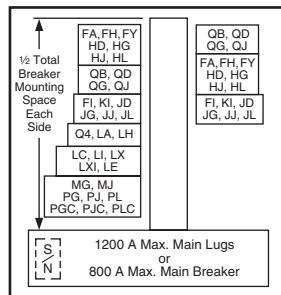
### Main Lug and Main Circuit

#### Class 2110

Square D®

#### TYPE HCP

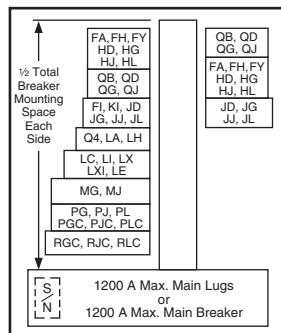
800 A max. branch circuit breaker  
 FA, FH, FI, FY, QB, QD, QG, QJ, HD, HG, HJ, HL, JD, JG, JJ, JL, KI, Q4, LA, LH, LC, LI, LX, LXI, LE, MG, MJ, PG, PJ, PL, PGC, PJC, PLC



Box Size: 42" Wide, 9.5" Deep

#### TYPE HCR-U Universal Mains

1200 A max. branch circuit breaker  
 FA, FH, FI, FY, QB, QD, QG, QJ, HD, HG, HJ, HL, JD, JG, JJ, JL, KI, Q4, LA, LH, LC, LI, LX, LXI, LE, MG, MJ, PG, PJ, PL, PGC, PJC, PCL, RGC, RJC, RLC



Box Size: 44" Wide, 9.5" Deep

(1200 A Interiors Include solid neutral, all others without solid neutral.)

| Total Circuit Breaker Mtg. Space (Inches) | Mains Amp. Rating | Max. No. of LC, MJ, PL, RL Circuit Breakers | Interior Assembly (Less Branch Circuit Breakers) |             | Front*                     |                | Box ‡          |             | Box Height (In.) |
|---|-------------------|---|--|-------------|----------------------------|----------------|----------------|-------------|------------------|
|   |                   |   |  |             | 4 Piece Trim Without Door† | Trim With Door | Catalog        | Advanced ID |                  |
|   |                   |   | Catalog Number                                   | Advanced ID | Catalog Number             | Catalog Number | Catalog Number | Advanced ID |                  |

| HCP Main Lugs Only—3-pole—Suitable for use as service equipment when provided with a main circuit breaker. ▲ |      |     |            |          |           |            |          |          |    |
|--|------|-----|------------|----------|-----------|------------|----------|----------|----|
| 27   | 400  | 1PL | HCP14504   | 22068957 | HCW50T( ) | HCW50T( )D | HC4250DB | 88240746 | 50 |
| 27   | 600  | 1PL | HCP14506   | 22083088 | HCW50T( ) | HCW50T( )D | HC4250DB | 88240746 | 50 |
| 27   | 800  | 1PL | HCP14508   | 22093790 | HCW50T( ) | HCW50T( )D | HC4250DB | 88240746 | 50 |
| 27   | 1200 | 1PL | HCP145012N | —        | HCW50T( ) | HCW50T( )D | HC4250DB | 88240746 | 50 |
| 45   | 400  | 2PL | HCP23594   | 22106198 | HCW59T( ) | HCW59T( )D | HC4259DB | 88240749 | 59 |
| 45   | 600  | 2PL | HCP23596   | 22093791 | HCW59T( ) | HCW59T( )D | HC4259DB | 88240749 | 59 |
| 45   | 800  | 2PL | HCP23598   | 22093792 | HCW59T( ) | HCW59T( )D | HC4259DB | 88240749 | 59 |
| 45   | 1200 | 2PL | HCP235912N | 22106197 | HCW59T( ) | HCW59T( )D | HC4259DB | 88240749 | 59 |
| 63   | 400  | 3PL | HCP32684   | —        | HCW68T( ) | HCW68T( )D | HC4268DB | 88240752 | 68 |
| 63   | 600  | 3PL | HCP32686   | 22093794 | HCW68T( ) | HCW68T( )D | HC4268DB | 88240752 | 68 |
| 63   | 800  | 3PL | HCP32688   | 22054464 | HCW68T( ) | HCW68T( )D | HC4268DB | 88240752 | 68 |
| 63   | 1200 | 3PL | HCP326812N | 22093793 | HCW68T( ) | HCW68T( )D | HC4268DB | 88240752 | 68 |
| 99   | 400  | 5PL | HCP50864   | —        | HCW86T( ) | HCW86T( )D | HC4286DB | 88240755 | 86 |
| 99   | 600  | 5PL | HCP50866   | 22076741 | HCW86T( ) | HCW86T( )D | HC4286DB | 88240755 | 86 |
| 99   | 800  | 5PL | HCP50868   | 22093795 | HCW86T( ) | HCW86T( )D | HC4286DB | 88240755 | 86 |
| 99   | 1200 | 5PL | HCP508612N | —        | HCW86T( ) | HCW86T( )D | HC4286DB | 88240755 | 86 |

HCP Main Circuit Breaker ▼—Includes 3-pole, vertically mounted main circuit breaker—Suitable for use as service equipment.

|    |     |     |           |   |           |            |          |          |    |
|----|-----|-----|-----------|---|-----------|------------|----------|----------|----|
| 36 | 600 | 2LC | HCP18686M | — | HCW68T( ) | HCW68T( )D | HC4268DB | 88240752 | 68 |
| 36 | 800 | 2LC | HCP18688M | — | HCW68T( ) | HCW68T( )D | HC4268DB | 88240752 | 68 |
| 72 | 600 | 4LC | HCP36866M | — | HCW86T( ) | HCW86T( )D | HC4286DB | 88240755 | 86 |
| 72 | 800 | 4LC | HCP36868M | — | HCW86T( ) | HCW86T( )D | HC4286DB | 88240755 | 86 |

#### HCR-U Universal Main Lugs or Main Circuit Breaker ▼—3-pole.

Suitable for use as service equipment when provided with a main circuit breaker. For service equipment main lugs application use HCP panel.  
 For MAIN LUGS panel, order sub-feed lug kit catalog number 533930 and back feed as main lugs.  
 For MAIN CIRCUIT BREAKER panel, order plug-on I-LINE type PG, PJ, PL, RGC, RJC or RLC†† circuit breakers and back feed as the main circuit breaker. (Order solid neutral separately)

|       |      |             |            |          |           |            |          |          |    |
|-------|------|-------------|------------|----------|-----------|------------|----------|----------|----|
| 108** | 1200 | 6PL or 3RLC | HCR548612U | 99943231 | HCR86T( ) | HCR86T( )D | HC4486DB | 99973258 | 86 |
|-------|------|-------------|------------|----------|-----------|------------|----------|----------|----|

\* Add "F" for Flush or "S" for Surface.

† Add-on door kit available. Example: For HCW50TS trim kit, order HCW50D door kit.

‡ See page 8-24 for 42" wide weatherproof enclosures.

\*\* 15" of mounting space is taken up by the back fed main lug kit or RG, RJ, RL main circuit breaker, leaving 93" of branch circuit breaker mounting space.

†† When RL main circuit breakers with equipment ground fault are applied on a 3Ø4W system, order solid neutral catalog number HCR12SNCT. The HCR12SNCT includes a neutral current transformer.

■ FA circuit breakers with field installable ground fault kits may be mounted in type HCP, HCP-SU and HCR-U panelboards as shown, and require L-frame mounting space.

□ PG, PJ, PL circuit breakers are available with both thermal-magnetic equivalent and MICROLOGIC trip. The MICROLOGIC circuit breakers are available 80% and 100% rated. "C" suffix denotes a 100% rating.

▲ Suitable for use as service equipment if equipped with an integral main circuit breaker or when not more than six main disconnecting means are provided and the panelboard is not used as a lighting and appliance branch circuit panelboard.

▼ Circuit breaker interrupting ratings.

### I-LINE® Merchandised Panelboards

#### Accessories

Square D®



Solid Neutral



Equipment Ground Bar



Blank Fillers



Box Extension



Blank Extension

| Mfg. No.  | Advanced ID              | Description  |
|---|--------------------------|--|
| <b>NEMA 3R/5/12 ENCLOSURES</b>  |                          |  |
| HC4250WP  | <a href="#">92104388</a> | Interior Type - HCP, 50H x 42W x 12.95D (Box Dimensions)   |
| HC4259WP  | <a href="#">96092326</a> | Interior Type - HCP, 59H x 42W x 12.95D (Box Dimensions)   |
| HC4268WP  | <a href="#">98303917</a> | Interior Type - HCP, 68H x 42W x 12.95D (Box Dimensions)   |
| HC4286WP  | <a href="#">96095960</a> | Interior Type - HCP, 86H x 42W x 12.95D (Box Dimensions)   |
| HC4486WP  | <a href="#">22093747</a> | Interior Type - HCR-U, 86HX44WX14.50D (Box Dimensions)   |
| <b>Sub-Feed Lug Kits (Plug-on in same manner as a branch circuit breaker)</b> |                          |  |
| SL100   | <a href="#">88243516</a> | 100A, 4.5 in. H, 240V AC/65,000 RMS, 480V AC/25,000 RMS, 600V AC/18,000 RMS, Protected by Circuit Breaker FH, For use with I-LINE Panelboard Types HCN, HCM, HCP, HCP-SU |
| SL400†  | <a href="#">88243518</a> | 400A, 6 in. H, 240V AC/65,000 RMS, 480V AC/35,000 RMS, 600V AC/25,000 RMS, Protected by Circuit Breaker LH, For use with I-LINE Panelboard Types HCP, HCP-SU             |
| SL800   | <a href="#">88243519</a> | 800A, 9 in. H, 240V AC/65,000 RMS, 480V AC/65,000 RMS, 600V AC/25,000 RMS, Protected by Circuit Breaker MH, For use with I-LINE Panelboard Types HCM, HCP, HCP-SU        |
| <b>Blank Fillers</b>  |                          |  |
| HNM1BL  | <a href="#">88240870</a> | 1.5 in. (3 per package)  |
| <b>Solid Neutral Assemblies</b>   |                          |  |
| HC2SN   | <a href="#">88240726</a> | 225A   |
| HC4SN‡  | <a href="#">88240759</a> | 400A   |
| HCW4SN**  | <a href="#">88240848</a> | 400A   |
| HC6SN‡  | <a href="#">88240765</a> | 600A   |
| HCW6SN**  | <a href="#">88240853</a> | 600A   |
| HC8SN‡  | <a href="#">88240769</a> | 800A   |
| HCW8SN**  | <a href="#">88240854</a> | 800A   |
| HCW12SN**   | <a href="#">92104253</a> | 800A   |
| HCWM12SN††  | <a href="#">88317406</a> | 1200A■   |
| HCR12SNCT††   | <a href="#">22093799</a> | 1200A■   |
| <b>Equipment Ground Bar Kits</b>  |                          |  |
| PK27GTA   | <a href="#">88242142</a> | 54 circuit 600A Max  |
| PK32DGTA  | <a href="#">88242145</a> | HCM, HCP, HCR-U  |
| <b>Blank Extensions□</b>  |                          |  |
| HLW1BL  | <a href="#">88240868</a> | 1.5 in. (3 per package)  |
| HLW4BL  | <a href="#">88240869</a> | 4.5 in. (5 per package)  |

†SL400 cannot be used in HCM panelboards due to inadequate wire bending space.

‡Used on Type HCN, HCM

\*\*Used on Type HCP (main lugs)

††Used on Type HCR-U

■For use with HCR-U universal panel only (includes neutral CT for 3Ø4W system).

□For replacement purposes only in Type HCP, HCR-U panelboards.

### Circuit Breakers - For I-LINE® Panelboards and Switchboards

#### F-Frame

#### Class 650, 651

Square D®



**FA/FH  
1-pole  
1.5 in (38 mm)  
Mounting Height**



**FA/FH  
2-pole  
3 in (76 mm)  
Mounting Height**



**FA/FH/FC  
3-pole  
4.5 in (114 mm) Mounting Height**

**Example:** FJA, 20 A 1-pole, 277 Vac and 70 A 2- and 3-pole QB 240 Vac. Use phase option number for HD, HG, HJ, HL, JD, JG, JJ, JL, MG and MJ.

| Phase Option Number | Phase Connection | 1-pole    | 2-pole    | 3-pole    |
|---------------------|------------------|-----------|-----------|-----------|
| 1                   | A                | FJA140201 | —         | —         |
| 3                   | B                | FJA140203 | —         | —         |
| 5                   | C                | FJA140205 | —         | —         |
| 1                   | AB               | —         | QBA220701 | —         |
| 2                   | AC               | —         | QBA220702 | —         |
| 3                   | BA               | —         | QBA220703 | —         |
| 4                   | BC               | —         | QBA220704 | —         |
| 5                   | CA               | —         | QBA220705 | —         |
| 6                   | CB               | —         | QBA220706 | —         |
| Standard ○          | ABC              | —         | —         | QBA32070  |
| 6                   | CBA              | —         | —         | QBA320706 |

○ The absence of a phase option number after a 3-pole catalog number will result in an ABC phase connection.

**Example:** FA, 30 A, 480 Vac. Use phase option letters for FC, FH, FI, KA, KC, KH, KI, Q4, LA, LH, LC, LI, MA AND MH.

| Phase Option Letter | 1-pole   | 2-pole    | 3-pole     |
|---------------------|----------|-----------|------------|
| A                   | FA14035A | —         | —          |
| B                   | FA14035B | —         | —          |
| C                   | FA14035C | —         | —          |
| AB                  | —        | FA24030AB | —          |
| AC                  | —        | FA24030AC | —          |
| BC                  | —        | FA24030BC | —          |
| ABC                 | —        | —         | FA34030    |
| CBA                 | —        | —         | FA34030CBA |

#### Interrupting Ratings (kA)

|       | FA (240 V) | FA (480 V)          |
|-------|------------|---------------------|
| 240 V | 10         | 18 (1P), 25 (2, 3P) |
| 277 V | —          | 18                  |
| 480 V | —          | 18                  |
| 600 V | —          | —                   |

#### F-frame—100 A, Thermal-magnetic (240 Vac)

| Ampere Rating            | AC Magnetic Trip Settings |      | Standard Interrupting Catalog Number | Terminal Wire Range                              |
|--------------------------|---------------------------|------|--------------------------------------|--|
|                          | Hold                      | Trip |                                      |  |
| <b>2-pole, 240 Vac**</b> |                           |      |                                      |  |
| 15                       | 275                       | 600  | FA22015( )                           | AL50FA<br>#14-#4 AWG Cu or<br>#12-#4 AWG Al      |
| 20                       | 275                       | 600  | FA22020( )                           |  |
| 25                       | 275                       | 600  | FA22025( )                           |  |
| 30                       | 275                       | 600  | FA22030( )                           |  |
| 35                       | 400                       | 850  | FA22035( )                           | AL100FA<br>#14-#1/0 AWG Cu<br>or #12-#1/0 AWG Al |
| 40                       | 400                       | 850  | FA22040( )                           |  |
| 45                       | 400                       | 850  | FA22045( )                           |  |
| 50                       | 400                       | 850  | FA22050( )                           |  |
| 60                       | 800                       | 1450 | FA22060( )                           |  |
| 70                       | 800                       | 1450 | FA22070( )                           |  |
| 80                       | 800                       | 1450 | FA22080( )                           |  |
| 90                       | 900                       | 1700 | FA22090( )                           |  |
| 100                      | 900                       | 1700 | FA22100( )                           |  |
| <b>3-pole, 240 Vac</b>   |                           |      |                                      |  |
| 15                       | 275                       | 600  | FA32015                              | AL50FA<br>#14-#4 AWG Cu or<br>#12-#4 AWG Al      |
| 20                       | 275                       | 600  | FA32020                              |  |
| 25                       | 275                       | 600  | FA32025                              |  |
| 30                       | 275                       | 600  | FA32030                              |  |
| 35                       | 400                       | 850  | FA32035                              | AL100FA<br>#14-#1/0 AWG Cu<br>or #12-#1/0 AWG Al |
| 40                       | 400                       | 850  | FA32040                              |  |
| 45                       | 400                       | 850  | FA32045                              |  |
| 50                       | 400                       | 850  | FA32050                              |  |
| 60                       | 800                       | 1450 | FA32060                              |  |
| 70                       | 800                       | 1450 | FA32070                              |  |
| 80                       | 800                       | 1450 | FA32080                              |  |
| 90                       | 900                       | 1700 | FA32090                              |  |
| 100                      | 900                       | 1700 | FA32100                              |  |

#### F-frame—100 A, Thermal-magnetic (480 Vac)

| Ampere Rating                      | AC Magnetic Trip Settings |      | Standard Interrupting Catalog Number | Terminal Wire Range                                 |  |
|------------------------------------|---------------------------|------|--------------------------------------|---|--|
|                                    | Hold                      | Trip |                                      | FY/FA Lugs  | FJ/FC Lugs   |
| <b>1-pole, 277 Vac, 125 Vdc**</b>  |                           |      |                                      |   |  |
| 15                                 | 275                       | 600  | FY14015( )††                         | AL50FA<br>#14-#4 AWG Cu or<br>#12-#4 AWG Al         | AL30FD<br>#12-#6 AWG Al<br>or<br>#14-#6 AWG Cu                 |
| 20                                 | 275                       | 600  | FY14020( )††                         |   |  |
| 25                                 | 275                       | 600  | FY14025( )††                         |   |  |
| 30                                 | 275                       | 600  | FY14030( )††                         |   |  |
| 35                                 | 400                       | 850  | FA14035( )‡                          | AL100FA<br>#14-#1/0 AWG<br>Cu or<br>#12-#1/0 AWG Al | AL100FD<br>#12-#2/0 AWG Al<br>or<br>#14-#2/0 AWG<br>Cu         |
| 40                                 | 400                       | 850  | FA14040( )‡                          |   |  |
| 45                                 | 400                       | 850  | FA14045( )‡                          |   |  |
| 50                                 | 400                       | 850  | FA14050( )‡                          |   |  |
| 60                                 | 800                       | 1450 | FA14060( )‡                          |   |  |
| 70                                 | 800                       | 1450 | FA14070( )‡                          |   |  |
| 80                                 | 800                       | 1450 | FA14080( )‡                          |   |  |
| 90                                 | 900                       | 1700 | FA14090( )‡                          |   |  |
| 100                                | 900                       | 1700 | FA14100( )‡                          |   |  |
| <b>2-pole, 480 Vac, 250 Vdc***</b> |                           |      |                                      |   |  |
| 15                                 | 275                       | 600  | FA24015( )                           | AL50FA<br>#14-#4 AWG Cu<br>or<br>#12-#4 AWG Al      | CU30FA4<br>(1) #14-#10 AWG<br>Cu only                          |
| 20                                 | 275                       | 600  | FA24020( )                           |   |  |
| 25                                 | 275                       | 600  | FA24025( )                           |   |  |
| 30                                 | 275                       | 600  | FA24030( )                           |   |  |
| 35                                 | 400                       | 850  | FA24035( )                           | AL100FA<br>#14-#1/0 AWG<br>Cu or<br>#12-#1/0 AWG Al | AL100FA4<br>(1) #14-#3 AWG<br>Cu<br>or<br>(1) #12-#1 AWG<br>Al |
| 40                                 | 400                       | 850  | FA24040( )                           |   |  |
| 45                                 | 400                       | 850  | FA24045( )                           |   |  |
| 50                                 | 400                       | 850  | FA24050( )                           |   |  |
| 60                                 | 800                       | 1450 | FA24060( )                           |   |  |
| 70                                 | 800                       | 1450 | FA24070( )                           |   |  |
| 80                                 | 800                       | 1450 | FA24080( )                           |   |  |
| 90                                 | 900                       | 1700 | FA24090( )                           |   |  |
| 100                                | 900                       | 1700 | FA24100( )                           |   |  |
| <b>3-pole, 480 Vac, 250 Vdc†</b>   |                           |      |                                      |   |  |
| 15                                 | 275                       | 600  | FA34015                              | AL50FA<br>#14-#4 AWG Cu<br>or<br>#12-#4 AWG Al      | CU30FA4<br>(1) #14-#10 AWG<br>Cu only                          |
| 20                                 | 275                       | 600  | FA34020                              |   |  |
| 25                                 | 275                       | 600  | FA34025                              |   |  |
| 30                                 | 275                       | 600  | FA34030                              |   |  |
| 35                                 | 400                       | 850  | FA34035                              | AL100FA<br>#14-#1/0 AWG<br>Cu or<br>#12-#1/0 AWG Al | AL100FA4<br>(1) #14-#3 AWG<br>Cu<br>or<br>(1) #12-#1 AWG<br>Al |
| 40                                 | 400                       | 850  | FA34040                              |   |  |
| 45                                 | 400                       | 850  | FA34045                              |   |  |
| 50                                 | 400                       | 850  | FA34050                              |   |  |
| 60                                 | 800                       | 1450 | FA34060                              |   |  |
| 70                                 | 800                       | 1450 | FA34070                              |   |  |
| 80                                 | 800                       | 1450 | FA34080                              |   |  |
| 90                                 | 900                       | 1700 | FA34090                              |   |  |
| 100                                | 900                       | 1700 | FA34100                              |   |  |

\* FCL 2-pole circuit breaker built using 3-pole module.

† FCL circuit breakers are not rated for 250 VDC.

‡ Rated 277 VAC, 125 VDC, except FY circuit breakers, which have no DC rating. 15-30 ampere circuit breakers suitable for use with 60°C or 75°C conductors. 35-100 ampere circuit breakers are suitable for use with 75°C conductors.

\*\* 1- and 2-pole circuit breaker catalog numbers are completed by adding the required phase connection letters as a suffix.

†† Rated 277 VAC 15 and 20 ampere FY circuit breakers are rated for switching duty (SWD). 15, 20, 25 and 30 ampere FA I-LINE circuit breakers are also available (no SWD rating).

### Circuit Breakers - For I-LINE® Panelboards and Switchboards

#### H and J-frame

#### Class 612

Square D®



HD/HG 2-pole  
3" (76 mm)  
Mounting Height



H-frame 3-pole  
4.5" (114 mm)  
Mounting Height



J-frame 3-pole  
4.5 in (114 mm)  
Mounting Height

#### H-frame 150 A Standard Rated Thermal Magnetic (600 Vac) with Factory Sealed Trip Units

| Ampere Rating                   | AC Magnetic Trip Setting |      | D Interrupting | G Interrupting | J Interrupting | L Interrupting | Terminal Wire Range                 |
|---------------------------------|--------------------------|------|----------------|----------------|----------------|----------------|-------------------------------------|
|                                 | Hold                     | Trip | Catalog No.    | Catalog No.    | Catalog No.    | Catalog No.    |                                     |
| <b>2-pole, 600 Vac 50/60 Hz</b> |                          |      |                |                |                |                |                                     |
| 15                              | 350                      | 750  | HDA26015       | HGA26015       | HJA26015       | HLA26015       | AL150HD<br>#14-#3/0 AWG<br>Al or Cu |
| 20                              | 350                      | 750  | HDA26020       | HGA26020       | HJA26020       | HLA26020       |                                     |
| 25                              | 350                      | 750  | HDA26025       | HGA26025       | HJA26025       | HLA26025       |                                     |
| 30                              | 350                      | 750  | HDA26030       | HGA26030       | HJA26030       | HLA26030       |                                     |
| 35                              | 400                      | 850  | HDA26035       | HGA26035       | HJA26035       | HLA26035       |                                     |
| 40                              | 400                      | 850  | HDA26040       | HGA26040       | HJA26040       | HLA26040       |                                     |
| 45                              | 400                      | 850  | HDA26045       | HGA26045       | HJA26045       | HLA26045       |                                     |
| 50                              | 400                      | 850  | HDA26050       | HGA26050       | HJA26050       | HLA26050       |                                     |
| 60                              | 800                      | 1450 | HDA26060       | HGA26060       | HJA26060       | HLA26060       |                                     |
| 70                              | 800                      | 1450 | HDA26070       | HGA26070       | HJA26070       | HLA26070       |                                     |
| 80                              | 800                      | 1450 | HDA26080       | HGA26080       | HJA26080       | HLA26080       |                                     |
| 90                              | 800                      | 1450 | HDA26090       | HGA26090       | HJA26090       | HLA26090       |                                     |
| 100                             | 900                      | 1700 | HDA26100       | HGA26100       | HJA26100       | HLA26100       |                                     |
| 110                             | 900                      | 1700 | HDA26110       | HGA26110       | HJA26110       | HLA26110       |                                     |
| 125                             | 900                      | 1700 | HDA26125       | HGA26125       | HJA26125       | HLA26125       |                                     |
| 150                             | 900                      | 1700 | HDA26150       | HGA26150       | HJA26150       | HLA26150       |                                     |

#### 3-pole, 600 Vac 50/60 Hz

|     |     |      |          |          |          |          |                                     |
|-----|-----|------|----------|----------|----------|----------|-------------------------------------|
| 15  | 350 | 750  | HDA36015 | HGA36015 | HJA36015 | HLA36015 | AL150HD<br>#14-#3/0 AWG<br>Al or Cu |
| 20  | 350 | 750  | HDA36020 | HGA36020 | HJA36020 | HLA36020 |                                     |
| 25  | 350 | 750  | HDA36025 | HGA36025 | HJA36025 | HLA36025 |                                     |
| 30  | 350 | 750  | HDA36030 | HGA36030 | HJA36030 | HLA36030 |                                     |
| 35  | 400 | 850  | HDA36035 | HGA36035 | HJA36035 | HLA36035 |                                     |
| 40  | 400 | 850  | HDA36040 | HGA36040 | HJA36040 | HLA36040 |                                     |
| 45  | 400 | 850  | HDA36045 | HGA36045 | HJA36045 | HLA36045 |                                     |
| 50  | 400 | 850  | HDA36050 | HGA36050 | HJA36050 | HLA36050 |                                     |
| 60  | 800 | 1450 | HDA36060 | HGA36060 | HJA36060 | HLA36060 |                                     |
| 70  | 800 | 1450 | HDA36070 | HGA36070 | HJA36070 | HLA36070 |                                     |
| 80  | 800 | 1450 | HDA36080 | HGA36080 | HJA36080 | HLA36080 |                                     |
| 90  | 800 | 1450 | HDA36090 | HGA36090 | HJA36090 | HLA36090 |                                     |
| 100 | 900 | 1700 | HDA36100 | HGA36100 | HJA36100 | HLA36100 |                                     |
| 110 | 900 | 1700 | HDA36110 | HGA36110 | HJA36110 | HLA36110 |                                     |
| 125 | 900 | 1700 | HDA36125 | HGA36125 | HJA36125 | HLA36125 |                                     |
| 150 | 900 | 1700 | HDA36150 | HGA36150 | HJA36150 | HLA36150 |                                     |

#### J-frame 250 A Standard Rated Thermal Magnetic (600 Vac) with Factory Sealed Trip Units

| Ampere Rating                   | AC Magnetic Trip Setting* |      | D Interrupting | G Interrupting | J Interrupting | L Interrupting | Terminal Wire Range                   |
|---------------------------------|---------------------------|------|----------------|----------------|----------------|----------------|---------------------------------------|
|                                 | Low                       | High | Catalog No.    | Catalog No.    | Catalog No.    | Catalog No.    |                                       |
| <b>2-pole, 600 Vac 50/60 Hz</b> |                           |      |                |                |                |                |                                       |
| 150                             | 750                       | 1500 | JDA26150       | JGA26150       | JJA26150       | JLA26150       | AL175JD<br>#1/0-4/0 AWG<br>Al or Cu   |
| 175                             | 875                       | 1750 | JDA26175       | JGA26175       | JJA26175       | JLA26175       |                                       |
| 200                             | 1000                      | 2000 | JDA26200       | JGA26200       | JJA26200       | JLA26200       | AL250JD<br>#3/0-350 kcmil<br>Al or Cu |
| 225                             | 1125                      | 2250 | JDA26225       | JGA26225       | JJA26225       | JLA26225       |                                       |
| 250                             | 1250                      | 2500 | JDA26250       | JGA26250       | JJA26250       | JLA26250       |                                       |
| <b>3-pole, 600 Vac 50/60 Hz</b> |                           |      |                |                |                |                |                                       |
| 150                             | 750                       | 1500 | JDA36150       | JGA36150       | JJA36150       | JLA36150       | AL175JD<br>#1/0-4/0 AWG<br>Al or Cu   |
| 175                             | 875                       | 1750 | JDA36175       | JGA36175       | JJA36175       | JLA36175       |                                       |
| 200                             | 1000                      | 2000 | JDA36200       | JGA36200       | JJA36200       | JLA36200       | AL250JD<br>#3/0-350 kcmil<br>Al or Cu |
| 225                             | 1125                      | 2250 | JDA36225       | JGA36225       | JJA36225       | JLA36225       |                                       |
| 250                             | 1250                      | 2500 | JDA36250       | JGA36250       | JJA36250       | JLA36250       |                                       |

\* UL magnetic trip setting tolerances are -20%/+30% (Low) and -20%/+30% (High) from the nominal values shown.

#### Phase Options—Example HDA36150( )

| Phase Option Number | Phase Connection | 2-pole    | 3-pole    |
|---------------------|------------------|-----------|-----------|
| 1                   | AB               | HDA261501 | —         |
| 2                   | AC               | HDA261502 | —         |
| 3                   | BA               | HDA261503 | —         |
| 4                   | BC               | HDA261504 | —         |
| 5                   | CA               | HDA261505 | —         |
| 6                   | CB               | HDA261506 | —         |
| Standard            | ABC              | —         | HDA36150  |
|                     | CBA              | —         | HDA361506 |

#### Interrupting Ratings (kA)

|      | D  | G  | J   | L   |
|------|----|----|-----|-----|
| 240V | 25 | 65 | 100 | 125 |
| 480V | 18 | 35 | 65  | 100 |
| 600V | 14 | 18 | 25  | 50  |



## Circuit Breakers - For I-LINE® Panelboards and Switchboards

## POWERPACT® L-frame

## Class 660, 665, 670, 830

Square D®

L-frame - 400A, thermal magnetic (600V AC).

| Continuous Current Rating       | Trip Setting Range *    | Mfg. No.  | Advanced ID     | Interrupt Rating (AIR) | Wire Range   |
|---------------------------------|-------------------------|-----------|-----------------|------------------------|--|
| <b>2-Pole, 600V AC, 250V DC</b> |                         |           |                 |                        |  |
| 300                             | Low - 1500, High - 3000 | LA26300AB | <b>88241118</b> | Standard Interrupting  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 300                             | Low - 1500, High - 3000 | LA26300AC | <b>92104224</b> | Standard Interrupting  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 300                             | Low - 1500, High - 3000 | LA26300BC | <b>22090629</b> | Standard Interrupting  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 300                             | Low - 1500, High - 3000 | LH26300AB | <b>22090640</b> | High Interrupting      | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 300                             | Low - 1500, High - 3000 | LH26300AC | <b>22090641</b> | High Interrupting      | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 300                             | Low - 1500, High - 3000 | LH26300BC | <b>22090642</b> | High Interrupting      | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 350                             | Low - 1750, High - 3500 | LA26350AB | <b>99842169</b> | Standard Interrupting  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 350                             | Low - 1750, High - 3500 | LA26350AC | <b>99842170</b> | Standard Interrupting  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 350                             | Low - 1750, High - 3500 | LA26350BC | <b>99842173</b> | Standard Interrupting  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 350                             | Low - 1750, High - 3500 | LH26350AB | <b>22090643</b> | High Interrupting      | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 350                             | Low - 1750, High - 3500 | LH26350AC | <b>22090644</b> | High Interrupting      | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 350                             | Low - 1750, High - 3500 | LH26350BC | <b>22090645</b> | High Interrupting      | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 400                             | Low - 2000, High - 4000 | LA26400AB | <b>88241119</b> | Standard Interrupting  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 400                             | Low - 2000, High - 4000 | LA26400AC | <b>89002727</b> | Standard Interrupting  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 400                             | Low - 2000, High - 4000 | LA26400BC | <b>22090630</b> | Standard Interrupting  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 400                             | Low - 2000, High - 4000 | LH26400AB | <b>22090646</b> | High Interrupting      | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 400                             | Low - 2000, High - 4000 | LH26400AC | <b>22090647</b> | High Interrupting      | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 400                             | Low - 2000, High - 4000 | LH26400BC | <b>22090648</b> | High Interrupting      | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| <b>3-Pole, 600V AC, 250V DC</b> |                         |           |                 |                        |  |
| 300                             | Low - 1500, High - 3000 | LA36300   | <b>88241126</b> | Standard Interrupting  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 300                             | Low - 1500, High - 3000 | LH36300   | <b>92104746</b> | High Interrupting      | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 350                             | Low - 1750, High - 3500 | LA36350   | <b>88241127</b> | Standard Interrupting  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 350                             | Low - 1750, High - 3500 | LH36350   | <b>92104747</b> | High Interrupting      | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 400                             | Low - 2000, High - 4000 | LA36400   | <b>88241128</b> | Standard Interrupting  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 400                             | Low - 2000, High - 4000 | LH36400   | <b>88241453</b> | High Interrupting      | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |

\*UL magnetic trip setting tolerances are ±25% (low) and ±20% (high) from nominal values shown.



### Circuit Breakers - For I-LINE® Panelboards and Switchboards

#### POWERPACT® M-frame

#### Class 612, 661

Square D®

M-frame - 800A.

| Continuous Current Rating         | Trip Setting Range †    | Mfg. No. * | Advanced ID | Interrupt Rating (AIR)   | Wire Range                    |
|-----------------------------------|-------------------------|------------|-------------|--------------------------|-------------------------------|
| <b>2-Pole, 600V AC, 50/60 Hz*</b> |                         |            |             |                          |                               |
| 300                               | Low - 600, High - 3000  | MGA263002  | -           | "G" Interrupting, 65 kA  | 3-3/0 through 500 kcmil Al/Cu |
| 300                               | Low - 600, High - 3000  | MGA263005  | -           | "G" Interrupting, 65 kA  | 3-3/0 through 500 kcmil Al/Cu |
| 300                               | Low - 600, High - 3000  | MJA263002  | -           | "G" Interrupting, 65 kA  | 3-3/0 through 500 kcmil Al/Cu |
| 300                               | Low - 600, High - 3000  | MJA263005  | -           | "G" Interrupting, 65 kA  | 3-3/0 through 500 kcmil Al/Cu |
| 350                               | Low - 700, High - 3500  | MGA263502  | -           | "J" Interrupting, 100 kA | 3-3/0 through 500 kcmil Al/Cu |
| 350                               | Low - 700, High - 3500  | MGA263505  | -           | "J" Interrupting, 100 kA | 3-3/0 through 500 kcmil Al/Cu |
| 350                               | Low - 700, High - 3500  | MJA263502  | -           | "J" Interrupting, 100 kA | 3-3/0 through 500 kcmil Al/Cu |
| 350                               | Low - 700, High - 3500  | MJA263505  | -           | "J" Interrupting, 100 kA | 3-3/0 through 500 kcmil Al/Cu |
| 400                               | Low - 800, High - 4000  | MGA264002  | -           | "G" Interrupting, 65 kA  | 3-3/0 through 500 kcmil Al/Cu |
| 400                               | Low - 800, High - 4000  | MGA264005  | -           | "G" Interrupting, 65 kA  | 3-3/0 through 500 kcmil Al/Cu |
| 400                               | Low - 800, High - 4000  | MJA264002  | -           | "G" Interrupting, 65 kA  | 3-3/0 through 500 kcmil Al/Cu |
| 400                               | Low - 800, High - 4000  | MJA264005  | -           | "G" Interrupting, 65 kA  | 3-3/0 through 500 kcmil Al/Cu |
| 450                               | Low - 900, High - 4500  | MGA264502  | -           | "J" Interrupting, 100 kA | 3-3/0 through 500 kcmil Al/Cu |
| 450                               | Low - 900, High - 4500  | MGA264505  | -           | "J" Interrupting, 100 kA | 3-3/0 through 500 kcmil Al/Cu |
| 450                               | Low - 900, High - 4500  | MJA264502  | -           | "J" Interrupting, 100 kA | 3-3/0 through 500 kcmil Al/Cu |
| 450                               | Low - 900, High - 4500  | MJA264505  | -           | "J" Interrupting, 100 kA | 3-3/0 through 500 kcmil Al/Cu |
| 500                               | Low - 1000, High - 5000 | MGA265002  | -           | "G" Interrupting, 65 kA  | 3-3/0 through 500 kcmil Al/Cu |
| 500                               | Low - 1000, High - 5000 | MGA265005  | -           | "G" Interrupting, 65 kA  | 3-3/0 through 500 kcmil Al/Cu |
| 500                               | Low - 1000, High - 5000 | MJA265002  | -           | "G" Interrupting, 65 kA  | 3-3/0 through 500 kcmil Al/Cu |
| 500                               | Low - 1000, High - 5000 | MJA265005  | -           | "G" Interrupting, 65 kA  | 3-3/0 through 500 kcmil Al/Cu |
| 600                               | Low - 1200, High - 6000 | MGA266002  | -           | "J" Interrupting, 100 kA | 3-3/0 through 500 kcmil Al/Cu |
| 600                               | Low - 1200, High - 6000 | MGA266005  | -           | "J" Interrupting, 100 kA | 3-3/0 through 500 kcmil Al/Cu |
| 600                               | Low - 1200, High - 6000 | MJA266002  | -           | "J" Interrupting, 100 kA | 3-3/0 through 500 kcmil Al/Cu |
| 600                               | Low - 1200, High - 6000 | MJA266005  | -           | "J" Interrupting, 100 kA | 3-3/0 through 500 kcmil Al/Cu |
| 700                               | Low - 1400, High - 7000 | MGA267002  | -           | "G" Interrupting, 65 kA  | 3-3/0 through 500 kcmil Al/Cu |
| 700                               | Low - 1400, High - 7000 | MGA267005  | -           | "G" Interrupting, 65 kA  | 3-3/0 through 500 kcmil Al/Cu |
| 700                               | Low - 1400, High - 7000 | MJA267002  | -           | "G" Interrupting, 65 kA  | 3-3/0 through 500 kcmil Al/Cu |
| 700                               | Low - 1400, High - 7000 | MJA267005  | -           | "G" Interrupting, 65 kA  | 3-3/0 through 500 kcmil Al/Cu |
| 800                               | Low - 1600, High - 8000 | MGA268002  | -           | "J" Interrupting, 100 kA | 3-3/0 through 500 kcmil Al/Cu |
| 800                               | Low - 1600, High - 8000 | MGA268005  | -           | "J" Interrupting, 100 kA | 3-3/0 through 500 kcmil Al/Cu |
| 800                               | Low - 1600, High - 8000 | MJA268002  | -           | "J" Interrupting, 100 kA | 3-3/0 through 500 kcmil Al/Cu |
| 800                               | Low - 1600, High - 8000 | MJA268005  | -           | "J" Interrupting, 100 kA | 3-3/0 through 500 kcmil Al/Cu |
| <b>3-Pole, 600V AC, 50/60 Hz</b>  |                         |            |             |                          |                               |
| 300                               | Low - 600, High - 3000  | MGA36300   | -           | "G" Interrupting, 65 kA  | 3-3/0 through 500 kcmil Al/Cu |
| 300                               | Low - 600, High - 3000  | MJA36300   | -           | "G" Interrupting, 65 kA  | 3-3/0 through 500 kcmil Al/Cu |
| 350                               | Low - 700, High - 3500  | MGA36350   | -           | "J" Interrupting, 100 kA | 3-3/0 through 500 kcmil Al/Cu |
| 350                               | Low - 700, High - 3500  | MJA36350   | -           | "J" Interrupting, 100 kA | 3-3/0 through 500 kcmil Al/Cu |
| 400                               | Low - 800, High - 4000  | MGA36400   | -           | "G" Interrupting, 65 kA  | 3-3/0 through 500 kcmil Al/Cu |
| 400                               | Low - 800, High - 4000  | MJA36400   | -           | "G" Interrupting, 65 kA  | 3-3/0 through 500 kcmil Al/Cu |
| 450                               | Low - 900, High - 4500  | MGA36450   | -           | "J" Interrupting, 100 kA | 3-3/0 through 500 kcmil Al/Cu |
| 450                               | Low - 900, High - 4500  | MJA36450   | -           | "J" Interrupting, 100 kA | 3-3/0 through 500 kcmil Al/Cu |
| 500                               | Low - 1000, High - 5000 | MGA36500   | -           | "G" Interrupting, 65 kA  | 3-3/0 through 500 kcmil Al/Cu |
| 500                               | Low - 1000, High - 5000 | MJA36500   | -           | "G" Interrupting, 65 kA  | 3-3/0 through 500 kcmil Al/Cu |
| 600                               | Low - 1200, High - 6000 | MGA36600   | -           | "J" Interrupting, 100 kA | 3-3/0 through 500 kcmil Al/Cu |
| 600                               | Low - 1200, High - 6000 | MJA36600   | -           | "J" Interrupting, 100 kA | 3-3/0 through 500 kcmil Al/Cu |
| 700                               | Low - 1400, High - 7000 | MGA36700   | -           | "G" Interrupting, 65 kA  | 3-3/0 through 500 kcmil Al/Cu |
| 700                               | Low - 1400, High - 7000 | MJA36700   | -           | "G" Interrupting, 65 kA  | 3-3/0 through 500 kcmil Al/Cu |
| 800                               | Low - 1600, High - 8000 | MGA36800   | -           | "J" Interrupting, 100 kA | 3-3/0 through 500 kcmil Al/Cu |
| 800                               | Low - 1600, High - 8000 | MJA36800   | -           | "J" Interrupting, 100 kA | 3-3/0 through 500 kcmil Al/Cu |

\*A '2' at the end of the Mfg.No. represents AC phase connection. A '5' at the end of the Mfg. No. represents CA phase connection.

†UL magnetic trip setting tolerances are ±10% from the nominal values shown.

Circuit Breakers - For I-LINE® Panelboards and Switchboards

POWERPACT® Q-frame

Class 650, 651

Square D®



QB/QD/QG/QJ  
Mounting Height:  
2-pole—3 in (76 mm)  
3-pole—4.5 in (114 mm)

POWERPACT® Q-frame\*— 225 A, Thermal-magnetic (240 Vac)

| Ampere Rating           | AC Magnetic Trip Settings |      | "B" Interrupting | "D" Interrupting | "G" Interrupting | "J" Interrupting |
|-------------------------|---------------------------|------|------------------|------------------|------------------|------------------|
|                         | Hold                      | Trip | Catalog Number   | Catalog Number   | Catalog Number   | Catalog Number   |
| <b>2-pole, 240 Vac†</b> |                           |      |                  |                  |                  |                  |
| 70                      | 1000                      | 1800 | QBA22070( )      | QDA22070( )      | QGA22070( )      | QJA22070( )      |
| 80                      | 1000                      | 1800 | QBA22080( )      | QDA22080( )      | QGA22080( )      | QJA22080( )      |
| 90                      | 1000                      | 1800 | QBA22090( )      | QDA22090( )      | QGA22090( )      | QJA22090( )      |
| 100                     | 1200                      | 2400 | QBA22100( )      | QDA22100( )      | QGA22100( )      | QJA22100( )      |
| 110                     | 1200                      | 2400 | QBA22110( )      | QDA22110( )      | QGA22110( )      | QJA22110( )      |
| 125                     | 1200                      | 2400 | QBA22125( )      | QDA22125( )      | QGA22125( )      | QJA22125( )      |
| 150                     | 1200                      | 2400 | QBA22150( )      | QDA22150( )      | QGA22150( )      | QJA22150( )      |
| 175                     | 1200                      | 2400 | QBA22175( )      | QDA22175( )      | QGA22175( )      | QJA22175( )      |
| 200                     | 1200                      | 2400 | QBA22200( )      | QDA22200( )      | QGA22200( )      | QJA22200( )      |
| 225                     | 1200                      | 2400 | QBA22225( )      | QDA22225( )      | QGA22225( )      | QJA22225( )      |
| <b>3-pole, 240 Vac‡</b> |                           |      |                  |                  |                  |                  |
| 70                      | 1000                      | 1800 | QBA32070( )      | QDA32070( )      | QGA32070( )      | QJA32070( )      |
| 80                      | 1000                      | 1800 | QBA32080( )      | QDA32080( )      | QGA32080( )      | QJA32080( )      |
| 90                      | 1000                      | 1800 | QBA32090( )      | QDA32090( )      | QGA32090( )      | QJA32090( )      |
| 100                     | 1200                      | 2400 | QBA32100( )      | QDA32100( )      | QGA32100( )      | QJA32100( )      |
| 110                     | 1200                      | 2400 | QBA32110( )      | QDA32110( )      | QGA32110( )      | QJA32110( )      |
| 125                     | 1200                      | 2400 | QBA32125( )      | QDA32125( )      | QGA32125( )      | QJA32125( )      |
| 150                     | 1200                      | 2400 | QBA32150( )      | QDA32150( )      | QGA32150( )      | QJA32150( )      |
| 175                     | 1200                      | 2400 | QBA32175( )      | QDA32175( )      | QGA32175( )      | QJA32175( )      |
| 200                     | 1200                      | 2400 | QBA32200( )      | QDA32200( )      | QGA32200( )      | QJA32200( )      |
| 225                     | 1200                      | 2400 | QBA32225( )      | QDA32225( )      | QGA32225( )      | QJA32225( )      |

Interrupting Ratings (kA)

|       | FA | FH  | FI  | QB | QD | QG | QJ** |
|-------|----|---|-----|----|----|----|------|
| 240 V | 25 | 25 (1P 35–100 A), 65 (1P 15–30 A, 2P, 3P) | 200 | 10 | 25 | 65 | 100  |
| 480 V | 18 | 25 (2, 3P)                                | 200 | —  | —  | —  | —    |
| 600 V | 14 | 18 (2, 3P)                                | 100 | —  | —  | —  | —    |

\* Replacement lugs are not available on QB, QD, QG, or QJ circuit breakers. Lugs for QB, QD, QG or QJ circuit breakers accept (1) #4 AWG–300 kcmil.

† 2-pole QB, QD, QG and QJ circuit breakers are completed by adding the required phasing numbers as indicated in the parentheses.

‡ 3-pole QB, QD, QG and QJ circuit breakers for ABC phasing are complete without additional phasing number. For CBA phasing, complete the catalog number by inserting the number "6" in the parentheses.

\*\* 3-pole QJ circuit breakers are rated at 208Y/120 Vac only.

Example: FJA, 20 A 1-pole, 277 Vac and 70 A 2- and 3-pole QB 240 Vac.

Use phase option number for HD, HG, HJ, HL, JD, JG, JJ, JL, MG and MJ.

| Phase Option Number | Phase Connection | 1-pole    | 2-pole    | 3-pole    |
|---------------------|------------------|-----------|-----------|-----------|
| 1                   | A                | FJA140201 | —         | —         |
| 3                   | B                | FJA140203 | —         | —         |
| 5                   | C                | FJA140205 | —         | —         |
| 1                   | AB               | —         | QBA220701 | —         |
| 2                   | AC               | —         | QBA220702 | —         |
| 3                   | BA               | —         | QBA220703 | —         |
| 4                   | BC               | —         | QBA220704 | —         |
| 5                   | CA               | —         | QBA220705 | —         |
| 6                   | CB               | —         | QBA220706 | —         |
| Standard ○          | ABC              | —         | —         | QBA32070  |
| 6                   | CBA              | —         | —         | QBA320706 |

○ The absence of a phase option number after a 3-pole catalog number will result in an ABC phase connection.

### Circuit Breaker Enclosures

#### Class 610

Square D®



FA100S



FA100RB



FA100X



FA100Y

#### Features

- Circuit Breaker Enclosures are UL Listed, CSA Certified and are Suitable for Use as Service Equipment Except as Footnoted
- The Short Circuit Rating of an Enclosed Circuit Breaker is Equal to the Rating of the Circuit Breaker Installed, Except as Footnoted
- Circuit Breakers are Ordered and Shipped Separately for Field Installation

| Circuit Breaker Catalog No. Prefix | Amp Rating       | Number of Poles                 | Mfg. No.     | Advanced ID     | Enclosure Type                   |
|------------------------------------|------------------|---------------------------------|--------------|-----------------|----------------------------------|
| FAL, FHL, FCL                      | 15-100           | 1, 2, 3                         | FA100F       | <b>88239628</b> | NEMA 1 Flush                     |
| FAL, FHL, FCL                      | 15-100           | 1, 2, 3                         | FA100S       | <b>88239630</b> | NEMA 1 Surface                   |
| FAL, FHL, FCL                      | 15-100           | 1, 2, 3                         | FA100RB      | <b>88239629</b> | NEMA 3R*                         |
| QBL, QDL, QGL, QJL                 | 100-200          | 2                               | Q22200NS†††  | <b>88242388</b> | NEMA 1 Surface                   |
| QBL, QDL, QGL, QJL                 | 100-200          | 2                               | Q22200NRB††† | <b>88242387</b> | NEMA 3R*                         |
| QBL, QDL, QGL, QJL                 | 100-225          | 2, 3                            | Q23225NF†††  | <b>88242407</b> | NEMA 1 Flush                     |
| QBL, QDL, QGL, QJL                 | 100-225          | 2, 3                            | Q23225NS†††  | <b>88242409</b> | NEMA 1 Surface                   |
| QBL, QDL, QGL, QJL                 | 100-225          | 2, 3                            | Q23225NRB††† | <b>88242408</b> | NEMA 3R*                         |
| LAL, LHL, Q4L, KAL, KHL            | 125-400          | 2, 3                            | LA400F       | <b>88241131</b> | NEMA 1 Flush                     |
| LAL, LHL, Q4L, KAL, KHL            | 125-400          | 2, 3                            | LA400S       | <b>88241133</b> | NEMA 1 Surface                   |
| LAL, LHL, Q4L, KAL, KHL            | 125-400          | 2, 3                            | LA400R       | <b>88241132</b> | NEMA 3R*                         |
| MEL                                | 450-800          | 3                               | ME1000S‡     | <b>98409721</b> | NEMA 1 Surface                   |
| MEL                                | 450-800          | 3                               | ME1000R‡     | <b>22087291</b> | NEMA 3R*                         |
| MAL, MHL**, MXL**, LAL, LHL, Q4L   | 125-1000         | 2, 3                            | MA1000F      | <b>88241502</b> | NEMA 1 Flush                     |
| MAL, MHL**, MXL**, LAL, LHL, Q4L   | 125-1000         | 2, 3                            | MA1000S      | <b>88241504</b> | NEMA 1 Surface                   |
| MAL, MHL**, MXL**, LAL, LHL, Q4L   | 125-1000         | 2, 3                            | MA1000R      | <b>88241503</b> | NEMA 3R*                         |
| FAL, FHL, FCL                      | 15-100           | 1, 2, 3                         | FA100DS      | <b>88239626</b> | NEMA 4, 4X, 5, 3, 3R SS          |
| FAL, FHL, FCL                      | 15-100           | 1, 2, 3                         | FA100A       | <b>88239624</b> | NEMA 12K with Knockouts          |
| FAL, FHL, FCL                      | 15-100           | 1, 2, 3                         | FA100AWK     | <b>88239625</b> | NEMA 12/3R, 5 without Knockouts● |
| KAL, KIL□, KCL, KHL                | 110-250          | 2, 3                            | IK250DS      | <b>92104190</b> | NEMA 4, 4X, 5, 3, 3R SS          |
| KAL, KIL□, KCL, KHL                | 110-250          | 2, 3                            | IK250AWK     | <b>92104185</b> | NEMA 12/3R, 5 without Knockouts● |
| LAL, LHL, Q4L                      | 125-400          | 2, 3                            | LA400DS      | <b>89024124</b> | NEMA 4, 4X, 5, 3, 3R SS          |
| LAL, LHL, Q4L                      | 125-400          | 2, 3                            | LA400AWK     | <b>88241129</b> | NEMA 12/3R, 5 without Knockouts● |
| LEL■, LXL, LXIL, LCL, LIL          | 100-600, 300-600 | 3 (100-600 A), 2, 3 (300-600 A) | LX600AWK     | <b>95041405</b> | NEMA 12/3R, 5 without Knockouts● |
| MAL, MHL**, MXL**                  | 300-1000         | 2, 3                            | MA1000DS     | <b>92104888</b> | NEMA 4, 4X, 5, 3, 3R SS          |
| MAL, MHL**, MXL**                  | 300-1000         | 2, 3                            | MA1000AWK    | <b>91006866</b> | NEMA 12/3R, 5 without Knockouts● |
| NAL, NCL, NXL                      | 600-1200         | 2, 3                            | NA1200AWK▲▼  | <b>92104373</b> | NEMA 12/3R, 5 without Knockouts● |
| FAL★                               | 15-60            | 1, 2, 3                         | FA060X◇      | <b>89002765</b> | NEMA 7◆ Cast Al                  |
| FAL★                               | 15-60            | 1, 2, 3                         | FA060Y††     | <b>89002766</b> | NEMA 9◆Cast Al                   |
| FAL★                               | 15-100           | 1, 2, 3                         | FA100X◇      | <b>88239631</b> | NEMA 7◆ Cast Al                  |
| FAL★                               | 15-100           | 1, 2, 3                         | FA100Y††     | <b>88239632</b> | NEMA 9◆Cast Al                   |
| KAL★                               | 70-225           | 2, 3                            | KA225X☆††◇   | <b>88241027</b> | NEMA 7◆ Cast Al                  |
| KAL★                               | 70-225           | 2, 3                            | KA225Y☆††    | <b>88241028</b> | NEMA 9◆Cast Al                   |

\*Enclosures with NRB or RB suffix have provisions for 3/4 in. through 2 1/2 in. bolt-on hubs in top endwall. Enclosures with R suffix have blank endwalls and require field cut opening.

†Factory-installed groundable neutral assembly includes (2) ground lugs and (2) neutral lugs.

‡MEL 100[PER] rated breaker-short circuit rating is 50,000 AIR at 480V AC maximum

\*\*MHL, MXL short circuit rating is 50,000 AIR at 480V AC maximum.

††Not CSA certified.

●Suitable for rainproof NEMA 3R application by removing drain screw from bottom endwall.

■LEL 100[PER] rated circuit breaker except for 600 A sensor.

□Short circuit rating is 100,000 AIR at 480V AC maximum.

▲ Short circuit ratings: NAL, 240V AC-100,000, 480V AC-50,000, 600V AC-25,000

NCL, 240V AC-125,000, 480V AC-100,000, 600V AC-65,000

NXL 240V AC-65,000, 480V AC-50,000, 600V AC-42,000

▼Does not have outside operator, not CSA Certified

◆NEMA 7-Indoor Hazardous Locations - Division 1 and 2, Class I, Groups C and D; Class II, Groups E, F and G; Class III.

◆NEMA 9-Indoor Hazardous Locations - Division 1 and 2, Class II, Groups E, F, G; Class III

◇Suitable for rainproof applications-includes PKDB1 breather and drain kit.

★Use 75°C copper conductors only.

☆Not UL Listed due to wire bending space requirements.

## Thermal-Magnetic Molded Case Circuit Breakers

### 100 Ampere Frame, 240 Vac

### F-frame, Class 650

Square D®



FAL 1-Pole 15-100A



FAL/FHL 2-Pole 15-100A



FAL/FHL/FCL 3-Pole 15-100A

Thermal-magnetic molded case circuit breakers are permanent trip UL Listed, CSA Certified, IEC rated, and also meet the requirements of Federal Specification W-C-375B/GEN. For I-LINE breakers see I-LINE Panelboards section.

Termination options are noted in the 3rd character of the Mfg. No. as follows: F = No Lugs, L = Lugs both ends, M = Lugs 'ON' end only, P = Lugs "OFF" end only.

| Continuous Current Rating        | Trip Setting Range      | Mfg. No. | Advanced ID              | Interrupt Rating (AIR) | Wire Range                                 |
|----------------------------------|-------------------------|----------|--------------------------|------------------------|--|
| <b>100 Ampere Frame, 240 Vac</b> |                         |          |                          |                        |  |
| <b>Single-Pole, 120V AC</b>      |                         |          |                          |                        |  |
| 15                               | Hold - 275, Trip - 600  | FAL12015 | <a href="#">88239957</a> | 10 kA (240V)           | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 20                               | Hold - 275, Trip - 600  | FAL12020 | <a href="#">88239958</a> | 10 kA (240V)           | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 25                               | Hold - 275, Trip - 600  | FAL12025 | <a href="#">88239959</a> | 10 kA (240V)           | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 30                               | Hold - 275, Trip - 600  | FAL12030 | <a href="#">88239960</a> | 10 kA (240V)           | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 35                               | Hold - 400, Trip - 850  | FAL12035 | <a href="#">88239961</a> | 10 kA (240V)           | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 40                               | Hold - 400, Trip - 850  | FAL12040 | <a href="#">91018129</a> | 10 kA (240V)           | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 45                               | Hold - 400, Trip - 850  | FAL12045 | <a href="#">88239963</a> | 10 kA (240V)           | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 50                               | Hold - 400, Trip - 850  | FAL12050 | <a href="#">88239964</a> | 10 kA (240V)           | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 60                               | Hold - 800, Trip - 1450 | FAL12060 | <a href="#">88239965</a> | 10 kA (240V)           | L100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al  |
| 70                               | Hold - 800, Trip - 1450 | FAL12070 | <a href="#">88239966</a> | 10 kA (240V)           | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 80                               | Hold - 800, Trip - 1450 | FAL12080 | <a href="#">88239967</a> | 10 kA (240V)           | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 90                               | Hold - 900, Trip - 1700 | FAL12090 | <a href="#">88239968</a> | 10 kA (240V)           | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 100                              | Hold - 900, Trip - 1700 | FAL12100 | <a href="#">88239969</a> | 10 kA (240V)           | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| <b>2-Pole, 240V AC</b>           |                         |          |                          |                        |  |
| 15                               | Hold - 275, Trip - 600  | FAL22015 | <a href="#">88239984</a> | 10 kA (240V)           | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 20                               | Hold - 275, Trip - 600  | FAL22020 | <a href="#">88239985</a> | 10 kA (240V)           | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 25                               | Hold - 275, Trip - 600  | FAL22025 | <a href="#">88239986</a> | 10 kA (240V)           | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 30                               | Hold - 275, Trip - 600  | FAL22030 | <a href="#">88239987</a> | 10 kA (240V)           | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 35                               | Hold - 400, Trip - 850  | FAL22035 | <a href="#">91018130</a> | 10 kA (240V)           | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 40                               | Hold - 400, Trip - 850  | FAL22040 | <a href="#">88239989</a> | 10 kA (240V)           | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 45                               | Hold - 400, Trip - 850  | FAL22045 | <a href="#">88239990</a> | 10 kA (240V)           | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 50                               | Hold - 400, Trip - 850  | FAL22050 | <a href="#">88239991</a> | 10 kA (240V)           | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 60                               | Hold - 800, Trip - 1450 | FAL22060 | <a href="#">88239992</a> | 10 kA (240V)           | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 70                               | Hold - 800, Trip - 1450 | FAL22070 | <a href="#">88239993</a> | 10 kA (240V)           | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 80                               | Hold - 800, Trip - 1450 | FAL22080 | <a href="#">88239994</a> | 10 kA (240V)           | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 90                               | Hold - 900, Trip - 1700 | FAL22090 | <a href="#">91018131</a> | 10 kA (240V)           | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 100                              | Hold - 900, Trip - 1700 | FAL22100 | <a href="#">88239996</a> | 10 kA (240V)           | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| <b>3-Pole, 240V AC</b>           |                         |          |                          |                        |  |
| 15                               | Hold - 275, Trip - 600  | FAL32015 | <a href="#">88240034</a> | 10 kA (240V)           | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 20                               | Hold - 275, Trip - 600  | FAL32020 | <a href="#">88240035</a> | 10 kA (240V)           | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 25                               | Hold - 275, Trip - 600  | FAL32025 | <a href="#">88240036</a> | 10 kA (240V)           | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 30                               | Hold - 275, Trip - 600  | FAL32030 | <a href="#">88240037</a> | 10 kA (240V)           | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 35                               | Hold - 400, Trip - 850  | FAL32035 | <a href="#">88240038</a> | 10 kA (240V)           | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 40                               | Hold - 400, Trip - 850  | FAL32040 | <a href="#">88240039</a> | 10 kA (240V)           | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 45                               | Hold - 400, Trip - 850  | FAL32045 | <a href="#">88240040</a> | 10 kA (240V)           | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 50                               | Hold - 400, Trip - 850  | FAL32050 | <a href="#">88240041</a> | 10 kA (240V)           | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 60                               | Hold - 800, Trip - 1450 | FAL32060 | <a href="#">88240042</a> | 10 kA (240V)           | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 70                               | Hold - 800, Trip - 1450 | FAL32070 | <a href="#">88240043</a> | 10 kA (240V)           | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 80                               | Hold - 800, Trip - 1450 | FAL32080 | <a href="#">88240044</a> | 10 kA (240V)           | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 90                               | Hold - 900, Trip - 1700 | FAL32090 | <a href="#">88240045</a> | 10 kA (240V)           | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 100                              | Hold - 900, Trip - 1700 | FAL32100 | <a href="#">88240046</a> | 10 kA (240V)           | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |

### Thermal-Magnetic Molded Case Circuit Breakers

#### 100 Ampere Frame, 480 Vac

#### F-frame, Class 650

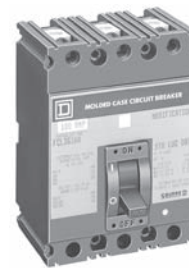
Square D®



FAL, 1-pole, 15-100 Amperes



FAL/FHL, 2-pole, 15-100 Amperes



FAL/FHL/FCL 3-pole, 15-100 Amperes

| Continuous Current Rating            | Trip Setting Range      | Mfg. No. | Advanced ID              | Interrupt Rating (AIR)     | Wire Range                                 |
|--------------------------------------|-------------------------|----------|--------------------------|----------------------------|--|
| <b>100 Ampere Frame, 480 Vac</b>     |                         |          |                          |                            |  |
| <b>Single-Pole, 277V AC, 125V DC</b> |                         |          |                          |                            |  |
| 15                                   | Hold - 275, Trip - 600  | FAL14015 | <a href="#">88239970</a> | 18 kA (240V), 18 kA (480V) | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 20                                   | Hold - 275, Trip - 600  | FAL14020 | <a href="#">88239971</a> | 18 kA (240V), 18 kA (480V) | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 25                                   | Hold - 275, Trip - 600  | FAL14025 | <a href="#">88239972</a> | 18 kA (240V), 18 kA (480V) | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 30                                   | Hold - 275, Trip - 600  | FAL14030 | <a href="#">88239973</a> | 18 kA (240V), 18 kA (480V) | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 35                                   | Hold - 400, Trip - 850  | FAL14035 | <a href="#">88239974</a> | 18 kA (240V), 18 kA (480V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 40                                   | Hold - 400, Trip - 850  | FAL14040 | <a href="#">88239975</a> | 18 kA (240V), 18 kA (480V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 45                                   | Hold - 400, Trip - 850  | FAL14045 | <a href="#">88239976</a> | 18 kA (240V), 18 kA (480V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 50                                   | Hold - 400, Trip - 850  | FAL14050 | <a href="#">88239977</a> | 18 kA (240V), 18 kA (480V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 60                                   | Hold - 800, Trip - 1450 | FAL14060 | <a href="#">88239978</a> | 18 kA (240V), 18 kA (480V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 70                                   | Hold - 800, Trip - 1450 | FAL14070 | <a href="#">88239979</a> | 18 kA (240V), 18 kA (480V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 80                                   | Hold - 800, Trip - 1450 | FAL14080 | <a href="#">88239980</a> | 18 kA (240V), 18 kA (480V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 90                                   | Hold - 900, Trip - 1700 | FAL14090 | <a href="#">88239981</a> | 18 kA (240V), 18 kA (480V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 100                                  | Hold - 900, Trip - 1700 | FAL14100 | <a href="#">88239982</a> | 18 kA (240V), 18 kA (480V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| <b>2-Pole, 480V AC, 250V DC</b>      |                         |          |                          |                            |  |
| 15                                   | Hold - 275, Trip - 600  | FAL24015 | <a href="#">88239998</a> | 25 kA (240V), 18 kA (480V) | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 20                                   | Hold - 275, Trip - 600  | FAL24020 | <a href="#">88239999</a> | 25 kA (240V), 18 kA (480V) | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 25                                   | Hold - 275, Trip - 600  | FAL24025 | <a href="#">88240000</a> | 25 kA (240V), 18 kA (480V) | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 30                                   | Hold - 275, Trip - 600  | FAL24030 | <a href="#">88240001</a> | 25 kA (240V), 18 kA (480V) | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 35                                   | Hold - 400, Trip - 850  | FAL24035 | <a href="#">88240002</a> | 25 kA (240V), 18 kA (480V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 40                                   | Hold - 400, Trip - 850  | FAL24040 | <a href="#">88240003</a> | 25 kA (240V), 18 kA (480V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 45                                   | Hold - 400, Trip - 850  | FAL24045 | <a href="#">88240004</a> | 25 kA (240V), 18 kA (480V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 50                                   | Hold - 400, Trip - 850  | FAL24050 | <a href="#">88240005</a> | 25 kA (240V), 18 kA (480V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 60                                   | Hold - 800, Trip - 1450 | FAL24060 | <a href="#">88240006</a> | 25 kA (240V), 18 kA (480V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 70                                   | Hold - 800, Trip - 1450 | FAL24070 | <a href="#">88240007</a> | 25 kA (240V), 18 kA (480V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 80                                   | Hold - 800, Trip - 1450 | FAL24080 | <a href="#">88240008</a> | 25 kA (240V), 18 kA (480V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 90                                   | Hold - 900, Trip - 1700 | FAL24090 | <a href="#">92104724</a> | 25 kA (240V), 18 kA (480V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 100                                  | Hold - 900, Trip - 1700 | FAL24100 | <a href="#">88240010</a> | 25 kA (240V), 18 kA (480V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| <b>3-Pole, 480V AC, 250V DC</b>      |                         |          |                          |                            |  |
| 15                                   | Hold - 275, Trip - 600  | FAL34015 | <a href="#">88240048</a> | 25 kA (240V), 18 kA (480V) | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 20                                   | Hold - 275, Trip - 600  | FAL34020 | <a href="#">88240050</a> | 25 kA (240V), 18 kA (480V) | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 25                                   | Hold - 275, Trip - 600  | FAL34025 | <a href="#">88240051</a> | 25 kA (240V), 18 kA (480V) | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 30                                   | Hold - 275, Trip - 600  | FAL34030 | <a href="#">88240052</a> | 25 kA (240V), 18 kA (480V) | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 35                                   | Hold - 400, Trip - 850  | FAL34035 | <a href="#">88240053</a> | 25 kA (240V), 18 kA (480V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 40                                   | Hold - 400, Trip - 850  | FAL34040 | <a href="#">88240054</a> | 25 kA (240V), 18 kA (480V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 45                                   | Hold - 400, Trip - 850  | FAL34045 | <a href="#">88240057</a> | 25 kA (240V), 18 kA (480V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 50                                   | Hold - 400, Trip - 850  | FAL34050 | <a href="#">88240058</a> | 25 kA (240V), 18 kA (480V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 60                                   | Hold - 800, Trip - 1450 | FAL34060 | <a href="#">88240059</a> | 25 kA (240V), 18 kA (480V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 70                                   | Hold - 800, Trip - 1450 | FAL34070 | <a href="#">88240060</a> | 25 kA (240V), 18 kA (480V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 80                                   | Hold - 800, Trip - 1450 | FAL34080 | <a href="#">88240061</a> | 25 kA (240V), 18 kA (480V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 90                                   | Hold - 900, Trip - 1700 | FAL34090 | <a href="#">88240063</a> | 25 kA (240V), 18 kA (480V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 100                                  | Hold - 900, Trip - 1700 | FAL34100 | <a href="#">88240064</a> | 25 kA (240V), 18 kA (480V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |



## Thermal-Magnetic Molded Case Circuit Breakers

### 100 Ampere Frame, 600 Vac

### F-frame, Class 650

Square D®



FIL36100

| Continuous Current Rating            | Trip Setting Range      | Mfg. No. | Advanced ID     | Interrupt Rating (AIR)                   | Wire Range                                 |
|--------------------------------------|-------------------------|----------|-----------------|--|--|
| <b>100 Ampere Frame, 600 Vac</b>     |                         |          |                 |  |  |
| <b>Single-Pole, 277V AC, 125V DC</b> |                         |          |                 |  |  |
| 15                                   | Hold - 275, Trip - 600  | FHL16015 | <b>88240132</b> | 65 kA (120V)                             | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 20                                   | Hold - 275, Trip - 600  | FHL16020 | <b>88240133</b> | 65 kA (120V)                             | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 25                                   | Hold - 275, Trip - 600  | FHL16025 | <b>88240134</b> | 65 kA (120V)                             | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 30                                   | Hold - 275, Trip - 600  | FHL16030 | <b>88240135</b> | 65 kA (120V)                             | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 35                                   | Hold - 400, Trip - 850  | FHL16035 | <b>88240136</b> | 25 kA (240V)                             | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 40                                   | Hold - 400, Trip - 850  | FHL16040 | <b>88240137</b> | 25 kA (240V)                             | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 45                                   | Hold - 400, Trip - 850  | FHL16045 | <b>88240138</b> | 25 kA (240V)                             | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 50                                   | Hold - 400, Trip - 850  | FHL16050 | <b>88240139</b> | 25 kA (240V)                             | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 60                                   | Hold - 800, Trip - 1450 | FHL16060 | <b>88240140</b> | 25 kA (240V)                             | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 70                                   | Hold - 800, Trip - 1450 | FHL16070 | <b>88240141</b> | 25 kA (240V)                             | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 80                                   | Hold - 800, Trip - 1450 | FHL16080 | <b>88240142</b> | 25 kA (240V)                             | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 90                                   | Hold - 900, Trip - 1700 | FHL16090 | <b>88240143</b> | 25 kA (240V)                             | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 100                                  | Hold - 900, Trip - 1700 | FHL16100 | <b>88240144</b> | 25 kA (240V)                             | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| <b>2-Pole, 600V AC, 250V DC</b>      |                         |          |                 |  |  |
| 15                                   | Hold - 275, Trip - 600  | FAL26015 | <b>88240014</b> | 25 kA (240V), 18 kA (480V), 14 kA (600V) | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 15                                   | Hold - 275, Trip - 600  | FHL26015 | <b>88240145</b> | 65 kA (240V), 25 kA (480V), 18 kA (600V) | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 20                                   | Hold - 275, Trip - 600  | FAL26020 | <b>88240016</b> | 25 kA (240V), 18 kA (480V), 14 kA (600V) | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 20                                   | Hold - 275, Trip - 600  | FHL26020 | <b>88240146</b> | 65 kA (240V), 25 kA (480V), 18 kA (600V) | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 20                                   | Hold - 275, Trip - 600  | FIL26020 | <b>22089674</b> | 200 kA (240V and 480V), 100 kA (600V)    | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 25                                   | Hold - 275, Trip - 600  | FAL26025 | <b>88240017</b> | 25 kA (240V), 18 kA (480V), 14 kA (600V) | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 25                                   | Hold - 275, Trip - 600  | FHL26025 | <b>88240147</b> | 65 kA (240V), 25 kA (480V), 18 kA (600V) | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 30                                   | Hold - 275, Trip - 600  | FAL26030 | <b>88240018</b> | 25 kA (240V), 18 kA (480V), 14 kA (600V) | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 30                                   | Hold - 275, Trip - 600  | FHL26030 | <b>88240148</b> | 65 kA (240V), 25 kA (480V), 18 kA (600V) | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 30                                   | Hold - 275, Trip - 600  | FIL26030 | <b>22089675</b> | 200 kA (240V and 480V), 100 kA (600V)    | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 35                                   | Hold - 400, Trip - 850  | FAL26035 | <b>88240021</b> | 25 kA (240V), 18 kA (480V), 14 kA (600V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 35                                   | Hold - 400, Trip - 850  | FHL26035 | <b>88240149</b> | 65 kA (240V), 25 kA (480V), 18 kA (600V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 40                                   | Hold - 400, Trip - 850  | FAL26040 | <b>88240022</b> | 25 kA (240V), 18 kA (480V), 14 kA (600V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 40                                   | Hold - 400, Trip - 850  | FHL26040 | <b>88240150</b> | 65 kA (240V), 25 kA (480V), 18 kA (600V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 40                                   | Hold - 400, Trip - 850  | FIL26040 | <b>22089676</b> | 200 kA (240V and 480V), 100 kA (600V)    | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 45                                   | Hold - 400, Trip - 850  | FAL26045 | <b>88240023</b> | 25 kA (240V), 18 kA (480V), 14 kA (600V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 50                                   | Hold - 400, Trip - 850  | FAL26050 | <b>88240024</b> | 25 kA (240V), 18 kA (480V), 14 kA (600V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 50                                   | Hold - 400, Trip - 850  | FHL26050 | <b>88240151</b> | 65 kA (240V), 25 kA (480V), 18 kA (600V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 50                                   | Hold - 400, Trip - 850  | FIL26050 | <b>22089677</b> | 200 kA (240V and 480V), 100 kA (600V)    | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 60                                   | Hold - 800, Trip - 1450 | FAL26060 | <b>88240027</b> | 25 kA (240V), 18 kA (480V), 14 kA (600V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 60                                   | Hold - 800, Trip - 1450 | FHL26060 | <b>88240152</b> | 65 kA (240V), 25 kA (480V), 18 kA (600V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 60                                   | Hold - 800, Trip - 1450 | FIL26060 | <b>22089678</b> | 200 kA (240V and 480V), 100 kA (600V)    | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 70                                   | Hold - 800, Trip - 1450 | FAL26070 | <b>88240028</b> | 25 kA (240V), 18 kA (480V), 14 kA (600V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 70                                   | Hold - 800, Trip - 1450 | FHL26070 | <b>88240153</b> | 65 kA (240V), 25 kA (480V), 18 kA (600V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 70                                   | Hold - 800, Trip - 1450 | FIL26070 | <b>22089679</b> | 200 kA (240V and 480V), 100 kA (600V)    | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 80                                   | Hold - 800, Trip - 1450 | FAL26080 | <b>88240029</b> | 25 kA (240V), 18 kA (480V), 14 kA (600V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 80                                   | Hold - 800, Trip - 1450 | FHL26080 | <b>88240154</b> | 65 kA (240V), 25 kA (480V), 18 kA (600V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 90                                   | Hold - 900, Trip - 1700 | FAL26090 | <b>92104723</b> | 25 kA (240V), 18 kA (480V), 14 kA (600V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG    |
| 90                                   | Hold - 900, Trip - 1700 | FHL26090 | <b>88240155</b> | 65 kA (240V), 25 kA (480V), 18 kA (600V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG    |
| 90                                   | Hold - 900, Trip - 1700 | FIL26090 | <b>22089680</b> | 200 kA (240V and 480V), 100 kA (600V)    | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG    |
| 100                                  | Hold - 900, Trip - 1700 | FAL26100 | <b>88240031</b> | 25 kA (240V), 18 kA (480V), 14 kA (600V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG    |
| 100                                  | Hold - 900, Trip - 1700 | FHL26100 | <b>88240156</b> | 65 kA (240V), 25 kA (480V), 18 kA (600V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG    |
| 100                                  | Hold - 900, Trip - 1700 | FIL26100 | <b>22089681</b> | 200 kA (240V and 480V), 100 kA (600V)    | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG    |

Continued ➤



### Thermal-Magnetic Molded Case Circuit Breakers

#### 100 Ampere Frame, 600 Vac

#### F-frame, Class 650

Square D®

| Continuous Current Rating        | Trip Setting Range      | Mfg. No. | Advanced ID     | Interrupt Rating (AIR)                   | Wire Range                                 |
|----------------------------------|-------------------------|----------|-----------------|--|--|
| <b>100 Ampere Frame, 600 Vac</b> |                         |          |                 |  |  |
| <b>3-Pole, 600V AC, 250V DC</b>  |                         |          |                 |  |  |
| 15                               | Hold - 275, Trip - 600  | FAL36015 | <b>88240071</b> | 25 kA (240V), 18 kA (480V), 14 kA (600V) | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 15                               | Hold - 275, Trip - 600  | FHL36015 | <b>88240157</b> | 65 kA (240V), 25 kA (480V), 18 kA (600V) | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 20                               | Hold - 275, Trip - 600  | FAL36020 | <b>88240073</b> | 25 kA (240V), 18 kA (480V), 14 kA (600V) | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 20                               | Hold - 275, Trip - 600  | FHL36020 | <b>88240158</b> | 65 kA (240V), 25 kA (480V), 18 kA (600V) | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 20                               | Hold - 275, Trip - 600  | FIL36020 | <b>95023955</b> | 200 kA (240V and 480V), 100 kA (600V)    | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 25                               | Hold - 275, Trip - 600  | FAL36025 | <b>88240075</b> | 25 kA (240V), 18 kA (480V), 14 kA (600V) | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 25                               | Hold - 275, Trip - 600  | FHL36025 | <b>88240159</b> | 65 kA (240V), 25 kA (480V), 18 kA (600V) | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 30                               | Hold - 275, Trip - 600  | FAL36030 | <b>88240076</b> | 25 kA (240V), 18 kA (480V), 14 kA (600V) | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 30                               | Hold - 275, Trip - 600  | FHL36030 | <b>88240160</b> | 65 kA (240V), 25 kA (480V), 18 kA (600V) | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 30                               | Hold - 275, Trip - 600  | FIL36030 | <b>22089682</b> | 200 kA (240V and 480V), 100 kA (600V)    | AL50FA #14-#4 AWG Cu or #12-#4 AWG Al      |
| 35                               | Hold - 400, Trip - 850  | FAL36035 | <b>88240079</b> | 25 kA (240V), 18 kA (480V), 14 kA (600V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 35                               | Hold - 400, Trip - 850  | FHL36035 | <b>88240161</b> | 65 kA (240V), 25 kA (480V), 18 kA (600V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 40                               | Hold - 400, Trip - 850  | FAL36040 | <b>88240080</b> | 25 kA (240V), 18 kA (480V), 14 kA (600V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 40                               | Hold - 400, Trip - 850  | FHL36040 | <b>88240162</b> | 65 kA (240V), 25 kA (480V), 18 kA (600V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 40                               | Hold - 400, Trip - 850  | FIL36040 | <b>22089683</b> | 200 kA (240V and 480V), 100 kA (600V)    | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 45                               | Hold - 400, Trip - 850  | FAL36045 | <b>88240081</b> | 25 kA (240V), 18 kA (480V), 14 kA (600V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 45                               | Hold - 400, Trip - 850  | FHL36045 | <b>88240163</b> | 65 kA (240V), 25 kA (480V), 18 kA (600V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 50                               | Hold - 400, Trip - 850  | FAL36050 | <b>88240082</b> | 25 kA (240V), 18 kA (480V), 14 kA (600V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 50                               | Hold - 400, Trip - 850  | FHL36050 | <b>88240164</b> | 65 kA (240V), 25 kA (480V), 18 kA (600V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 50                               | Hold - 400, Trip - 850  | FIL36050 | <b>95042155</b> | 200 kA (240V and 480V), 100 kA (600V)    | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 60                               | Hold - 800, Trip - 1450 | FAL36060 | <b>88240085</b> | 25 kA (240V), 18 kA (480V), 14 kA (600V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 60                               | Hold - 800, Trip - 1450 | FHL36060 | <b>88240165</b> | 65 kA (240V), 25 kA (480V), 18 kA (600V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 60                               | Hold - 800, Trip - 1450 | FIL36060 | <b>95042156</b> | 200 kA (240V and 480V), 100 kA (600V)    | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 70                               | Hold - 800, Trip - 1450 | FAL36070 | <b>88240086</b> | 25 kA (240V), 18 kA (480V), 14 kA (600V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 70                               | Hold - 800, Trip - 1450 | FHL36070 | <b>88240166</b> | 65 kA (240V), 25 kA (480V), 18 kA (600V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 70                               | Hold - 800, Trip - 1450 | FIL36070 | <b>22089684</b> | 200 kA (240V and 480V), 100 kA (600V)    | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 80                               | Hold - 800, Trip - 1450 | FAL36080 | <b>88240088</b> | 25 kA (240V), 18 kA (480V), 14 kA (600V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 80                               | Hold - 800, Trip - 1450 | FHL36080 | <b>88240167</b> | 65 kA (240V), 25 kA (480V), 18 kA (600V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 90                               | Hold - 900, Trip - 1700 | FAL36090 | <b>88240089</b> | 25 kA (240V), 18 kA (480V), 14 kA (600V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 90                               | Hold - 900, Trip - 1700 | FHL36090 | <b>88240168</b> | 65 kA (240V), 25 kA (480V), 18 kA (600V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 90                               | Hold - 900, Trip - 1700 | FIL36090 | <b>93159784</b> | 200 kA (240V and 480V), 100 kA (600V)    | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 100                              | Hold - 900, Trip - 1700 | FAL36100 | <b>88240090</b> | 25 kA (240V), 18 kA (480V), 14 kA (600V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 100                              | Hold - 900, Trip - 1700 | FHL36100 | <b>88240169</b> | 65 kA (240V), 25 kA (480V), 18 kA (600V) | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |
| 100                              | Hold - 900, Trip - 1700 | FIL36100 | <b>95042157</b> | 200 kA (240V and 480V), 100 kA (600V)    | AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al |

## Thermal-Magnetic Molded Case Circuit Breakers

### 100 Ampere Frame

### Powerpact® G-frame

Square D®

Powerpact® G-frame - 100 A, Thermal Magnetic (600Y/347V AC).



| Continuous Current Rating | Trip Setting Range      | Mfg. No. | Advanced ID              | Interrupt Rating (AIR) | Wire Range                      |
|---------------------------|-------------------------|----------|--------------------------|------------------------|---------------------------------|
| <b>3-Pole</b>             |                         |          |                          |                        |                                 |
| 15                        | Hold - 600, Trip - 1200 | GJL36015 | <a href="#">95041498</a> | 18 kA                  | #14-#1/0 AWG Cu, #8-#1/0 AWG Al |
| 20                        | Hold - 600, Trip - 1200 | GJL36020 | <a href="#">95041499</a> | 18 kA                  | #14-#1/0 AWG Cu, #8-#1/0 AWG Al |
| 30                        | Hold - 600, Trip - 1200 | GJL36030 | <a href="#">95041491</a> | 18 kA                  | #14-#1/0 AWG Cu, #8-#1/0 AWG Al |
| 40                        | Hold - 600, Trip - 1200 | GJL36040 | <a href="#">95041492</a> | 18 kA                  | #14-#1/0 AWG Cu, #8-#1/0 AWG Al |
| 50                        | Hold - 800, Trip - 1400 | GJL36050 | <a href="#">95041493</a> | 18 kA                  | #14-#1/0 AWG Cu, #8-#1/0 AWG Al |
| 60                        | Hold - 800, Trip - 1400 | GJL36060 | <a href="#">95041494</a> | 18 kA                  | #14-#1/0 AWG Cu, #8-#1/0 AWG Al |
| 70                        | Hold - 800, Trip - 1400 | GJL36070 | <a href="#">95041495</a> | 18 kA                  | #14-#1/0 AWG Cu, #8-#1/0 AWG Al |
| 80                        | Hold - 800, Trip - 1400 | GJL36080 | <a href="#">95041496</a> | 18 kA                  | #14-#1/0 AWG Cu, #8-#1/0 AWG Al |
| 100                       | Hold - 800, Trip - 1400 | GJL36100 | <a href="#">95041497</a> | 18 kA                  | #14-#1/0 AWG Cu, #8-#1/0 AWG Al |

## Thermal-Magnetic Molded Case Circuit Breakers

### 250 Ampere Frame

### K-frame

Square D®



| Continuous Current Rating       | Trip Setting Range *     | Mfg. No. | Advanced ID              | Interrupt Rating (AIR) | Wire Range                     |
|---------------------------------|--------------------------|----------|--------------------------|------------------------|--------------------------------|
| <b>2-Pole, 600V AC, 250V DC</b> |                          |          |                          |                        |                                |
| <b>Current Limiting</b>         |                          |          |                          |                        |                                |
| 110                             | Hold - 550, Trip - 1100  | KIL26110 | <a href="#">22089907</a> | 100 kA                 | AL250KA (1) #4 AWG-350 kcmil   |
| 125                             | Hold - 625, Trip - 1250  | KIL26125 | <a href="#">22089908</a> | 100 kA                 | AL250KA (1) #4 AWG-350 kcmil   |
| 150                             | Hold - 750, Trip - 1500  | KIL26150 | <a href="#">22089909</a> | 100 kA                 | AL250KA (1) #4 AWG-350 kcmil   |
| 175                             | Hold - 875, Trip - 1750  | KIL26175 | <a href="#">22089910</a> | 100 kA                 | AL250KA (1) #4 AWG-350 kcmil   |
| 200                             | Hold - 1000, Trip - 2000 | KIL26200 | <a href="#">22089911</a> | 100 kA                 | AL250KI (1) #1/0 AWG-350 kcmil |
| 225                             | Hold - 1125, Trip - 2250 | KIL26225 | <a href="#">99939431</a> | 100 kA                 | AL250KI (1) #1/0 AWG-350 kcmil |
| 250                             | Hold - 1250, Trip - 2500 | KIL26250 | <a href="#">22089912</a> | 100 kA                 | AL250KI (1) #1/0 AWG-350 kcmil |
| <b>3-Pole, 600V AC, 250V DC</b> |                          |          |                          |                        |                                |
| <b>Current Limiting</b>         |                          |          |                          |                        |                                |
| 110                             | Hold - 550, Trip - 1100  | KIL36110 | <a href="#">22089913</a> | 100 kA                 | AL250KA (1) #4 AWG-350 kcmil   |
| 125                             | Hold - 625, Trip - 1250  | KIL36125 | <a href="#">94013217</a> | 100 kA                 | AL250KA (1) #4 AWG-350 kcmil   |
| 150                             | Hold - 750, Trip - 1500  | KIL36150 | <a href="#">95042163</a> | 100 kA                 | AL250KA (1) #4 AWG-350 kcmil   |
| 175                             | Hold - 875, Trip - 1750  | KIL36175 | <a href="#">22089914</a> | 100 kA                 | AL250KA (1) #4 AWG-350 kcmil   |
| 200                             | Hold - 1000, Trip - 2000 | KIL36200 | <a href="#">95042164</a> | 100 kA                 | AL250KI (1) #1/0 AWG-350 kcmil |
| 225                             | Hold - 1125, Trip - 2250 | KIL36225 | <a href="#">95042165</a> | 100 kA                 | AL250KI (1) #1/0 AWG-350 kcmil |
| 250                             | Hold - 1250, Trip - 2500 | KIL36250 | <a href="#">22089915</a> | 100 kA                 | AL250KI (1) #1/0 AWG-350 kcmil |

\*UL magnetic trip setting tolerances are ±25% (low) and ±20% (high) from nominal values shown.

### Thermal-Magnetic Molded Case Circuit Breakers

#### 250 Ampere Frame Powerpact® Q-frame

Square D®



QBL 2-Pole 70-250A



QBL 3-Pole 70-250A

| Continuous Current Rating                                     | Trip Setting Range       | Mfg. No.  | Advanced ID              | Interrupt Rating (AIR) | Wire Range |
|---|--------------------------|-----------|--------------------------|------------------------|------------|
| <b>Powerpact® Q-frame* - 250A, Thermal-magnetic (240V AC)</b> |                          |           |                          |                        |            |
| <b>2-Pole, 240V AC</b>  |                          |           |                          |                        |            |
| <b>B Interrupting</b>   |                          |           |                          |                        |            |
| 70  | Hold - 1000, Trip - 1800 | QBL22070  | <a href="#">22067422</a> | 10 kA                  | -          |
| 80  | Hold - 1000, Trip - 1800 | QBL22080  | <a href="#">22067423</a> | 10 kA                  | -          |
| 90  | Hold - 1000, Trip - 1800 | QBL22090  | <a href="#">22067424</a> | 10 kA                  | -          |
| 100   | Hold - 1000, Trip - 1800 | QBL22100  | <a href="#">22067425</a> | 10 kA                  | -          |
| 110   | Hold - 1200, Trip - 2400 | QBL22110  | <a href="#">22067426</a> | 10 kA                  | -          |
| 125   | Hold - 1200, Trip - 2400 | QBL22125  | <a href="#">22067427</a> | 10 kA                  | -          |
| 150   | Hold - 1200, Trip - 2400 | QBL22150  | <a href="#">22067428</a> | 10 kA                  | -          |
| 175   | Hold - 1200, Trip - 2400 | QBL22175  | <a href="#">22067429</a> | 10 kA                  | -          |
| 200   | Hold - 1200, Trip - 2400 | QBL22200  | <a href="#">22067430</a> | 10 kA                  | -          |
| 225   | Hold - 1200, Trip - 2400 | QBL22225  | <a href="#">22067431</a> | 10 kA                  | -          |
| 250   | Hold - 1200, Trip - 2400 | QBL22250† | <a href="#">22067432</a> | 10 kA                  | -          |
| <b>D Interrupting</b>   |                          |           |                          |                        |            |
| 70  | Hold - 1000, Trip - 1800 | QDL22070  | <a href="#">22065986</a> | 25 kA                  | -          |
| 80  | Hold - 1000, Trip - 1800 | QDL22080  | <a href="#">22065987</a> | 25 kA                  | -          |
| 90  | Hold - 1000, Trip - 1800 | QDL22090  | <a href="#">22065988</a> | 25 kA                  | -          |
| 100   | Hold - 1000, Trip - 1800 | QDL22100  | <a href="#">22065989</a> | 25 kA                  | -          |
| 110   | Hold - 1200, Trip - 2400 | QDL22110  | <a href="#">22065990</a> | 25 kA                  | -          |
| 125   | Hold - 1200, Trip - 2400 | QDL22125  | <a href="#">22065991</a> | 25 kA                  | -          |
| 150   | Hold - 1200, Trip - 2400 | QDL22150  | <a href="#">22065992</a> | 25 kA                  | -          |
| 175   | Hold - 1200, Trip - 2400 | QDL22175  | <a href="#">22065993</a> | 25 kA                  | -          |
| 200   | Hold - 1200, Trip - 2400 | QDL22200  | <a href="#">22065994</a> | 25 kA                  | -          |
| 225   | Hold - 1200, Trip - 2400 | QDL22225  | <a href="#">22065995</a> | 25 kA                  | -          |
| 250   | Hold - 1200, Trip - 2400 | QDL22250† | <a href="#">22065996</a> | 25 kA                  | -          |
| <b>G Interrupting</b>   |                          |           |                          |                        |            |
| 70  | Hold - 1000, Trip - 1800 | QGL22070  | <a href="#">22066008</a> | 65 kA                  | -          |
| 80  | Hold - 1000, Trip - 1800 | QGL22080  | <a href="#">22066009</a> | 65 kA                  | -          |
| 90  | Hold - 1000, Trip - 1800 | QGL22090  | <a href="#">22066010</a> | 65 kA                  | -          |
| 100   | Hold - 1000, Trip - 1800 | QGL22100  | <a href="#">22066011</a> | 65 kA                  | -          |
| 110   | Hold - 1200, Trip - 2400 | QGL22110  | <a href="#">22066012</a> | 65 kA                  | -          |
| 125   | Hold - 1200, Trip - 2400 | QGL22125  | <a href="#">22066013</a> | 65 kA                  | -          |
| 150   | Hold - 1200, Trip - 2400 | QGL22150  | <a href="#">22066014</a> | 65 kA                  | -          |
| 175   | Hold - 1200, Trip - 2400 | QGL22175  | <a href="#">22066015</a> | 65 kA                  | -          |
| 200   | Hold - 1200, Trip - 2400 | QGL22200  | <a href="#">22066016</a> | 65 kA                  | -          |
| 225   | Hold - 1200, Trip - 2400 | QGL22225  | <a href="#">22066017</a> | 65 kA                  | -          |
| 250   | Hold - 1200, Trip - 2400 | QGL22250† | <a href="#">22066018</a> | 65 kA                  | -          |
| <b>3-Pole, 240V AC</b>  |                          |           |                          |                        |            |
| <b>B Interrupting</b>   |                          |           |                          |                        |            |
| 70  | Hold - 1000, Trip - 1800 | QBL32070  | <a href="#">22120580</a> | 10 kA                  | -          |
| 90  | Hold - 1000, Trip - 1800 | QBL32090  | <a href="#">25034406</a> | 10 kA                  | -          |
| 100   | Hold - 1000, Trip - 1800 | QBL32100  | <a href="#">22052521</a> | 10 kA                  | -          |
| 110   | Hold - 1200, Trip - 2400 | QBL32110  | <a href="#">22052522</a> | 10 kA                  | -          |

Continued ➤

## Thermal-Magnetic Molded Case Circuit Breakers

### 250 Ampere Frame

### Powerpact® Q-frame

Square D®

| Continuous Current Rating                                     | Trip Setting Range       | Mfg. No.  | Advanced ID              | Interrupt Rating (AIR) | Wire Range |
|---|--------------------------|-----------|--------------------------|------------------------|------------|
| <b>Powerpact® Q-frame* - 250A, Thermal-magnetic (240V AC)</b> |                          |           |                          |                        |            |
| <b>3-Pole, 240V AC</b>  |                          |           |                          |                        |            |
| <b>B Interrupting</b>   |                          |           |                          |                        |            |
| 125   | Hold - 1200, Trip - 2400 | QBL32125  | <a href="#">22052523</a> | 10 kA                  | -          |
| 150   | Hold - 1200, Trip - 2400 | QBL32150  | <a href="#">22052524</a> | 10 kA                  | -          |
| 175   | Hold - 1200, Trip - 2400 | QBL32175  | <a href="#">22052525</a> | 10 kA                  | -          |
| 200   | Hold - 1200, Trip - 2400 | QBL32200  | <a href="#">22052526</a> | 10 kA                  | -          |
| 225   | Hold - 1200, Trip - 2400 | QBL32225  | <a href="#">22052527</a> | 10 kA                  | -          |
| 250   | Hold - 1200, Trip - 2400 | QBL32250† | <a href="#">22114276</a> | 10 kA                  | -          |
| <b>D Interrupting</b>   |                          |           |                          |                        |            |
| 70  | Hold - 1000, Trip - 1800 | QDL32070  | <a href="#">22065997</a> | 25 kA                  | -          |
| 80  | Hold - 1000, Trip - 1800 | QDL32080  | <a href="#">22065998</a> | 25 kA                  | -          |
| 90  | Hold - 1000, Trip - 1800 | QDL32090  | <a href="#">22065999</a> | 25 kA                  | -          |
| 100   | Hold - 1000, Trip - 1800 | QDL32100  | <a href="#">22066000</a> | 25 kA                  | -          |
| 110   | Hold - 1200, Trip - 2400 | QDL32110  | <a href="#">22066001</a> | 25 kA                  | -          |
| 125   | Hold - 1200, Trip - 2400 | QDL32125  | <a href="#">22066002</a> | 25 kA                  | -          |
| 150   | Hold - 1200, Trip - 2400 | QDL32150  | <a href="#">22066003</a> | 25 kA                  | -          |
| 175   | Hold - 1200, Trip - 2400 | QDL32175  | <a href="#">22066004</a> | 25 kA                  | -          |
| 200   | Hold - 1200, Trip - 2400 | QDL32200  | <a href="#">22066005</a> | 25 kA                  | -          |
| 225   | Hold - 1200, Trip - 2400 | QDL32225  | <a href="#">22066006</a> | 25 kA                  | -          |
| 250   | Hold - 1200, Trip - 2400 | QDL32250† | <a href="#">22066007</a> | 25 kA                  | -          |
| <b>G Interrupting</b>   |                          |           |                          |                        |            |
| 70  | Hold - 1000, Trip - 1800 | QGL32070  | <a href="#">22066019</a> | 65 kA                  | -          |
| 80  | Hold - 1000, Trip - 1800 | QGL32080  | <a href="#">22066020</a> | 65 kA                  | -          |
| 90  | Hold - 1000, Trip - 1800 | QGL32090  | <a href="#">22066021</a> | 65 kA                  | -          |
| 100   | Hold - 1000, Trip - 1800 | QGL32100  | <a href="#">22066022</a> | 65 kA                  | -          |
| 110   | Hold - 1200, Trip - 2400 | QGL32110  | <a href="#">22066023</a> | 65 kA                  | -          |
| 125   | Hold - 1200, Trip - 2400 | QGL32125  | <a href="#">22066024</a> | 65 kA                  | -          |
| 150   | Hold - 1200, Trip - 2400 | QGL32150  | <a href="#">22066025</a> | 65 kA                  | -          |
| 175   | Hold - 1200, Trip - 2400 | QGL32175  | <a href="#">22066026</a> | 65 kA                  | -          |
| 200   | Hold - 1200, Trip - 2400 | QGL32200  | <a href="#">22066027</a> | 65 kA                  | -          |
| 225   | Hold - 1200, Trip - 2400 | QGL32225  | <a href="#">22066028</a> | 65 kA                  | -          |
| 250   | Hold - 1200, Trip - 2400 | QGL32250† | <a href="#">22066029</a> | 65 kA                  | -          |

\*Replacement lugs are not available for Powerpact Q-frame circuit breakers. Lugs for the Powerpact Q-frame circuit breakers accept (1) #4 AWG-300 kcmil.

†250A lugs are suitable for copper conductors only.

### Thermal-Magnetic Molded Case Circuit Breakers

#### 400 Ampere Frame

#### Q4-frame

Square D®



| Continuous Current Rating                          | Trip Setting Range *     | Mfg. No. | Advanced ID     | Interrupt Rating (AIR) | Wire Range   |
|--|--------------------------|----------|-----------------|------------------------|--|
| <b>Q4-frame - 400A, Thermal-magnetic (240V AC)</b> |                          |          |                 |                        |  |
| <b>2-Pole, 240V AC</b>                             |                          |          |                 |                        |  |
| <b>Standard Interrupting</b>                       |                          |          |                 |                        |  |
| 250  | Hold - 1250, Trip - 2500 | Q4L2250  | <b>88242464</b> | 25 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 300  | Hold - 1500, Trip - 3000 | Q4L2300  | <b>88242465</b> | 25 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 350  | Hold - 1750, Trip - 3500 | Q4L2350  | <b>88242466</b> | 25 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 400  | Hold - 2000, Trip - 4000 | Q4L2400  | <b>88242467</b> | 25 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| <b>3-Pole, 240V AC</b>                             |                          |          |                 |                        |  |
| <b>Standard Interrupting</b>                       |                          |          |                 |                        |  |
| 250  | Hold - 1250, Trip - 2500 | Q4L3250  | <b>88242468</b> | 25 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 300  | Hold - 1500, Trip - 3000 | Q4L3300  | <b>88242469</b> | 25 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 350  | Hold - 1750, Trip - 3500 | Q4L3350  | <b>88242470</b> | 25 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 400  | Hold - 2000, Trip - 4000 | Q4L3400  | <b>88242471</b> | 25 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |

\*UL magnetic trip setting tolerances are ±25% (low) and ±20% (high) from nominal values shown.

## Thermal-Magnetic Molded Case Circuit Breakers

### 400, 600 Ampere Frame

#### L-frame

Square D®



LAL/LHL 2 and 3-Pole 125-400A

| Continuous Current Rating                        | Trip Setting Range       | Mfg. No. | Advanced ID              | Interrupt Rating (AIR) | Wire Range   |
|--|--------------------------|----------|--------------------------|------------------------|--|
| <b>L-frame - 400A Thermal-magnetic (600V AC)</b> |                          |          |                          |                        |  |
| <b>2-Pole, 600V AC, 250V DC</b>                  |                          |          |                          |                        |  |
| <b>Standard Interrupting</b>                     |                          |          |                          |                        |  |
| 125  | Low - 625, High - 1250*  | LAL26125 | <a href="#">88241147</a> | 22 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 150  | Low - 750, High - 1500*  | LAL26150 | <a href="#">88241148</a> | 22 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 175  | Low - 875, High - 1750*  | LAL26175 | <a href="#">88241149</a> | 22 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 200  | Low - 1000, High - 2000* | LAL26200 | <a href="#">88241150</a> | 22 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 225  | Low - 1125, High - 2250* | LAL26225 | <a href="#">88241151</a> | 22 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 250  | Low - 1250, High - 2500* | LAL26250 | <a href="#">88241152</a> | 22 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 300  | Low - 1500, High - 3000* | LAL26300 | <a href="#">88241153</a> | 22 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 350  | Low - 1750, High - 3500* | LAL26350 | <a href="#">88241154</a> | 22 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 400  | Low - 2000, High - 4000* | LAL26400 | <a href="#">88241155</a> | 22 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| <b>High Interrupting</b>                         |                          |          |                          |                        |  |
| 250  | Low - 1250, High - 2500* | LHL26250 | <a href="#">88241455</a> | 25 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 300  | Low - 1500, High - 3000* | LHL26300 | <a href="#">88241456</a> | 25 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 350  | Low - 1750, High - 3500* | LHL26350 | <a href="#">88241457</a> | 25 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 400  | Low - 2000, High - 4000* | LHL26400 | <a href="#">88241458</a> | 25 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| <b>3-Pole, 600V AC, 250V DC</b>                  |                          |          |                          |                        |  |
| <b>Standard Interrupting</b>                     |                          |          |                          |                        |  |
| 125  | Low - 625, High - 1250*  | LAL36125 | <a href="#">88241158</a> | 22 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 150  | Low - 750, High - 1500*  | LAL36150 | <a href="#">88241159</a> | 22 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 175  | Low - 875, High - 1750*  | LAL36175 | <a href="#">88241160</a> | 22 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 200  | Low - 1000, High - 2000* | LAL36200 | <a href="#">88241161</a> | 22 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 225  | Low - 1125, High - 2250* | LAL36225 | <a href="#">88241162</a> | 22 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 250  | Low - 1250, High - 2500* | LAL36250 | <a href="#">88241163</a> | 22 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 300  | Low - 1500, High - 3000* | LAL36300 | <a href="#">88241164</a> | 22 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 350  | Low - 1750, High - 3500* | LAL36350 | <a href="#">88241165</a> | 22 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 400  | Low - 2000, High - 4000* | LAL36400 | <a href="#">88241166</a> | 22 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| <b>High Interrupting</b>                         |                          |          |                          |                        |  |
| 150  | Low - 750, High - 1500*  | LHL36150 | <a href="#">97259700</a> | 25 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 175  | Low - 875, High - 1750*  | LHL36175 | <a href="#">99686846</a> | 25 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 200  | Low - 1000, High - 2000* | LHL36200 | <a href="#">22090001</a> | 25 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 225  | Low - 1125, High - 2250* | LHL36225 | <a href="#">92143106</a> | 25 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 250  | Low - 1250, High - 2500* | LHL36250 | <a href="#">88241460</a> | 25 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 300  | Low - 1500, High - 3000* | LHL36300 | <a href="#">88241461</a> | 25 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 350  | Low - 1750, High - 3500* | LHL36350 | <a href="#">88241462</a> | 25 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |
| 400  | Low - 2000, High - 4000* | LHL36400 | <a href="#">88241463</a> | 25 kA                  | AL400LA (1) #1 AWG-600 kcmil or (2) #1 AWG-250 kcmil |

\*UL magnetic trip setting tolerances are ±25% (low) and ±20% (high) from nominal values shown.



### General Duty Safety Switches

#### Fusible and Non-Fusible

#### Class 3130

Square D®

#### General Duty—

#### Up To 100,000 A Short Circuit Current Rating With Proper Current Limiting Fusing

General duty safety switches are designed for residential and commercial applications where economy is a prime consideration. Typical loads are lighting, air conditioning and appliances. They are suitable for use as service equipment when equipped with a factory-installed neutral assembly or a field-installed service grounding kit.

General duty safety switches are UL Listed, File E2875, and meet or exceed the NEMA Standard KS1.

400 and 600 A general duty switches (NEMA 1 only) will accept Class J fuses and are UL Listed for use on systems with up to 100,000 RMS symmetrical amperes available fault current. 600 A requires Class J fuse kit—GDJK600. 400 A requires moving load base.

Class T 400–800 A general duty safety switches, use 300 Vac Class T fuses and are UL Listed for use on systems with up to 100,000 RMS symmetrical amperes available fault current.

#### Fusible

| System  | Amps  | Fuse    | NEMA 1 Indoor  |             | NEMA 3R * Rainproof |             | Class R Fuse Kits Field Installable † | Horsepower Ratings                 |                                       |                                    |                                       |
|---|-------|---------|--|-------------|---------------------|-------------|---------------------------------------|------------------------------------|---------------------------------------|------------------------------------|---------------------------------------|
|   |       |         | Catalog Number   | Advanced ID | Catalog Number      | Advanced ID |                                       | Std.                               |                                       | Max.                               |                                       |
|   |       |         |  |             |                     |             |                                       | (Using Fast Acting-One Time Fuses) | (Using Dual Element-Time Delay Fuses) | (Using Fast Acting-One Time Fuses) | (Using Dual Element-Time Delay Fuses) |
| <b>2 Wire (1 Blade and Fuseholder, 1 Neutral)—120 Vac</b>                                       |       |         |  |             |                     |             |                                       |                                    |                                       |                                    |                                       |
|   | 30    | Plug    | Use Light Duty Device for This Application (see below) |             |                     |             | —                                     | —                                  | —                                     | —                                  | —                                     |
|   | 30    | Cart.   | Use 3 Wire Devices for this application.               |             |                     |             | —                                     | —                                  | —                                     | —                                  | —                                     |
| <b>3 Wire (2 Blades and Fuseholders, 1 Neutral)—120/240 Vac (Plug), 240 Vac (Cart.) Maximum</b> |       |         |  |             |                     |             |                                       |                                    |                                       |                                    |                                       |
|   | 30    | Plug    | D211N  | 88239363    | D211NRB             | 88239364    | —                                     | 1 1/2                              | —                                     | 3                                  | —                                     |
|   | 30    | Cart.   | D221N  | 88239367    | D221NRB             | 88239368    | DRK 30                                | 1 1/2                              | 3 ‡                                   | 3                                  | 7 1/2 ‡                               |
|   | 60    | Cart.   | D222N  | 88239369    | D222NRB             | 88239370    | RFK 03H                               | 3                                  | 7 1/2 ‡                               | 10                                 | 15 ‡                                  |
|   | 100   | Cart.   | D223N  | 88239371    | D223NRB             | 88239372    | RFK 10                                | 7 1/2                              | 15 ‡                                  | 15                                 | 30 ‡                                  |
|   | 200   | Cart.   | D224N ◆  | 88239373    | D224NRB ◆           | 88239374    | HRK 1020                              | 15                                 | 25 ‡                                  | —                                  | 60 ‡                                  |
|   | 400   | Cart.   | D225N  | 88239375    | D225NR              | 88239376    | DRK 40                                | —                                  | —                                     | —                                  | —                                     |
| 600   | Cart. | D226N   | 88239377   | D226NR      | 88239378            | DRK 600     | —                                     | —                                  | —                                     | —                                  |                                       |
| <b>4 Wire (3 Blades and Fuseholders, 1 Neutral)—240 Vac Maximum</b>                             |       |         |  |             |                     |             |                                       |                                    |                                       |                                    |                                       |
|   | 30    | Cart.   | D321N  | 88239380    | D321NRB             | 88239381    | DRK 30                                | 1 1/2                              | 3                                     | 3                                  | 7 1/2                                 |
|   | 60    | Cart.   | D322N  | 88239384    | D322NRB             | 88239385    | RFK 03H                               | 3                                  | 7 1/2 ◆                               | 10                                 | 15 ◆                                  |
|   | 100   | Cart.   | D323N  | 88239388    | D323NRB             | 88239389    | RFK 10                                | 7 1/2                              | 15 ◆                                  | 15                                 | 30 ◆                                  |
|   | 200   | Cart.   | D324N ◆  | 88239392    | D324NRB ◆           | 88239393    | HRK 1020                              | 15                                 | 25 ◆                                  | —                                  | 60 ◆                                  |
|   | 400   | Cart.   | D325N  | 88239396    | D325NR              | 88239397    | DRK 40                                | —                                  | 50                                    | —                                  | 125                                   |
|   | 400   | Class T | D325NT   | 92104184    | D325NTR             | 93198264    | —                                     | —                                  | 50                                    | —                                  | —                                     |
|   | 600   | Cart.   | D326N  | 88239400    | D326NR              | 88239401    | DRK 600                               | —                                  | 75                                    | —                                  | 150                                   |
|   | 600   | Class T | D326NT   | 94032774    | D326NTR             | 94032773    | —                                     | —                                  | 75                                    | —                                  | —                                     |
|   | 800   | Class T | T327N  | 93171871    | T327NR              | 95028171    | —                                     | —                                  | 100                                   | —                                  | —                                     |

#### Not Fusible

| System                                   | Amps              | NEMA 1 Indoor     |                   | NEMA 3R Rainproof |             | Horsepower Ratings (Max.) |       |
|--|-------------------|-------------------|-------------------|-------------------|-------------|---------------------------|-------|
|  |                   | Catalog Number    | Advanced ID       | Catalog Number    | Advanced ID | 1Ø                        | 3Ø    |
| <b>2 Wire (2 Blades)—240 Vac Maximum</b> |                   |                   |                   |                   |             |                           |       |
|  | 30                | —                 | —                 | DU221RB **        | 88239421    | 3                         | —     |
|  | 60                | —                 | —                 | DU222RB **        | 88239422    | 10                        | —     |
|  | 60                | QO260NATS †◆      | 88242846          | —                 | —           | —                         | —     |
|  | 100               | QO2000NS †◆       | 88242743          | QO2000NRB †◆      | 88242742    | 20                        | —     |
|  | 200               | Use 3-pole Switch | —                 | Use 3-pole Switch | —           | —                         | —     |
| 400                                      | Use 3-pole Switch | —                 | Use 3-pole Switch | —                 | —           | —                         |       |
| 600                                      | Use 3-pole Switch | —                 | Use 3-pole Switch | —                 | —           | —                         |       |
| <b>3 Wire (3 Blades)—240 Vac Maximum</b> |                   |                   |                   |                   |             |                           |       |
|  | 30                | DU321 **          | 88239423          | DU321RB **        | 88239424    | 3                         | 7 1/2 |
|  | 60                | DU322 **          | 88239425          | DU322RB **        | 88239426    | 10                        | 15    |
|  | 100               | DU323 □           | 88239427          | DU323RB □         | 88239428    | 15                        | 30    |
|  | 200               | DU324 ▲           | 88239429          | DU324RB ▲         | 88239430    | 15                        | 60 ◆  |
|  | 400               | DU325 **          | 88239431          | —                 | —           | —                         | 125   |
|  | 600               | DU326 ▼           | 88239432          | —                 | —           | —                         | 150   |

\* Bolt-on hubs

† When installed, this kit rejects all but Class R fuses. When installed with this kit and Class R fuses, the switch is UL Listed for use on systems with up to 100,000 RMS symmetrical amperes available fault current.

‡ For corner grounded delta systems only. Use switching poles for ungrounded conductors.

\*\* Suitable for use as service equipment requires field installation of a service grounding kit.

†† Enclosed molded case switch.

● Includes factory installed grounding kit.

■ Includes factory installed neutral.

□ For service equipment use or when neutral is required, order part number SN0610.

▲ Suitable for use as service equipment, requires field installation of neutral assembly SN20A.

▼ Suitable for use as service equipment requires field installation of neutral assembly D600SN.

◆ For 200% neutral, order (1) additional neutral kit SN20A and (1) neutral jumper kit SN20NI.

◆ If corner grounded delta, install neutral and use outer switching poles for ungrounded conductors.

◇ If corner grounded delta, use outer switching poles for ungrounded conductors.

#### Light Duty—Visible Blades 10,000 A Short Circuit Current Rating

The Square D light duty enclosed switch is ideal for home applications in disconnecting power to workshops, hobby rooms, furnaces and garages.

#### Fusible

| System  | Amps | Fuse | NEMA 1 Indoor  |       | Horsepower Ratings |  |
|---|------|------|----------------|-------|--------------------|--|
|   |      |      | Catalog Number | Std.* | Max.*              |  |
| <b>2 Wire (1 Blade and Fuseholder, 1 Neutral)—120 Vac</b> |      |      |                |       |                    |  |
|   | 30   | Plug | L111N          | 1/2   | 2                  |  |

#### Fusible

| System  | Amps | Fuse  | NEMA 1 Indoor  |       | Horsepower Ratings |  |
|---|------|-------|----------------|-------|--------------------|--|
|   |      |       | Catalog Number | Std.* | Max.*              |  |
| <b>3 Wire (2 Blades and Fuseholders, 1 Neutral)—120/240 Vac</b> |      |       |                |       |                    |  |
|   | 30   | Plug  | L211N          | 1 1/2 | 3                  |  |
|   | 30   | Cart. | L221N          | 1 1/2 | 3                  |  |

\* For single phase hp rating, use two switching poles.



D223N



L211N

## Heavy Duty Safety Switches 240 Volt - Single Throw Fusible Class 3110

Square D®

Visible blade heavy duty safety switches are designed for application where maximum performance and continuity of service are required. All heavy duty safety switches feature quick-make, quick-break operating mechanism, a dual cover interlock and a color coded indicator handle. They are suitable for use as service equipment when equipped with a field or factory installed neutral assembly or equipment grounding kit, unless a 600Y/347 V or 480 Y/277 V, 1000 A or greater, solidly grounded WYE system is used, per NEC 215-10. Heavy duty safety switches are UL Listed (except as noted), File E2875 & 154828 and meet or exceed the NEMA Standard KS1. For UL Listed short circuit current ratings.



### 240 Volt—Single Throw Fusible

| System   | Amps | NEMA 1 Indoor                                 |             | NEMA 3R Rainproof |             | NEMA 4, 4X, 5, *<br>304 Stainless Steel<br>Dusttight, Watertight,<br>Corrosion Resistant |             | NEMA 12K<br>With<br>Knockouts |             | NEMA 12, 3R ‡<br>Without<br>Knockouts |             | Horsepower Ratings † |         |    |         | 250<br>Vdc<br>○ |
|--|------|---|-------------|-------------------|-------------|--|-------------|-------------------------------|-------------|---------------------------------------|-------------|----------------------|---------|----|---------|-----------------|
|  |      |   |             |                   |             |  |             |                               |             |                                       |             | 240 Vac              |         |    |         |                 |
|  |      | Cat. No.                                      | Advanced ID | Cat. No.          | Advanced ID | Cat. No.   | Advanced ID | Cat. No.                      | Advanced ID | Cat. No.                              | Advanced ID | 1Ø                   | 3Ø      | 1Ø | 3Ø      |                 |
| <b>2 Wire (2 Blades and Fuseholders)—240 Vac, 250 Vdc</b>            |      |   |             |                   |             |  |             |                               |             |                                       |             |                      |         |    |         |                 |
|  | 30   | Use 3 Wire Devices<br>For 2 Wire Applications |             |                   |             | H221DS   | 88240450    | H221A                         | 88240448    | H221AWK                               | 88240449    | 1 1/2                | 3**     | 3  | 7 1/2** | 5               |
|  | 30   |   |             |                   |             | —  | —           | —                             | —           | H221ZAWK ††                           | 88240447    | 1 1/2                | —       | 3  | —       | 5               |
|  | 60   |   |             |                   |             | H222DS   | 88240459    | —                             | —           | H222AWK                               | 88240458    | 3                    | 7 1/2** | 10 | 15**    | 10              |
|  | 100  |   |             |                   |             | H223DS   | 88240468    | H223A                         | 88240466    | H223AWK                               | 88240467    | 7 1/2                | 15**    | 15 | 30**    | 20              |
|  | 200  |   |             |                   |             | H224DS   | 88240477    | H224A                         | 88240475    | H224AWK                               | 88240476    | 15                   | 25**    | —  | 60**    | 40              |
|  | 400  | H225  | 88240484    | H225R             | 88240491    | H225DS   | 88240486    | —                             | —           | H225AWK                               | 88240485    | —                    | —       | —  | —       | 50              |
|  | 600  | H226  | 88240492    | H226R             | 88240499    | H226DS   | 88240494    | —                             | —           | H226AWK                               | 88240493    | —                    | 75**    | —  | 200**   | 50              |
|  | 800  | H227  | 88240500    | H227R             | 88240503    | —  | —           | —                             | —           | H227AWK                               | 22088761    | 50                   | —       | 50 | —       | 50              |
| 1200   | H228 | 88240504                                      | H228R       | 88240507          | —           | —  | —           | —                             | H228AWK     | 22088763                              | 50          | —                    | 50      | —  | 50      |                 |
| <b>3 Wire (2 Blades and Fuseholders, 1 Neutral)—240 Vac, 250 Vdc</b> |      |   |             |                   |             |  |             |                               |             |                                       |             |                      |         |    |         |                 |
|  | 30   | H221N   | 88240451    | H221NRB           | 88240455    | Use 2 Wire Devices,<br>Field Installable Solid Neutral Assemblies<br>Order Separately.   |             |                               |             | 1 1/2                                 | 3**         | 3                    | 7 1/2** | 5  |         |                 |
|  | 60   | H222N   | 88240460    | H222NRB           | 88240464    |  |             |                               |             | 3                                     | 7 1/2**     | 10                   | 15**    | 10 |         |                 |
|  | 100  | H223N   | 88240469    | H223NRB           | 88240473    |  |             |                               |             | 7 1/2                                 | 15**        | 15                   | 30**    | 20 |         |                 |
|  | 200  | H224N   | 88240478    | H224NRB           | 88240482    |  |             |                               |             | 15                                    | 25**        | —                    | 60**    | 40 |         |                 |
|  | 400  | H225N   | 88240487    | H225NR            | 88240490    | H225NDS  | 88240489    | —                             | —           | H225NAWK                              | 88240488    | —                    | 50**    | —  | 125**   | 50              |
|  | 600  | H226N   | 88240495    | H226NR            | 88240498    | H226NDS  | 88240497    | —                             | —           | H226NAWK                              | 88240496    | —                    | 75**    | —  | 200**   | 50              |
|  | 800  | H227N   | 88240501    | H227NR            | 88240502    | —  | —           | —                             | —           | H227NAWK                              | 22088762    | 50                   | —       | 50 | —       | 50              |
|  | 1200 | H228N   | 88240505    | H228NR            | 88240506    | —  | —           | —                             | —           | H228NAWK                              | 22088764    | 50                   | —       | 50 | —       | 50              |
| <b>3 Wire (3 Blades and Fuseholders)—240 Vac, 250 Vdc</b>            |      |   |             |                   |             |  |             |                               |             |                                       |             |                      |         |    |         |                 |
|  | 30   | Use 4 Wire Devices<br>For 3 Wire Applications |             |                   |             | H321DS   | 88240544    | H321A                         | 88240542    | H321AWK                               | 88240543    | 1 1/2                | 3       | 3  | 7 1/2   | 5               |
|  | 60   |   |             |                   |             | H322DS   | 88240554    | H322A                         | 88240552    | H322AWK                               | 88240553    | 3                    | 7 1/2   | 10 | 15      | 10              |
|  | 100  |   |             |                   |             | H323DS   | 88240564    | H323A                         | 88240562    | H323AWK                               | 88240563    | 7 1/2                | 15      | 15 | 30      | 20              |
|  | 200  |   |             |                   |             | H324DS   | 88240574    | H324A                         | 88240572    | H324AWK                               | 88240573    | 15                   | 25      | —  | 60      | 40              |
|  | 400  | H325  | 88240581    | H325R             | 88240588    | H325DS   | 88240583    | —                             | —           | H325AWK                               | 88240582    | —                    | 50      | —  | 125     | 50              |
|  | 600  | H326  | 88240589    | H326R             | 88240596    | H326DS   | 88240591    | —                             | —           | H326AWK                               | 88240590    | —                    | 75      | —  | 200     | 50              |
|  | 800  | H327  | 88240597    | H327R             | 88240600    | —  | —           | —                             | —           | H327AWK                               | 22088766    | 50                   | 100     | 50 | 250     | 50              |
|  | 1200 | H328  | 88240601    | H328R             | 88240604    | —  | —           | —                             | —           | H328AWK                               | 22088768    | 50                   | 100     | 50 | 250     | 50              |
| <b>4 Wire (3 Blades and Fuseholders, 1 Neutral)—240 Vac, 250 Vdc</b> |      |   |             |                   |             |  |             |                               |             |                                       |             |                      |         |    |         |                 |
|  | 30   | H321N   | 88240545    | H321NRB           | 88240549    | Use 3 Wire Devices,<br>Field Installable Solid Neutral Assemblies<br>Order Separately.   |             |                               |             | 1 1/2                                 | 3           | 3                    | 7 1/2   | 5  |         |                 |
|  | 60   | H322N   | 88240555    | H322NRB           | 88240559    |  |             |                               |             | 3                                     | 7 1/2       | 10                   | 15      | 10 |         |                 |
|  | 100  | H323N   | 88240565    | H323NRB           | 88240569    |  |             |                               |             | 7 1/2                                 | 15          | 15                   | 30      | 20 |         |                 |
|  | 200  | H324N   | 88240575    | H324NRB           | 88240579    |  |             |                               |             | 15                                    | 25          | —                    | 60      | 40 |         |                 |
|  | 400  | H325N   | 88240584    | H325NR            | 88240587    | H325NDS  | 88240586    | —                             | —           | H325NAWK                              | 88240585    | —                    | 50      | —  | 125     | 50              |
|  | 600  | H326N   | 88240592    | H326NR            | 88240595    | H326NDS  | 88240594    | —                             | —           | H326NAWK                              | 88240593    | —                    | 75      | —  | 200     | 50              |
|  | 800  | H327N   | 88240598    | H327NR            | 88240599    | —  | —           | —                             | —           | H327NAWK                              | 22088767    | 50                   | 100     | 50 | 250     | 50              |
|  | 1200 | H328N   | 88240602    | H328NR            | 88240603    | —  | —           | —                             | —           | H328NAWK                              | 22088769    | 50                   | 100     | 50 | 250     | 50              |
| <b>4 Wire (4 Blades and Fuseholders)</b>                             |      |   |             |                   |             |  |             |                               |             |                                       |             |                      |         |    |         |                 |
|  | 30   | Use 600 Vac Devices.                          |             |                   |             |  |             |                               |             |                                       |             |                      |         |    |         |                 |
|  | 60   |   |             |                   |             |  |             |                               |             |                                       |             |                      |         |    |         |                 |
|  | 100  |   |             |                   |             |  |             |                               |             |                                       |             |                      |         |    |         |                 |
|  | 200  |   |             |                   |             |  |             |                               |             |                                       |             |                      |         |    |         |                 |
|  | 400  |   |             |                   |             |  |             |                               |             |                                       |             |                      |         |    |         |                 |
| 600  |      |   |             |                   |             |  |             |                               |             |                                       |             |                      |         |    |         |                 |

\* Complete rating is NEMA 3, 3R, 4, 4X, 5 and 12. For NEMA 3R applications, remove drain screw from bottom endwall.

† The starting current of motors of more than standard horsepower may require the use of fuses with appropriate time delay characteristics.

‡ Also suitable for NEMA 3R application by removing drain screw from bottom endwall.

\*\* For corner grounded delta systems only and with neutral assembly installed. Use switching poles for ungrounded conductors.

†† 60 ampere switch with 30 ampere fuse spacing and clips. Must use 60 A enclosure accessories including electrical interlocks.






● Suitable for NEMA 5 applications with drain screw installed.

○ For switching DC, use two switching poles.

### Heavy Duty Safety Switches 600 Volt - Single Throw Fusible Class 3110

Square D®

#### 600 Volts—Single Throw Fusible

| System  | Amps  | NEMA 1 Indoor                              |             | NEMA 3R Rainproof |             | NEMA 4, 4X, 5*<br>304 Stainless Steel<br>Dusttight, Watertight,<br>Corrosion Resistant         |             | NEMA 12K<br>With Knockouts |             | NEMA 12, 3R‡<br>Without Knockouts |             | Horsepower Ratings†   |   |  |   |          |     |
|---|---|--|-------------|-------------------|-------------|--|-------------|----------------------------|-------------|-----------------------------------|-------------|---|---|--|---|----------|-----|
|   |   | Cat. No.                                   |             | Cat. No.          |             | Cat. No.   |             | Cat. No.                   |             | Cat. No.                          |             | 480 Vac   |   | 600 Vac                                  |   | dc<br>†† |     |
|   |   | Advanced ID                                | Advanced ID | Advanced ID       | Advanced ID | Advanced ID  | Advanced ID | Advanced ID                | Advanced ID | Advanced ID                       | Advanced ID | Std. (Using Fast Acting, One Time Fuses)  | Max. (Using Dual Element, Time Delay Fuses) | Std. (Using Fast Acting, One Time Fuses) | Max. (Using Dual Element, Time Delay Fuses) |          |     |
|   |   |  |             |                   |             |  |             |                            |             |                                   |             | 3Ø  | 3Ø  | 3Ø                                       | 3Ø  | 250      | 600 |
| <b>2 Wire (2 Blades and Fuseholders)—600 Vac, 600 Vdc</b>                           |   |  |             |                   |             |  |             |                            |             |                                   |             |   |   |  |   |          |     |
|    | 30  | Use 3 Wire Devices For 2 Wire Applications |             |                   |             |  |             |                            |             |                                   |             | —   | —   | —  | —   | —        | —   |
|   | 60  |  |             |                   |             |  |             |                            |             |                                   |             | —   | —   | —  | —   | —        | —   |
|   | 100   |  |             |                   |             |  |             |                            |             |                                   |             | —   | —   | —  | —   | —        | —   |
|   | 200   |  |             |                   |             |  |             |                            |             |                                   |             | —   | —   | —  | —   | —        | —   |
|   | 400   | H265                                       | 88240526    | H265R             | 88240529    | H265DS   | 88240528    | —                          | —           | H265AWK                           | 88240527    | 100 **  | 250 **                                      | —  | —   | 50       | 50  |
|   | 600   | H266                                       | 88240530    | H266R             | 91025960    | H266DS   | 90002938    | —                          | —           | H266AWK                           | 90002937    | 150 **  | 400 **                                      | —  | —   | 50       | 50  |
| 800   | H267  | 88240534                                   | H267R       | 88240535          | —           | —  | —           | —                          | H267AWK     | 22088765                          | —           | —   | —   | —  | 50  | 50       |     |
| 1200  | H268  | 88240536                                   | H268R       | 88240537          | —           | —  | —           | —                          | H268AWK     | —                                 | —           | —   | —   | —  | 50  | 50       |     |
| <b>3 Wire (3 Blades and Fuseholders)—600 Vac, 600 Vdc ††</b>                        |   |  |             |                   |             |  |             |                            |             |                                   |             |   |   |  |   |          |     |
|    | 30  | H361                                       | 88240607    | H361RB            | 88240620    | H361DS   | 88240613    | H361A                      | 88240611    | H361AWK                           | 88240612    | 5   | 15  | 7 1/2                                    | 20  | 5        | 15  |
|   | 30  | H361-2○                                    | 88240608    | H3612RB○          | 99664320    | —  | —           | H361-2A○                   | 88240609    | H3612AWK                          | 88240610    | 5   | 15  | 7 1/2                                    | 20  | —        | 15  |
|   | 60  | H362                                       | 88240621    | H362RB            | 88240633    | H362DS   | 88240626    | —                          | —           | H362AWK                           | 88240625    | 15  | 30  | 15                                       | 50  | —        | 30  |
|   | 100   | H363                                       | 88240635    | H363RB            | 88240645    | H363DS   | 88240638    | H363A                      | 88240636    | H363AWK                           | 88240637    | 25  | 60  | 30                                       | 75  | —        | 50  |
|   | 200   | H364                                       | 88240646    | H364RB            | 88240655    | H364DS   | 88240649    | H364A                      | 88240647    | H364AWK                           | 88240648    | 50  | 125   | 60                                       | 150   | 40       | 50  |
|   | 400   | H365                                       | 88240656    | H365R             | 88240663    | H365DS   | 88240658    | —                          | —           | H365AWK                           | 88240657    | 100   | 250   | 125                                      | 350   | 50       | 50  |
|   | 600   | H366                                       | 88240664    | H366R             | 88240671    | H366DS   | 88240666    | —                          | —           | H366AWK                           | 88240665    | 150   | 400   | 200                                      | 500   | 50       | 50  |
|   | 800   | H367                                       | 88240672    | H367R             | 88240675    | —  | —           | —                          | —           | H367AWK                           | 22088770    | 200   | 500   | 250                                      | 500   | 50       | 50  |
|   | 1200  | H368                                       | 88240676    | H368R             | 88240679    | —  | —           | —                          | —           | H368AWK                           | 22088772    | 200   | 500   | 250                                      | 500   | 50       | 50  |
|   | <b>4 Wire (3 Blades and Fuseholders, 1 Neutral)—600 Vac, 600 Vdc ††</b>             |  |             |                   |             |  |             |                            |             |                                   |             |   |   |  |   |          |     |
|  | 30  | H361N                                      | 88240615    | H361NRB           | 88240619    | Use 3 Wire Devices Field Installable Solid Neutral Assemblies. Order Separately. See page 3-10 |             |                            |             |                                   | 5           | 15  | 7 1/2                                       | 20                                       | —   | 15       |     |
|   | 60  | H362N                                      | 88240628    | H362NRB           | 88240632    |  |             |                            |             |                                   | 15          | 30  | 15  | 50                                       | —   | 30       |     |
|   | 100   | H363N                                      | 88240640    | H363NRB           | 88240644    |  |             |                            |             |                                   | 25          | 60  | 30  | 75                                       | —   | 50       |     |
|   | 200   | H364N                                      | 88240650    | H364NRB           | 88240654    | H364NDS  | 88240653    | H364NA                     | 88240651    | H364NAWK                          | 88240652    | 50  | 125   | 60                                       | 150   | 40       | 50  |
|   | 400   | H365N                                      | 88240659    | H365NR            | 88240662    | H365NDS  | 88240661    | —                          | —           | H365NAWK                          | 88240660    | 100   | 250   | 125                                      | 350   | 50       | 50  |
|   | 600   | H366N                                      | 88240667    | H366NR            | 88240670    | H366NDS  | 88240669    | —                          | —           | H366NAWK                          | 88240668    | 150   | 400   | 200                                      | 500   | 50       | 50  |
|   | 800   | H367N                                      | 88240673    | H367NR            | 88240674    | —  | —           | —                          | —           | H367NAWK                          | 22088771    | 200   | 500   | 250                                      | 500   | 50       | 50  |
|   | 1200  | H368N                                      | 88240677    | H368NR            | 88240678    | —  | —           | —                          | —           | H368NAWK                          | 22088773    | 200   | 500   | 250                                      | 500   | 50       | 50  |
|   | <b>4 Wire (4 Blades and Fuseholders)—600 Vac, 600 Vdc □</b>                         |  |             |                   |             |  |             |                            |             |                                   |             |   |   |  |   |          |     |
|   |  | 30   | H461        | 96025641          | —           | —  | H461DS      | 22088521                   | —           | —                                 | H461AWK     | 96075921  | 7 1/2                                       | 20                                       | 10  | 25       | 5   |
| 60  |   | H462                                       | 88240694    | —                 | —           | H462DS   | 22087330    | —                          | —           | H462AWK                           | 88240695    | 15  | 40  | 20                                       | 50  | 10       | 30  |
| 100   |   | H463                                       | 88240696    | —                 | —           | H463DS   | 22088830    | —                          | —           | H463AWK                           | 88240697    | 25  | 50  | 30                                       | 75  | 20       | 30  |
| 200   |   | H464                                       | 88240698    | —                 | —           | H464DS   | 22088831    | —                          | —           | H464AWK                           | 88240699    | 50  | —   | 50                                       | —   | 40       | 50  |
| 400   |   | H465●                                      | 88240700    | —                 | —           | —  | —           | —                          | —           | H465AWK                           | 88240701    | —   | —   | —  | —   | —        | —   |
| 600   |   | H466●                                      | 88240702    | —                 | —           | —  | —           | —                          | —           | —                                 | —           | —   | —   | —  | —   | —        | —   |
| <b>6 Wire (6 Blades and Fuseholders)—600 Vac □</b>                                  |   |  |             |                   |             |  |             |                            |             |                                   |             |   |   |  |   |          |     |
|  | 100   | —  | —           | —                 | —           | H663DS   | 22088832    | —                          | —           | H663AWK                           | 96075920    | 25  | 60  | 30                                       | 75  | —        | —   |
|   | 200   | —  | —           | —                 | —           | H664DS   | 22088522    | —                          | —           | H664AWK                           | 22088524    | For applications requiring motor disconnect capability, use electrical interlock. |   |  |   |          |     |

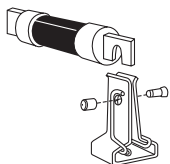
\* Complete rating is NEMA 3, 3R, 4, 4X, 5 and 12.  
 † The starting current of motors of more than standard horsepower may require the use of fuses with appropriate time delay characteristics.  
 ‡ Also suitable for NEMA 3R application by removing drain screw from bottom endwall.  
 \*\* For corner grounded delta systems only and with neutral assembly installed. Use switching poles for ungrounded conductors.

†† On 3-Pole devices, use two outside poles for switching DC.  
 ● 600 Vac only.  
 ○ 60 ampere switch with 30 ampere fuse spacing and clips. Must use 60 A enclosure accessories including electrical interlocks.  
 ■ Suitable for NEMA 5 applications with drain screw installed.  
 □ Not suitable for use as service equipment.

#### Class H Fuse Provisions:

Fusible Square D 30 through 600 ampere heavy duty safety switches accept Class H fuses as standard. With Class H fuses installed, the switch is UL Listed for use on systems with up to 10,000 RMS symmetrical amperes available fault current.

#### Class R Fuse Provisions:



Fusible Square D 30 through 600 ampere heavy duty safety switches will accept Class R fuses as standard. A field installable rejection kit is available which, when installed, rejects all but Class R fuses. With the installation of the rejection kit and Class R fuses, the switch is UL Listed for use on systems with up to 200,000 RMS symmetrical amperes available fault current.

#### Class J Fuse Provisions:

Provisions for installing Class J fuses are included in 30 through 400 ampere 600 Volt, and 100 through 400 ampere 240 Volt, fusible heavy duty safety switches. Conversion to Class J fuse spacing requires relocating the load side fuse base assembly from the standard Class H fuse location to an alternate position as marked in the enclosure. With Class J fuses installed, the switch is UL Listed for use on systems with up to 200,000 RMS symmetrical amperes available fault current. Switches rated 600 amperes, 240 or 600 Volt, require the addition of an adapter kit, H600J. One kit per 3-pole switch.

#### Class L Fuse Provisions:

Fusible 800 A and 1200 A safety switches use Class L bolt-in fuses and are rated for use on systems with up to 200,000 RMS symmetrical amperes at 600 Vac maximum. 1200 A switches accept class L fuses from 601-1200 A, 800 A switches accept class L fuses from 601-800 A.

### Heavy Duty Safety Switches

### 600 Volt - Not Fusible

### Class 3110

Square D®

#### 600 Volt—Single Throw Not Fusible

| System                                    | Amps                                      | NEMA 1 Indoor                              |             | NEMA 3R Rainproof |             | NEMA 4, 4X, 5 *<br>304 Stainless Steel<br>Dusttight, Watertight<br>Corrosion Resistant |             | NEMA 12K<br>With<br>Knockouts |             | NEMA 12, 3R †<br>Without<br>Knockouts |             | Horsepower Ratings<br>(Max.) |             |          |     |    |          |    |    |
|---|---|--|-------------|-------------------|-------------|--|-------------|-------------------------------|-------------|---------------------------------------|-------------|------------------------------|-------------|----------|-----|----|----------|----|----|
|   |   | Cat. No.                                   | Advanced ID | Cat. No.          | Advanced ID | Cat. No.   | Advanced ID | Cat. No.                      | Advanced ID | Cat. No.                              | Advanced ID | Cat. No.                     | Advanced ID | Volts ac |     |    | dc<br>** |    |    |
|   |   |  |             |                   |             |  |             |                               |             |                                       |             |                              |             | 1Ø       | 3Ø  | 1Ø |          | 3Ø | 1Ø |
| <b>2 Wire (2 Blades)—600 Vac, 600 Vdc</b> |   |  |             |                   |             |  |             |                               |             |                                       |             |                              |             |          |     |    |          |    |    |
|   | 30  | Use 3 Wire Devices For 2 Wire Applications |             |                   |             |  |             |                               |             |                                       |             | —                            | —           | —        | —   | —  | —        |    |    |
|   | 60  |  |             |                   |             |  |             |                               |             |                                       |             | —                            | —           | —        | —   | —  | —        |    |    |
|   | 100                                       |  |             |                   |             |  |             |                               |             |                                       |             | —                            | —           | —        | —   | —  | —        |    |    |
|   | 200                                       |  |             |                   |             |  |             |                               |             |                                       |             | —                            | —           | —        | —   | —  | —        |    |    |
|   | 400                                       | HU265                                      | 88240947    | HU265R            | 88240950    | HU265DS  | 88240949    | —                             | —           | HU265AWK                              | 88240948    | —                            | —           | —        | —   | —  | 50       | 50 |    |
|   | 600                                       | HU266                                      | 88240951    | HU266R            | 88240954    | HU266DS  | 88240953    | —                             | —           | HU266AWK                              | 88240952    | —                            | —           | —        | —   | —  | 50       | 50 |    |
| 800                                       | HU267                                     | 88240955                                   | HU267R ‡    | 88240956          | —           | —  | —           | —                             | HU267AWK    | 22088774                              | 50          | —                            | 50          | —        | —   | —  | 50       |    |    |
| 1200                                      | HU268                                     | 88240957                                   | HU268R ‡    | 88240958          | —           | —  | —           | —                             | HU268AWK    | 22088775                              | 50          | —                            | 50          | —        | —   | —  | 50       |    |    |
| <b>3 Wire (3 Blades)—600 Vac, 600 Vdc</b> |   |  |             |                   |             |  |             |                               |             |                                       |             |                              |             |          |     |    |          |    |    |
|   | 30  | HU361                                      | 88240959    | HU361RB           | 88240967    | HU361DS  | 88240964    | HU361A                        | 88240960    | HU361AWK                              | 88240962    | 5                            | 10          | 7 1/2    | 20  | 10 | 30       | 5  | 15 |
|   | 30  | HU361EI                                    | 88240966    | HU361RBEI         | 88240968    | HU361DSEI  | 88240965    | HU361AEI                      | 88240961    | HU361AWKEI                            | 88240963    | 5                            | 10          | 7 1/2    | 20  | 10 | 30       | 5  | 15 |
|   | 30  | HU3612                                     | —           | HU3612RB          | 22068209    | —  | —           | HU3612A                       | —           | HU3612AWK                             | 25051618    | 5                            | 10          | 7 1/2    | 20  | 10 | 30       | 5  | 15 |
|   | 60  | HU362                                      | 88240969    | HU362RB           | 88240979    | HU362DS  | 88240976    | HU362A                        | 88240970    | HU362AWK                              | 88240974    | 10                           | 20          | 25       | 50  | 30 | 60       | 10 | 30 |
|   | 60  | —  | —           | —                 | —           | HU362DSEI  | 88240977    | —                             | —           | —                                     | —           | 10                           | 20          | 25       | 50  | 30 | 60       | 10 | 30 |
|   | 100                                       | HU363                                      | 88240982    | HU363RB           | 88240986    | HU363DS  | 88240985    | HU363A                        | 88240983    | HU363AWK                              | 88240984    | 20                           | 40          | 40       | 75  | 40 | 100      | 20 | 50 |
|   | 200                                       | HU364                                      | 88240987    | HU364RB           | 88240991    | HU364DS  | 88240990    | HU364A                        | 88240988    | HU364AWK                              | 88240989    | 15                           | 30          | 50       | 125 | 50 | 150      | 40 | 50 |
|   | 400                                       | HU365                                      | 88240992    | HU365R            | 88240995    | HU365DS  | 88240994    | —                             | —           | HU365AWK                              | 88240993    | —                            | 125         | —        | 250 | —  | 350      | 50 | 50 |
|   | 600                                       | HU366                                      | 88240996    | HU366R            | 88240999    | HU366DS  | 88240998    | —                             | —           | HU366AWK                              | 88240997    | —                            | 200         | —        | 400 | —  | 500      | 50 | 50 |
|   | 800                                       | HU367                                      | 88241000    | HU367R ‡          | 88241001    | —  | —           | —                             | —           | HU367AWK                              | 95018937    | 50                           | 250         | 50       | 500 | 50 | 500      | 50 | 50 |
|   | 1200                                      | HU368                                      | 88241002    | HU368R ‡          | 88241003    | —  | —           | —                             | —           | HU368AWK                              | 22088777    | 50                           | 250         | 50       | 500 | 50 | 500      | 50 | 50 |
|   | <b>4 Wire (4 Blades)—600 Vac, 600 Vdc</b> |  |             |                   |             |  |             |                               |             |                                       |             |                              |             |          |     |    |          |    |    |
|   | 30  | HU461                                      | 88241004    | —                 | —           | HU461DS  | 88241006    | —                             | —           | HU461AWK                              | —           | 10                           | 10          | 20       | 20  | 25 | 30       | 10 | 15 |
|   | 60  | HU462                                      | 88241007    | —                 | —           | HU462DS  | 92104893    | —                             | —           | HU462AWK                              | 88241008    | 20                           | 20          | 40       | 50  | 50 | 60       | 10 | 30 |
|   | 100                                       | HU463                                      | 88241009    | —                 | —           | HU463DS  | 94023987    | —                             | —           | HU463AWK                              | 88241010    | 30                           | 40          | 50       | 75  | 50 | 75       | 20 | 30 |
|   | 200                                       | HU464                                      | 88241011    | —                 | —           | HU464DS  | 22087332    | —                             | —           | HU464AWK                              | 88241012    | 50                           | 60          | 50       | 125 | 50 | 150      | 40 | 50 |
|   | 400                                       | HU465†                                     | 88241013    | —                 | —           | —  | —           | —                             | —           | HU465AWK†                             | 88241014    | —                            | —           | —        | —   | —  | —        | —  | —  |
|   | 600                                       | HU466††                                    | 88241015    | —                 | —           | —  | —           | —                             | —           | —                                     | —           | —                            | —           | —        | —   | —  | —        | —  | —  |
| <b>6 Wire (6 Blades)—600 Vac</b>          |   |  |             |                   |             |  |             |                               |             |                                       |             |                              |             |          |     |    |          |    |    |
|   | 30  | —  | —           | —                 | —           | HU661DS  | 92104470    | —                             | —           | HU661AWK▲                             | 95072331    | —                            | 10          | —        | 20  | —  | 30       | —  |    |
|   | 60  | —  | —           | —                 | —           | HU662DS  | 92104490    | —                             | —           | HU662AWK▲                             | 96068885    | —                            | 20          | —        | 50  | —  | 60       | —  |    |
|   | 100                                       | —  | —           | —                 | —           | HU663DS  | 22088523    | —                             | —           | HU663AWK▲                             | 96075922    | —                            | 40          | —        | 75  | —  | 75       | —  |    |
|   | 200                                       | —  | —           | —                 | —           | HU664DS  | 22047106    | —                             | —           | HU664AWK▲                             | 22087336    | —                            | 60          | —        | 125 | —  | 150      | —  |    |

\* Complete rating is NEMA 3, 3R, 4, 4X, 5 and 12.  
 † Also suitable for NEMA 3R application by removing drain screw from bottom endwall.  
 ‡ Suitable for NEMA 5 applications with drain screw installed.  
 \*\* For switching DC, use two switching poles.  
 †† 400–600 A is 600 Vac only.  
 ● Switches with EI suffix are stocked with factory-installed electrical interlocks with one normally open and one normally closed contact.  
 ○ Not suitable for use as service equipment.  
 ■ No knockouts are provided.  
 □ Check series number on switch for correct accessory.  
 ▲ One enclosure for NEMA 1, 3, 3R or 12 applications. UL Listed.  
 ▼ 60 ampere switch with 30 A fuse spacing. Must use 60 A enclosure accessories, including electrical interlocks.  
 ◆ HU461 AWK (Series E1) is rated 5 hp@250 Vdc, 10 hp@600 Vdc.

#### UL Listed Maximum Short Circuit Current Ratings—AC only

Note: Consult the wiring diagram of the switch to verify the UL Listed short circuit current rating.

#### Fusible Safety Switches

For the short circuit current rating, refer to the below table.

| Heavy Duty Safety Switch Type | UL Listed Fuse Class | UL Listed Short Circuit Current Ratings (RMS Symmetrical Amperes) |
|-------------------------------|----------------------|---|
| Fusible                       | H, K                 | 10,000  |
|                               | R, T, J, L           | 200,000 †   |

† On 600 V, 200 A switches, 100,000 A max. on corner grounded delta when protected by Class J or R fuses.

#### Not Fusible Safety Switches

Any brand of circuit breaker or fuse not exceeding the ampere rating of the switch may be used ahead of an unfused safety switch when there is up to 10,000 A short circuit current available. (See below table.)  
**Above 10,000 A**—When applied on systems with greater than 10,000 A short circuit current available, the UL Listed short circuit current rating for Square D unfused switches is based upon the switch being used in conjunction with fuses or Square D circuit breakers or Mag-Gard motor circuit protectors.

| Heavy Duty Safety Switch Type | Switch Ampere Rating (Amperes) † | Upstream Fuse or Circuit Breaker Type * | UL Listed Short Circuit Current Rating of switch (RMS Symmetrical Amperes) |
|-------------------------------|----------------------------------|---|--|
| Unfused Switches              | all                              | Any Brand Circuit Breaker               | up to 10,000   |
|                               |                                  | H, K                                    |  |
|                               |                                  | R, T, J, L                              |  |
|                               | 30–100                           | FA                                      | 14,000   |
|                               | 30–100                           | FH                                      | 18,000   |
|                               | 200                              | KA                                      | 22,000   |
|                               | 400                              | LA                                      |  |
|                               | 600                              | MA                                      |  |
|                               | 200                              | KH                                      |  |
|                               | 400                              | LH                                      | 25,000   |
| 600                           | MH                               |   |  |

† Applies to NEMA 1, 3R, 4X stainless, 12 switches.  
 \* Ampere rating of fuse or circuit breaker not to exceed switch ampere rating.

#### Maximum I<sup>2</sup>t and I<sub>p</sub> Ratings of Heavy Duty Switches ☆

| Switch Rating Ampere | Max. I <sup>2</sup> t Rating (Amp <sup>2</sup> sec) | Max I <sub>p</sub> Rating (Amperes) |
|----------------------|---|-------------------------------------|
| 30                   | 50,000  | 14,000                              |
| 60                   | 200,000   | 26,000                              |
| 30                   | 50,000  | 14,000                              |
| 60                   | 200,000   | 26,000                              |
| 100                  | 500,000   | 32,000                              |
| 200                  | 2,000,000   | 50,000                              |
| 400                  | 6,000,000   | 75,000                              |
| 600                  | 12,000,000  | 100,000                             |
| 800                  | 10,000,000  | 80,000                              |
| 1200                 | 15,000,000  | 120,000                             |

☆ Per UL 489, table 7.12.2.

### Double Throw Safety Switches 240 Volt - Fusible and Non Fusible Class 3140

Square D®

| Ampere Rating                  | Current Series | NEMA 1      |             | NEMA 3R     |             | NEMA 12 Gasketed |             | Horsepower Ratings *□ |      |      |      | 250 Vdc †† |
|--------------------------------|----------------|-------------|-------------|-------------|-------------|------------------|-------------|-----------------------|------|------|------|------------|
|                                |                | Catalog No. | Advanced ID | Catalog No. | Advanced ID | Catalog No.      | Advanced ID | 240 Vac               |      | 1Ø   | 3Ø   |            |
|                                |                |             |             |             |             |                  |             | Std.                  | Max. |      |      |            |
| <b>Fusible</b>                 |                |             |             |             |             |                  |             |                       |      |      |      |            |
| <b>2-Pole, 240 Vac—250 Vdc</b> |                |             |             |             |             |                  |             |                       |      |      |      |            |
| 100                            | F              | DT223       | 22088752    | DT223RB     | 22088745    | —                | —           | 7.5                   | 15†  | 15   | 30†  | 20         |
| <b>3-Pole, 240 Vac—250 Vdc</b> |                |             |             |             |             |                  |             |                       |      |      |      |            |
| 30                             | F              | DT321       | 22088858    | DT321RB     | 22088746    | —                | —           | 1.5**                 | 3†   | 3**  | 7.5† | 5          |
| 60                             | F              | DT322       | 22088859    | DT322RB     | 22070601    | —                | —           | 3**                   | 7.5† | 10** | 15†  | 10         |
| 100                            | F              | DT323       | 22088860    | DT323RB     | 22088747    | —                | —           | 7.5**                 | 15†  | 15** | 30†  | 20         |
| <b>Not Fusible</b>             |                |             |             |             |             |                  |             |                       |      |      |      |            |
| <b>2-Pole, 240 Vac—250 Vdc</b> |                |             |             |             |             |                  |             |                       |      |      |      |            |
| 60                             | F              | DTU222      | 22085293    | —           | —           | —                | —           | —                     | —    | 10   | —    | 10††       |
| 100                            | F              | DTU223      | 22073599    | DTU223RB    | 22075760    | —                | —           | —                     | —    | 15   | —    | 20††       |
| 30                             | T4             | 92251●      | 88238645    | —           | —           | —                | —           | —                     | —    | —    | —    | —          |
| 200                            | E              | 82254       | 88238613    | DTU224NRB●▲ | 88239418    | H82254▼          | 99970705    | 15                    | —    | —    | —    | —          |
| 200                            | E              | 82254NW▲    | 96059031    | —           | —           | —                | —           | 15                    | —    | —    | —    | —          |
| 400                            | E              | 92255●      | 88238647    | 92255R●     | 99533638    | H92255●▼         | —           | —                     | —    | —    | —    | —          |
| <b>3-Pole, 240 Vac—250 Vdc</b> |                |             |             |             |             |                  |             |                       |      |      |      |            |
| 30                             | F              | DTU321      | 22085294    | —           | —           | —                | —           | —                     | 3†   | 5**  | 10†  | 5††        |
| 60                             | F              | DTU322      | 22085295    | —           | —           | —                | —           | —                     | —    | 10** | 15†  | 10††       |
| 100                            | F              | DTU323      | 22085297    | DTU323RB    | 22081745    | —                | —           | —                     | —    | 15** | 30†  | 20††       |
| 30                             | T4             | 92351●      | 88238656    | —           | —           | —                | —           | —                     | —    | —    | —    | —          |
| 200                            | E              | 82354●      | 88238639    | DTU324NRB●▲ | 88239420    | H82354●■         | —           | 15                    | —    | —    | —    | —          |
| 200                            | E              | DTU324N●▲   | 97107446    | —           | —           | —                | —           | 15                    | —    | —    | —    | —          |
| 400                            | E              | 92355●      | 88238658    | 92355R●     | 95042332    | H92355●▼         | —           | —                     | —    | —    | —    | —          |
| 600                            | E              | 92356●      | 88238660    | 92356R●     | 95043877    | H92356▼          | —           | —                     | —    | —    | —    | —          |
| <b>4-Pole, 240 Vac</b>         |                |             |             |             |             |                  |             |                       |      |      |      |            |
| 30                             | T4             | 92451●      | 88238668    | —           | —           | —                | —           | —                     | —    | —    | —    | —          |
| 200                            | E              | 92454○      | 88238674    | 92454RB○    | 99973801    | H82454○▼         | —           | 15○                   | —    | —    | —    | —          |
| 400                            | E              | 92455       | 88238675    | 92455R      | —           | H92455▼          | —           | —                     | —    | —    | —    | —          |
| 600                            | E              | 92456       | 88238677    | 92456R      | 22088744    | H92456■          | —           | —                     | —    | —    | —    | —          |

\* The starting current of motors of more than standard horsepower may require the use of fuses with appropriate time delay characteristics.

† If used on corner grounded delta systems, install neutral and use outer switching pole for ungrounded conductors.

‡ For switching dc, use two switching poles.

\*\* Use outer switching poles.

†† Maximum rating.

● 240 Vac only

○ Hp rating applies only to H82454. (92454, 92454RB are not Hp rated)

■ Not UL listed or suitable for use as service equipment.

□ Std.—Using fast acting one time fuses. Max.—Using dual element time delay fuses.

▲ Neutral included with device.

▼ Not UL Listed.

**Note:** 82,000 and 92,000 switches: the neutral must be factory installed.



## Double Throw Safety Switches 600 Volt - Fusible and Non Fusible Class 3140

Square D®

| Ampere Rating                  | Current Series | NEMA 1      |             | NEMA 3R     |             | NEMA 4,4X,5<br>304 Stainless Steel |             | NEMA 12, 3RØ<br>Gasketed |             | Horsepower Ratings*☆ |      |         |      |         |     |      |     |
|--------------------------------|----------------|-------------|-------------|-------------|-------------|------------------------------------|-------------|--------------------------|-------------|----------------------|------|---------|------|---------|-----|------|-----|
|                                |                | Catalog No. | Advanced ID | Catalog No. | Advanced ID | Catalog No.                        | Advanced ID | Catalog No.              | Advanced ID | 240 Vac              |      | 480 Vac |      | 600 Vac |     | DC‡  |     |
|                                |                |             |             |             |             |                                    |             |                          |             | std                  | max  | std     | max  | std     | max | 250  | 600 |
| <b>Fusible</b>                 |                |             |             |             |             |                                    |             |                          |             |                      |      |         |      |         |     |      |     |
| <b>3-Pole, 600 Vac—600 Vdc</b> |                |             |             |             |             |                                    |             |                          |             |                      |      |         |      |         |     |      |     |
| 30                             | F              | DT361       | 22088861    | DT361RB     | 22088748    | —                                  | —           | —                        | —           | —                    | —    | 5       | 15   | 7.5     | 20  | 5    | 15  |
| 60                             | F              | DT362       | 22088862    | DT362RB     | 22088749    | —                                  | —           | —                        | —           | —                    | —    | 15      | 30   | 15      | 50  | —    | 30  |
| 100                            | F              | DT363       | 22088863    | DT363RB     | 22088750    | —                                  | —           | —                        | —           | —                    | —    | 25      | 60   | 30      | 75  | —    | 50  |
| <b>Not Fusible</b>             |                |             |             |             |             |                                    |             |                          |             |                      |      |         |      |         |     |      |     |
| <b>3-Pole, 600 Vac—600 Vdc</b> |                |             |             |             |             |                                    |             |                          |             |                      |      |         |      |         |     |      |     |
|                                |                |             |             |             |             |                                    |             |                          |             |                      |      | 1Ø**    | 3Ø‡  | 1Ø**    | 3Ø‡ | 1Ø** | 3Ø  |
| 30                             | F              | DTU361      | 22088864    | DTU361RB    | 22088751    | —                                  | —           | —                        | —           | 5                    | 10   | 7.5     | 20   | 10      | 30  | 5    | 15  |
| 60                             | F              | DTU362      | 99945055    | DTU362RB    | 22073229    | DTU362DS                           | 22087311    | DTU362AWK                | 22072021    | 10                   | 20†† | 25      | 50●  | 30      | 60○ | 10   | 30  |
| 100                            | F              | DTU363      | 99868199    | DTU363RB    | 22054943    | DTU363DS                           | 22088510    | DTU363AWK                | 22088754    | 20                   | 40■  | 40      | 75■□ | 40      | 75■ | 20   | 50  |
| 200                            | E              | 82344▲      | 88238632    | 82344RB▲    | 88238634    | 82344DS▲▼                          | 22088509    | H82344▲▲*                | 96013300    | —                    | —    | —       | 15◆  | —       | —   | —    | —   |
| 400                            | E              | 92345◆*     | 88238651    | 92345R◆*    | 88238653    | —                                  | —           | H92345◆◆*                | 22088760    | —                    | —    | —       | —    | —       | —   | —    | —   |
| 600                            | E              | 92346◆*     | 88238654    | 92346R◆*    | 88238655    | —                                  | —           | H92346◆◆*                | —           | —                    | —    | —       | —    | —       | —   | —    | —   |
| <b>4-Pole, 600 Vac—600 Vdc</b> |                |             |             |             |             |                                    |             |                          |             |                      |      |         |      |         |     |      |     |
|                                |                |             |             |             |             |                                    |             |                          |             | 2Ø                   | 3Ø   | 2Ø      | 3Ø   | 2Ø      | 3Ø  |      |     |
| 60                             | F              | DTU462      | 22069837    | Use NEMA 12 | —           | DTU462DS                           | 22088511    | DTU462AWK                | 22088755    | 20                   | 20   | 40      | 50   | 50      | 60  | 10   | 30  |
| 100                            | F              | DTU463      | 22088865    | —           | —           | DTU463DS                           | 22088512    | DTU463AWK                | 22088756    | 30                   | 40   | 50      | 75   | 50      | 75  | 20   | 30  |
| 200                            | E              | 92444◆*     | 88238664    | 92444RB◆*   | 22088740    | 92444DS◆*                          | 22087310    | H82444▲▲*                | 22088759    | —                    | —    | —       | —    | —       | —   | —    | —   |
| 400                            | E              | 92445◆*     | 88238665    | 92445R◆*    | 22088741    | —                                  | —           | H92445◆◆*                | —           | —                    | —    | —       | —    | —       | —   | —    | —   |
| 600                            | E              | 92446◆*     | 88238667    | 92446R◆*    | 22088742    | —                                  | —           | H92446◆◆*                | —           | —                    | —    | —       | —    | —       | —   | —    | —   |
| <b>6-Pole, 600 Vac—600 Vdc</b> |                |             |             |             |             |                                    |             |                          |             |                      |      |         |      |         |     |      |     |
|                                |                |             |             |             |             |                                    |             |                          |             | 1Ø                   | 3Ø   | 1Ø      | 3Ø   | 1Ø      | 3Ø  |      |     |
| 60                             | F              | —           | —           | —           | —           | —                                  | —           | DTU662AWK                | —           | —                    | 20   | —       | 50   | —       | 60  | 10   | 30  |
| 100                            | F              | —           | —           | —           | —           | —                                  | —           | DTU663AWK                | —           | —                    | 40   | —       | 75   | —       | 75  | 20   | 50  |

\* The starting current of motors of more than standard horsepower may require the use of fuses with appropriate time delay characteristics.

† If used on corner grounded delta systems, install neutral and use outer switching pole for ungrounded conductors.

‡ For switching dc, use two switching poles.

\*\* Use outer switching poles.

†† Maximum Hp is 15 for corner grounded delta systems.

● Maximum Hp is 30 for corner grounded delta systems.

○ Use 75° C #4 Cu or #2 Al conductors only.

■ Use 75° C #1 Cu conductors only.

□ Maximum Hp is 60 for corner grounded delta systems.

▲ 480 Vac maximum only, 250Vdc.

▼ Not UL Listed.

◆ Standard Hp rating.

◆ Not UL Listed or suitable for use as service equipment.

◆ 600 Vac only.

★ dc rating is 250V.

☆ Std.—Using fast acting one time fuses. Max.—Using dual element time delay fuses.

(Unfused switches have max rating unless noted.)

⊙ Complete rating on DTU switches is NEMA 3R, 5 or 12.

For 3R applications, remove drain screw from bottom endwall.

\* H82.... and H92.... devices are NEMA 12 only, intended for use indoors only. (H92445 is NEMA 12K)



### Air Conditioning Disconnects

#### Non-Fusible

Square D®



QO200TR



QO200TRNM



PKHB Housing Bracket

Class 3150, 6610

| Amp Rating * | Mfg. No. | Advanced ID | Finish | Max. HP |
|--------------|----------|-------------|--------|---------|
|--------------|----------|-------------|--------|---------|

#### Not Fusible Air Conditioning Disconnect - Molded Case Switch

##### Rainproof - UL Listed

##### 2-Wire (Molded Case Switch Included) - 240V AC Maximum

|    |           |                 |              |    |
|----|-----------|-----------------|--------------|----|
| 60 | QO200TR†  | <b>88242744</b> | Metallic     | 10 |
| 60 | QO200TRNM | <b>99425067</b> | Non-Metallic | 10 |

#### Not Fusible Air Conditioning Disconnect - Pullout

##### Rainproof - UL Listed

##### 2-Wire - 240V AC Maximum

|    |           |                 |              |    |
|----|-----------|-----------------|--------------|----|
| 60 | UFP222R   | <b>97274090</b> | Metallic     | 10 |
| 60 | UFP222RNM | <b>99425066</b> | Non-Metallic | 10 |

##### 2-Wire - 240V AC Maximum - with 20A GFI receptacle

|    |            |                 |          |    |
|----|------------|-----------------|----------|----|
| 60 | UFP222RGFI | <b>22122089</b> | Metallic | 10 |
|----|------------|-----------------|----------|----|

##### 2-Wire - 240V AC Maximum - with 20A duplex receptacle

|    |          |                 |          |    |
|----|----------|-----------------|----------|----|
| 60 | UFP222RD | <b>22122090</b> | Metallic | 10 |
|----|----------|-----------------|----------|----|

\*Does not contain overcurrent protection. Suitable for use on systems with up to 10,000 RMS symmetrical amperes available fault current at 240V AC max when protected by a fuse or circuit breaker rated 60A or less.

†PKHB - Bracket used with QO200TR for stucco, aluminum and vinyl siding. Order quantity multiples of 10.

### Class R Fuse Kits

Square D®

When installed, this kit rejects all but Class R fuses. Kits are available for field installation. For factory installation, add 'CLR' suffix to the catalog number.

| Mfg. No.  | Advanced ID     | Description   |
|---|-----------------|---|
| <b>CLASS R FUSE KITS - 240 and 600V (One kit per 3-pole switch)</b> |                 |   |
| RFK03L*   | <b>99434210</b> | 30A, 240V, Series Number F5-F7.   |
| RFK03H†‡  | <b>99434211</b> | 60A, 240V, Series Number F4-F7 and 30A†, 600V, Series Number F1, F5-F7 and 60A†**, 600V, Series Number F4‡. |
| RFK06   | <b>94008227</b> | 60A, 240V, Series Number F1, F2, F3 and 30A†, Series Number F3.   |
| RFK06H†   | <b>94008228</b> | 60A†, 600V, Series Number F1, F2, F3, F5-F7.  |
| RFK10   | <b>94005388</b> | 100A, 240V, Series Number F2-F7 and 100A†, 600V, Series Number F2-F7.                                       |
| HRK1020   | <b>88240921</b> | 200A, 240V, Series Number F5-F6 and 200A, 600V, Series Number F5-F6.  |
| HRK4060   | <b>88240924</b> | 400-600A, 240V, Series Number E and 400-600A, 600V, Series Number E2-E4.                                    |

\*H221-2AWK uses RFK06 Class R fuse kit.

†The following series F5-F7 devices use RFK06; H361-2, H361-2A, H361-2AWK, H361-2RB, H461, H461DS, H461AWK, H361AWA and H361AWC.

‡H362WA, H362WC, H362AWA, H362AWC, H362WH and H362AWH use RFK06H Class R fuse kit.

### Electrical Interlock Kits

Square D®

Electrical interlocks for heavy duty 30-1200 ampere safety switches are available factory installed or in kit form for field installation. Each kit contains instructions for proper field mounting. A pivot arm operates from switch mechanism, breaking the control circuit before the main switch blades break. Switches with electrical interlocks installed are UL Listed.

For factory installed electrical interlocks add EI (for one contact) or EI2 (for two contacts) suffix to catalog number. Additional cost may apply.

| Mfg. No. * | Advanced ID     | Description   |
|------------|-----------------|---|
| EIK031†‡** | <b>98296477</b> | 30A, Series F1, F5-F7 and 60A, Series F4.                               |
| EIK032†‡** | <b>98296478</b> | 30A, Series F1, F5-F7 and 60A, Series F5-F6 (240V).                     |
| EIK1       | <b>94005390</b> | 30A, Series F3 and 60A, Series F1-F3 and 100-200A, Series F2-F7.        |
| EIK2       | <b>94048082</b> | 30A, Series F3 and 60A, Series F5-F7 (600V) and 100-200A, Series F2-F7. |
| EIK40601   | <b>88239499</b> | 400-1200A, Series E1-E4.  |
| EIK40602   | <b>88239500</b> | 400-1200A, Series E1-E4.  |

\*Electrical Interlock kit catalog numbers with 1 suffix indicates one normally open and one normally closed contact; 2 indicates two normally open and two normally closed contacts. Kits are UL Listed.

†HU461AWK uses EK3061 or EK3062.

‡The following series F5-F7 devices use EIK-1, H361-2, H361-2A, H361-2AWK, H361-2RB, H461, H461DS, H461AWK, HU461, HU461DS, HU661DS, HU661AWK, H361AWA, H361AWC, HU361AWA and HU361AWC.

\*\*H362WA, HU362WA, H362WC, H362AWA, HU362AWA, H362AWC, and HU362AWC use EIK1 or EIK2 electric interlock.

### Rainproof Bolt-on Hubs

Square D®

For use on NEMA 3R Enclosures. NEMA 3R rainproof enclosures with catalog number ending in RB have a bolt-on closing cap factory installed. Order bolt-on hubs separately from table below. Hubs thru size 2½ can be directly installed on RB devices. Devices requiring 3 inch or larger hubs must have holes cut in the field. Gaskets are provided on 3 inch and larger hubs.



| Mfg. No. | Advanced ID     | Description      |
|----------|-----------------|------------------|
| B075     | <b>88239152</b> | Bolt-on Hub - ¾  |
| B100     | <b>88239153</b> | Bolt-on Hub - 1  |
| B125     | <b>88239154</b> | Bolt-on Hub - 1¼ |
| B150     | <b>88239155</b> | Bolt-on Hub - 1½ |
| B200     | <b>88239156</b> | Bolt-on Hub - 2  |
| B250     | <b>88251100</b> | Bolt-on Hub - 2½ |
| B300     | <b>88251102</b> | Bolt-on Hub - 3  |
| B350     | <b>88239159</b> | Bolt-on Hub - 3½ |
| B400     | <b>88251109</b> | Bolt-on Hub - 4  |
| BCAP     | <b>88239151</b> | Closing Cap      |

### Watertight Hubs

Square D®

For use on NEMA 4, 4X and 5 Stainless Steel and NEMA 12 enclosures.

| Mfg. No.                 | Advanced ID     | Description         |
|--------------------------|-----------------|---------------------|
| <b>Standard Zinc Hub</b> |                 |                     |
| H050                     | <b>88240430</b> | Watertight Hub - ½  |
| H075                     | <b>88240432</b> | Watertight Hub - ¾  |
| H100                     | <b>88240434</b> | Watertight Hub - 1  |
| H125                     | <b>88240438</b> | Watertight Hub - 1¼ |
| H150                     | <b>88240440</b> | Watertight Hub - 1½ |
| H200                     | <b>88240442</b> | Watertight Hub - 2  |
| H250                     | <b>88240508</b> | Watertight Hub - 2½ |
| H300                     | <b>88240538</b> | Watertight Hub - 3  |
| H350                     | <b>88240605</b> | Watertight Hub - 3½ |
| H400                     | <b>88240680</b> | Watertight Hub - 4  |
| <b>Chrome Plated Hub</b> |                 |                     |
| H050CP                   | <b>88240431</b> | Watertight Hub - ½  |
| H075CP                   | <b>88240433</b> | Watertight Hub - ¾  |
| H100CP                   | <b>88240435</b> | Watertight Hub - 1  |
| H125CP                   | <b>88240439</b> | Watertight Hub - 1¼ |
| H150CP                   | <b>88240441</b> | Watertight Hub - 1½ |
| H200CP                   | <b>88240443</b> | Watertight Hub - 2  |
| H250CP                   | <b>88240509</b> | Watertight Hub - 2½ |
| H300CP                   | <b>88240539</b> | Watertight Hub - 3  |
| H350CP                   | <b>88240606</b> | Watertight Hub - 3½ |
| H400CP                   | <b>88240681</b> | Watertight Hub - 4  |

### Circuit-Lock™ Disconnect Switches

Hubbell Wiring Device-Kellems

The Circuit-Lock Disconnect switch meets NEC Article 430 requirements for a separate disconnection means within sight of all motor loads.



| Mfg. No.  | Advanced ID     | Description   |
|-----------|-----------------|---|
| HBLDS3    | <b>93150034</b> | AC Switches, Switched Enclosure, "Suitable as Motor Disconnect" 30A, Circuit-Lock, Non-Metallic Enclosure, Gray.                  |
| HBLDS3AC  | <b>94024356</b> | AC Switches, Switched Enclosure, "Suitable as Motor Disconnect" 30A, Circuit-Lock With Aux Contact, Non-Metallic Enclosure, Gray. |
| HBLDS6    | <b>94056758</b> | AC Switches, Switched Enclosure, "Suitable as Motor Disconnect" 60A, Circuit-Lock, Non-Metallic Enclosure, Gray.                  |
| HBLDS6AC  | <b>95005329</b> | Switched Enclosure, 60A Non-Fused with Aux Contact, Non-Metallic, Gray.   |
| HBLDS10   | <b>95005331</b> | Switched Enclosure, 100A Non-Fused, Non-Metallic, Gray.   |
| HBLDS10AC | <b>95005330</b> | Switched Enclosure, 100A Non-Fused with Aux Contact, Non-Metallic, Gray.  |

### AC Disconnect Switches

Milbank Manufacturing Co.



U3800  
with GFCI Receptacle



U3822-20GR  
60-Amp Non-Fused

| Mfg. No.   | Advanced ID     | Horsepower Rating | Amp Rating |
|------------|-----------------|-------------------|------------|
| U3800      | <b>91006703</b> | 10 hp Maximum     | 60         |
| U3822-20GR | <b>22052379</b> | 10 hp Maximum     | 60         |

### Electrical Power Fuses - Time Delay Fuses

Cooper Bussmann



FRN-R30   FRN-R100   KRP-C800SP   LPJ10SP   LPN-RK10SP   SC10

#### Benefits

- Allows Sizing Fuse Closer to Application for Better Protection
- Meets Most Application Requirements
- Variety to Meet Application Requirements

#### Features

- Dual Element, Time-Delay Construction
- 1-1200A, 250V AC and 600V AC Ratings
- Class J, RK1, RK5, G Fuses
- Class RK5 Interrupting Rating of 200kA
- Class J Interrupting Rating of 300kA
- Class RK1 Interrupting Rating of 300kA
- Class G Interrupting Rating of 100kA
- Class L Interrupting Rating of 300kA

| Mfg. No.  | Advanced ID | Voltage Rating   | Amp Rating                     | Dimensions (in.) |
|---|-------------|------------------|--------------------------------|------------------|
| <b>Bussmann Fusetron® Dual-Element Time Delay Class RK5 Fuses</b> |             |                  |                                |                  |
| FRN-R-1/2   | 88050647    | 250V AC, 125V DC | 1/2                            | 2L x 0.506Dia    |
| FRN-R1  | 88050639    | 250V AC/125V DC  | 1                              | 2L x 0.506Dia    |
| FRN-R2  | 88050660    | 250V AC/125V DC  | 2                              | 2L x 0.506Dia    |
| FRN-R2-1/2  | 88050661    | 250V AC/125V DC  | 2 <sup>1</sup> / <sub>2</sub>  | 2L x 0.506Dia    |
| FRN-R3  | 88050670    | 250V AC/125V DC  | 3                              | 2L x 0.506Dia    |
| FRN-R3-2/10   | 88050672    | 250V AC/125V DC  | 3 <sup>2</sup> / <sub>10</sub> | 2L x 0.506Dia    |
| FRN-R4  | 88050678    | 250V AC/125V DC  | 4                              | 2L x 0.506Dia    |
| FRN-R5  | 88050685    | 250V AC/125V DC  | 5                              | 2L x 0.506Dia    |
| FRN-R6  | 88050689    | 250V AC/125V DC  | 6                              | 2L x 0.506Dia    |
| FRN-R6-1/4  | 88050690    | 250V AC/125V DC  | 6 <sup>1</sup> / <sub>4</sub>  | 2L x 0.506Dia    |
| FRN-R7  | 88050694    | 250V AC/125V DC  | 7                              | 2L x 0.506Dia    |
| FRN-R8  | 88050698    | 250V AC/125V DC  | 8                              | 2L x 0.506Dia    |
| FRN-R10   | 88050650    | 250V AC/125V DC  | 10                             | 2L x 0.506Dia    |
| FRN-R-12  | 88050653    | 250V AC          | 12                             | 2L x 0.506Dia    |
| FRN-R15   | 88050655    | 250V AC/125V DC  | 15                             | 2L x 0.506Dia    |
| FRN-R20   | 88050665    | 250V AC/125V DC  | 20                             | 2L x 0.506Dia    |
| FRN-R25   | 88050668    | 250V AC/125V DC  | 25                             | 2L x 0.506Dia    |
| FRN-R30   | 88050674    | 250V AC/125V DC  | 30                             | 2L x 0.506Dia    |
| FRN-R35   | 88050676    | 250V AC/125V DC  | 35                             | 3L x 0.81Dia     |
| FRN-R45   | 88050683    | 250V AC/125V DC  | 45                             | 3L x 0.81Dia     |
| FRN-R50   | 88050687    | 250V AC/125V DC  | 50                             | 3L x 0.81Dia     |
| FRN-R60   | 88050692    | 250V AC/125V DC  | 60                             | 3L x 0.81Dia     |
| FRN-R70   | 88050696    | 250V AC/125V DC  | 70                             | 5.88L x 1.06Dia  |
| FRN-R80   | 88050700    | 250V AC/125V DC  | 80                             | 5.88L x 1.06Dia  |
| FRN-R90   | 88050702    | 250V AC/125V DC  | 90                             | 5.88L x 1.06Dia  |
| FRN-R100  | 88050651    | 250V AC/125V DC  | 100                            | 5.88L x 1.06Dia  |
| FRN-R-110   | 88050652    | 250V AC, 125V DC | 110                            | 5.88L x 1.06Dia  |
| FRN-R125  | 88050654    | 250V AC/125V DC  | 125                            | 7.13L x 1.506Dia |
| FRN-R150  | 88050657    | 250V AC/125V DC  | 150                            | 7.13L x 1.506Dia |
| FRN-R175  | 88050659    | 250V AC/125V DC  | 175                            | 7.13L x 1.506Dia |
| FRN-R200  | 88050666    | 250V AC/125V DC  | 200                            | 7.13L x 1.506Dia |

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| Mfg. No.  | Advanced ID | Voltage Rating   | Amp Rating                     | Dimensions (in.)  |
|---|-------------|------------------|--------------------------------|-------------------|
| <b>Bussmann Fusetron® Dual-Element Time Delay Class RK5 Fuses</b> |             |                  |                                |                   |
| FRN-R225  | 88050667    | 250V AC/125V DC  | 225                            | 8.63L x 2.06Dia   |
| FRN-R250  | 88050669    | 250V AC/125V DC  | 250                            | 8.63L x 2.06Dia   |
| FRN-R300  | 88050675    | 250V AC/125V DC  | 300                            | 8.63L x 2.06Dia   |
| FRN-R400  | 88050682    | 250V AC/125V DC  | 400                            | 8.63L x 2.06Dia   |
| FRN-R600  | 88050693    | 250V AC/125V DC  | 600                            | 10.38L x 2.509Dia |
| FRS-R1  | 88050703    | 600V AC/300V DC  | 1                              | 5L x 0.81Dia      |
| FRS-R2  | 88050724    | 600V AC/300V DC  | 2                              | 5L x 0.81Dia      |
| FRS-R2-1/4  | 88050726    | 600V AC/300V DC  | 2 <sup>1</sup> / <sub>4</sub>  | 5L x 0.81Dia      |
| FRS-R2-1/2  | 88050725    | 600V AC/300V DC  | 2 <sup>1</sup> / <sub>2</sub>  | 5L x 0.81Dia      |
| FRS-R2-8/10   | 88050727    | 600V AC/300V DC  | 2 <sup>8</sup> / <sub>10</sub> | 5L x 0.81Dia      |
| FRS-R3  | 88050734    | 600V AC/300V DC  | 3                              | 5L x 0.81Dia      |
| FRS-R3-2/10   | 88050736    | 600V AC/300V DC  | 3 <sup>2</sup> / <sub>10</sub> | 5L x 0.81Dia      |
| FRS-R3-1/2  | 88050735    | 600V AC/300V DC  | 3 <sup>1</sup> / <sub>2</sub>  | 5L x 0.81Dia      |
| FRS-R4  | 88050742    | 600V AC/300V DC  | 4                              | 5L x 0.81Dia      |
| FRS-R5  | 88050749    | 600V AC/300V DC  | 5                              | 5L x 0.81Dia      |
| FRS-R5-6/10   | 88050750    | 600V AC/300V DC  | 5 <sup>6</sup> / <sub>10</sub> | 5L x 0.81Dia      |
| FRS-R6  | 88050753    | 600V AC/300V DC  | 6                              | 5L x 0.81Dia      |
| FRS-R6-1/4  | 88050754    | 600V AC/300V DC  | 6 <sup>1</sup> / <sub>4</sub>  | 5L x 0.81Dia      |
| FRS-R7  | 88050759    | 600V AC/300V DC  | 7                              | 5L x 0.81Dia      |
| FRS-R8  | 88050763    | 600V AC/300V DC  | 8                              | 5L x 0.81Dia      |
| FRS-R9  | 88050766    | 600V AC/300V DC  | 9                              | 5L x 0.81Dia      |
| FRS-R10   | 88050714    | 600V AC/300V DC  | 10                             | 5L x 0.81Dia      |
| FRS-R-12  | 88050717    | 600V AC, 300V DC | 12                             | 5L x 0.81Dia      |
| FRS-R15   | 88050719    | 600V AC/300V DC  | 15                             | 5L x 0.81Dia      |
| FRS-R17-1/2   | 88050722    | 600V AC/300V DC  | 17 <sup>1</sup> / <sub>2</sub> | 5L x 0.81Dia      |
| FRS-R20   | 88050729    | 600V AC/300V DC  | 20                             | 5L x 0.81Dia      |
| FRS-R25   | 88050732    | 600V AC/300V DC  | 25                             | 5L x 0.81Dia      |
| FRS-R30   | 88050738    | 600V AC/300V DC  | 30                             | 5L x 0.81Dia      |
| FRS-R35   | 88050740    | 600V AC/300V DC  | 35                             | 5.5L x 1.06Dia    |
| FRS-R40   | 88050745    | 600V AC/300V DC  | 40                             | 5.5L x 1.06Dia    |
| FRS-R45   | 88050747    | 600V AC/300V DC  | 45                             | 5.5L x 1.06Dia    |
| FRS-R50   | 88050751    | 600V AC/300V DC  | 50                             | 5.5L x 1.06Dia    |
| FRS-R60   | 88050756    | 600V AC/300V DC  | 60                             | 5.5L x 1.06Dia    |
| FRS-R70   | 88050761    | 600V AC/300V DC  | 70                             | 7.88L x 1.34Dia   |
| FRS-R80   | 88050765    | 600V AC/300V DC  | 80                             | 7.88L x 1.34Dia   |
| FRS-R90   | 88050767    | 600V AC/300V DC  | 90                             | 7.88L x 1.34Dia   |
| FRS-R100  | 88050715    | 600V AC/300V DC  | 100                            | 7.88L x 1.34Dia   |
| FRS-R-110   | 88050716    | 600V AC          | 110                            | 9.63L x 1.61Dia   |
| FRS-R125  | 88050718    | 600V AC/300V DC  | 125                            | 9.63L x 1.84Dia   |
| FRS-R150  | 88050721    | 600V AC/300V DC  | 150                            | 9.63L x 1.84Dia   |
| FRS-R175  | 88050723    | 600V AC/300V DC  | 175                            | 9.63L x 1.84Dia   |
| FRS-R200  | 88050730    | 600V AC/300V DC  | 200                            | 9.63L x 1.84Dia   |
| FRS-R225  | 88050731    | 600V AC/300V DC  | 225                            | 11.63L x 2.509Dia |
| FRS-R250  | 88050733    | 600V AC/300V DC  | 250                            | 11.63L x 2.509Dia |
| FRS-R300  | 88050739    | 600V AC/300V DC  | 300                            | 11.63L x 2.509Dia |
| FRS-R350  | 88050741    | 600V AC/300V DC  | 350                            | 11.63L x 2.509Dia |
| FRS-R400  | 88050746    | 600V AC/300V DC  | 400                            | 11.63L x 2.509Dia |
| FRS-R500  | 88050752    | 600V AC/300V DC  | 500                            | 13.38L x 3.13Dia  |
| FRS-R600  | 88050757    | 600V AC/300V DC  | 600                            | 13.38L x 3.13Dia  |
| <b>Bussmann Low Peak Time Delay Class L Fuses</b>                 |             |                  |                                |                   |
| KRP-C800SP  | 88052080    | 600V AC/300V DC  | 800                            | 8.63L x 2.5Dia    |
| KRP-C1200SP   | 88052062    | 600V AC/300V DC  | 1200                           | 10.75L x 2.5Dia   |
| <b>Bussmann Low Peak Dual-Element Time Delay Class J Fuses</b>    |             |                  |                                |                   |
| LPJ2SP  | 91009286    | 600V AC          | 2                              | 2.25L x 0.81Dia   |
| LPJ3SP  | 90087769    | 600V AC          | 3                              | 2.25L x 0.81Dia   |
| LPJ4SP  | 91009287    | 600V AC          | 4                              | 2.25L x 0.81Dia   |
| LPJ5SP  | 91009288    | 600V AC          | 5                              | 2.25L x 0.81Dia   |

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**Electrical Power Fuses - Time Delay Fuses**

Cooper Bussmann

| Mfg. No.   | Advanced ID | Voltage Rating | Amp Rating        | Dimensions (in.) |
|--|-------------|----------------|-------------------|------------------|
| <b>Bussmann Low Peak Dual-Element Time Delay Class J Fuses</b>                 |             |                |                   |                  |
| LPJ6SP   | 90087770    | 600V AC        | 6                 | 2.25L x 0.81Dia  |
| LPJ8SP   | 91002386    | 600V AC        | 8                 | 2.25L x 0.81Dia  |
| LPJ10SP  | 90087772    | 600V AC        | 10                | 2.25L x 0.81Dia  |
| LPJ12SP  | 91009297    | 600V AC        | 12                | 2.25L x 0.81Dia  |
| LPJ15SP  | 90087773    | 600V AC        | 15                | 2.25L x 0.81Dia  |
| LPJ17-1/2SP  | 90087776    | 600V AC        | 17 <sup>1/2</sup> | 2.25L x 0.81Dia  |
| LPJ20SP  | 90087775    | 600V AC        | 20                | 2.25L x 0.81Dia  |
| LPJ25SP  | 90087777    | 600V AC        | 25                | 2.25L x 0.81Dia  |
| LPJ30SP  | 90087778    | 600V AC        | 30                | 2.25L x 0.81Dia  |
| LPJ35SP  | 91002388    | 600V AC        | 35                | 2.38L x 1.06Dia  |
| LPJ40SP  | 90096182    | 600V AC        | 40                | 2.38L x 1.06Dia  |
| LPJ45SP  | 91002389    | 600V AC        | 45                | 2.38L x 1.06Dia  |
| LPJ50SP  | 90095684    | 600V AC        | 50                | 2.38L x 1.06Dia  |
| LPJ60SP  | 91002390    | 600V AC        | 60                | 2.38L x 1.06Dia  |
| LPJ70SP  | 91009281    | 600V AC        | 70                | 4.63L x 1.13Dia  |
| LPJ80SP  | 91009282    | 600V AC        | 80                | 4.63L x 1.13Dia  |
| LPJ90SP  | 91009283    | 600V AC        | 90                | 4.63L x 1.13Dia  |
| LPJ125SP   | 91008364    | 600V AC        | 125               | 5.75L x 1.63Dia  |
| LPJ150SP   | 91009279    | 600V AC        | 150               | 5.75L x 1.63Dia  |
| LPJ175SP   | 91009280    | 600V AC        | 175               | 5.75L x 1.63Dia  |
| LPJ200SP   | 91007076    | 600V AC        | 200               | 5.75L x 1.63Dia  |
| LPJ250SP   | 91007077    | 600V AC        | 250               | 7.13L x 2Dia     |
| LPJ300SP   | 91009284    | 600V AC        | 300               | 7.13L x 2Dia     |
| LPJ400SP   | 91001724    | 600V AC        | 400               | 7.13L x 2Dia     |
| LPJ600SP   | 91009292    | 600V AC        | 600               | 8L x 2.5Dia      |
| <b>Bussmann Low Peak Dual-Element Time Delay Class J Fuses with Indication</b> |             |                |                   |                  |
| LPJ-6SPI   | 25047248    | 600V AC        | 6                 | 2.25L x 0.81Dia  |
| LPJ-7SPI   | 25047253    | 600V AC        | 7                 | 2.25L x 0.81Dia  |
| LPJ-8SPI   | 25047245    | 600V AC        | 8                 | 2.25L x 0.81Dia  |
| LPJ-9SPI   | 25047254    | 600V AC        | 9                 | 2.25L x 0.81Dia  |
| LPJ-10SPI  | 25047246    | 600V AC        | 10                | 2.25L x 0.81Dia  |
| LPJ-12SPI  | 25047244    | 600V AC        | 12                | 2.25L x 0.81Dia  |
| LPJ-15SPI  | 22121096    | 600V AC        | 15                | 2.25L x 0.81Dia  |
| LPJ-17-1/2SPI  | 25047247    | 600V AC        | 17 <sup>1/2</sup> | 2.25L x 0.81Dia  |
| LPJ-20SPI  | 22121097    | 600V AC        | 20                | 2.25L x 0.81Dia  |
| LPJ-25SPI  | 25047250    | 600V AC        | 25                | 2.25L x 0.81Dia  |
| LPJ-30SPI  | 22121098    | 600V AC        | 30                | 2.25L x 0.81Dia  |
| LPJ-35SPI  | 25047282    | 600V AC        | 35                | 2.38L x 1.06Dia  |
| LPJ-40SPI  | 22121099    | 600V AC        | 40                | 2.38L x 1.06Dia  |
| LPJ-45SPI  | 25047251    | 600V AC        | 45                | 2.38L x 1.06Dia  |
| LPJ-50SPI  | 22121100    | 600V AC        | 50                | 2.38L x 1.06Dia  |
| LPJ-60SPI  | 22121102    | 600V AC        | 60                | 2.38L x 1.06Dia  |
| LPJ-70SPI  | 25047256    | 600V AC        | 70                | 4.63L x 1.13Dia  |
| LPJ-80SPI  | 25047252    | 600V AC        | 80                | 4.63L x 1.13Dia  |
| LPJ-90SPI  | 25047255    | 600V AC        | 90                | 4.63L x 1.13Dia  |
| LPJ-110SPI   | 25047258    | 600V AC        | 110               | 5.75L x 1.63Dia  |
| LPJ-125SPI   | 25029895    | 600V AC        | 125               | 5.75L x 1.63Dia  |
| LPJ-150SPI   | 25047281    | 600V AC        | 150               | 5.75L x 1.63Dia  |
| LPJ-175SPI   | 25047259    | 600V AC        | 175               | 5.75L x 1.63Dia  |
| LPJ-200SPI   | 25047249    | 600V AC        | 200               | 5.75L x 1.63Dia  |
| LPJ-225SPI   | 22121105    | 600V AC        | 225               | 7.13L x 2Dia     |
| LPJ-250SPI   | 22121106    | 600V AC        | 250               | 7.13L x 2Dia     |
| LPJ-300SPI   | 22121107    | 600V AC        | 300               | 7.13L x 2Dia     |
| LPJ-350SPI   | 22121108    | 600V AC        | 350               | 7.13L x 2Dia     |
| LPJ-400SPI   | 25047257    | 600V AC        | 400               | 7.13L x 2Dia     |
| LPJ-450SPI   | 22121109    | 600V AC        | 450               | 7.13L x 2Dia     |

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| Mfg. No.   | Advanced ID | Voltage Rating  | Amp Rating       | Dimensions (in.) |
|--|-------------|-----------------|------------------|------------------|
| <b>Bussmann Low Peak Dual-Element Time Delay Class J Fuses with Indication</b>   |             |                 |                  |                  |
| LPJ-500SPI   | 25047260    | 600V AC         | 500              | 8L x 2.5Dia      |
| LPJ-600SPI   | 22121110    | 600V AC         | 600              | 8L x 2.5Dia      |
| LPJ-100SPI   | 25047388    | 600V AC         |                  | 5.75L x 1.63Dia  |
| <b>Bussmann Low Peak Dual-Element Time Delay Class RK1 Fuses</b>                 |             |                 |                  |                  |
| LPN-RK10SP   | 88052405    | 250V AC/125V DC | 10               | 2L x 0.506Dia    |
| LPN-RK15SP   | 88052410    | 250V AC/125V DC | 15               | 2L x 0.506Dia    |
| LPN-RK20SP   | 88052419    | 250V AC/125V DC | 20               | 2L x 0.506Dia    |
| LPN-RK25SP   | 88052422    | 250V AC/125V DC | 25               | 2L x 0.506Dia    |
| LPN-RK30SP   | 88052428    | 250V AC/125V DC | 30               | 2L x 0.506Dia    |
| LPN-RK35SP   | 88052430    | 250V AC/125V DC | 35               | 3L x 0.81Dia     |
| LPN-RK40SP   | 88052435    | 250V AC/125V DC | 40               | 3L x 0.81Dia     |
| LPN-RK60SP   | 88052446    | 250V AC/125V DC | 60               | 3L x 0.81Dia     |
| LPN-RK100SP  | 88052406    | 250V AC/125V DC | 100              | 5.88L x 1.16Dia  |
| LPN-RK200SP  | 88052420    | 250V AC/125V DC | 200              | 7.13L x 1.66Dia  |
| LPN-RK400SP  | 88052436    | 250V AC/125V DC | 400              | 8.63L x 2.38Dia  |
| LPS-RK45P  | 88052492    | 600V AC/300V DC | 4                | 5L x 0.81Dia     |
| LPS-RK55P  | 88052499    | 600V AC/300V DC | 5                | 5L x 0.81Dia     |
| LPS-RK10SP   | 88052464    | 600V AC/300V DC | 10               | 5L x 0.81Dia     |
| LPS-RK15SP   | 88052469    | 600V AC/300V DC | 15               | 5L x 0.81Dia     |
| LPS-RK20SP   | 88052479    | 600V AC/300V DC | 20               | 5L x 0.81Dia     |
| LPS-RK25SP   | 88052482    | 600V AC/300V DC | 25               | 5L x 0.81Dia     |
| LPS-RK30SP   | 88052488    | 600V AC/300V DC | 30               | 5L x 0.81Dia     |
| LPS-RK35SP   | 88052490    | 600V AC/300V DC | 35               | 5.5L x 1.06Dia   |
| LPS-RK40SP   | 88052495    | 600V AC/300V DC | 40               | 5.5L x 1.06Dia   |
| LPS-RK50SP   | 88052501    | 600V AC/300V DC | 50               | 5.5L x 1.06Dia   |
| LPS-RK60SP   | 88052506    | 600V AC/300V DC | 60               | 5.5L x 1.06Dia   |
| LPS-RK70SP   | 88052509    | 600V AC/300V DC | 70               | 7.88L x 1.16Dia  |
| LPS-RK80SP   | 88052512    | 600V AC/300V DC | 80               | 7.88L x 1.16Dia  |
| LPS-RK90SP   | 88052514    | 600V AC/300V DC | 90               | 7.88L x 1.16Dia  |
| LPS-RK100SP  | 88052465    | 600V AC/300V DC | 100              | 7.88L x 1.16Dia  |
| LPS-RK125SP  | 88052468    | 600V AC/300V DC | 125              | 9.63L x 1.66Dia  |
| LPS-RK150SP  | 88052471    | 600V AC/300V DC | 150              | 9.63L x 1.66Dia  |
| LPS-RK200SP  | 88052480    | 600V AC/300V DC | 200              | 9.63L x 1.66Dia  |
| LPS-RK400SP  | 88052496    | 600V AC/300V DC | 400              | 11.63L x 2.38Dia |
| LPS-RK600SP  | 88052507    | 600V AC/300V DC | 600              | 13.38L x 2.88Dia |
| <b>Bussmann Low Peak Dual-Element Time Delay Class RK1 Fuses with Indication</b> |             |                 |                  |                  |
| LPN-RK-70SPI   | 25047269    | 250V AC/125V DC | 70               | 3L x 0.81Dia     |
| LPN-RK-80SPI   | 25047275    | 250V AC/125V DC | 80               | 3L x 0.81Dia     |
| LPN-RK-90SPI   | 25047276    | 250V AC/125V DC | 80               | 3L x 0.81Dia     |
| LPN-RK-100SPI  | 25047274    | 250V AC/125V DC | 100              | 5.88L x 1.16Dia  |
| LPN-RK-110SPI  | 25047261    | 250V AC/125V DC | 110              | 5.88L x 1.16Dia  |
| LPN-RK-125SPI  | 25047277    | 250V AC/125V DC | 125              | 5.88L x 1.16Dia  |
| LPN-RK-150SPI  | 25047278    | 250V AC/125V DC | 150              | 5.88L x 1.16Dia  |
| LPN-RK-175SPI  | 25047279    | 250V AC/125V DC | 175              | 5.88L x 1.16Dia  |
| LPN-RK-200SPI  | 25042262    | 250V AC/125V DC | 200              | 7.13L x 1.66Dia  |
| LPN-RK-225SPI  | 25047262    | 250V AC/125V DC | 225              | 7.13L x 1.66Dia  |
| LPN-RK-250SPI  | 25047263    | 250V AC/125V DC | 250              | 7.13L x 1.66Dia  |
| LPN-RK-300SPI  | 25047264    | 250V AC/125V DC | 300              | 7.13L x 1.66Dia  |
| LPN-RK-350SPI  | 25047265    | 250V AC/125V DC | 350              | 7.13L x 1.66Dia  |
| LPN-RK-400SPI  | 25047273    | 250V AC/125V DC | 400              | 8.63L x 2.38Dia  |
| LPN-RK-450SPI  | 25047266    | 250V AC/125V DC | 450              | 8.63L x 2.38Dia  |
| LPN-RK-500SPI  | 25047268    | 250V AC/125V DC | 500              | 8.63L x 2.38Dia  |
| LPN-RK-600SPI  | 25047280    | 250V AC/125V DC | 600              | 8.63L x 2.38Dia  |
| LPS-RK-6SPI  | 25027638    | 600V AC/300V DC | 6                | 5L x 0.81Dia     |
| LPS-RK-6-1/4SPI  | 25029896    | 600V AC/300V DC | 6 <sup>1/4</sup> | 5L x 0.81Dia     |

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### Electrical Power Fuses - Time Delay Fuses

Cooper Bussmann

| Mfg. No.   | Advanced ID              | Voltage Rating  | Amp Rating                     | Dimensions (in.) |
|--|--------------------------|-----------------|--------------------------------|------------------|
| <b>Bussmann Low Peak Dual-Element Time Delay Class RK1 Fuses with Indication</b> |                          |                 |                                |                  |
| LPS-RK-7SPI  | <a href="#">25027637</a> | 600V AC/300V DC | 7                              | 5L x 0.81Dia     |
| LPS-RK-8SPI  | <a href="#">25029898</a> | 600V AC/300V DC | 8                              | 5L x 0.81Dia     |
| LPS-RK-9SPI  | <a href="#">25029899</a> | 600V AC/300V DC | 9                              | 5L x 0.81Dia     |
| LPS-RK-10SPI   | <a href="#">22124704</a> | 600V AC/300V DC | 10                             | 5L x 0.81Dia     |
| LPS-RK-15SPI   | <a href="#">25027636</a> | 600V AC/300V DC | 15                             | 5L x 0.81Dia     |
| LPS-RK17-1/2SPI  | <a href="#">25047270</a> | 600V AC/300V DC | 17 <sup>1</sup> / <sub>2</sub> | 5L x 0.81Dia     |
| LPS-RK-20SPI   | <a href="#">22124705</a> | 600V AC/300V DC | 20                             | 5L x 0.81Dia     |
| LPS-RK-25SPI   | <a href="#">25027635</a> | 600V AC/300V DC | 25                             | 5L x 0.81Dia     |
| LPS-RK-30SPI   | <a href="#">22124706</a> | 600V AC/300V DC | 30                             | 5L x 0.81Dia     |
| LPS-RK-35SPI   | <a href="#">25026809</a> | 600V AC/300V DC | 35                             | 5.5L x 1.06Dia   |
| LPS-RK-40SPI   | <a href="#">22124707</a> | 600V AC/300V DC | 40                             | 5.5L x 1.06Dia   |
| LPS-RK-45SPI   | <a href="#">25026808</a> | 600V AC/300V DC | 45                             | 5.5L x 1.06Dia   |
| LPS-RK-50SPI   | <a href="#">22124708</a> | 600V AC/300V DC | 50                             | 5.5L x 1.06Dia   |
| LPS-RK-60SPI   | <a href="#">22124709</a> | 600V AC/300V DC | 60                             | 5.5L x 1.06Dia   |
| LPS-RK-70SPI   | <a href="#">22124710</a> | 600V AC/300V DC | 70                             | 7.88L x 1.16Dia  |
| LPS-RK-80SPI   | <a href="#">22124711</a> | 600V AC/300V DC | 80                             | 7.88L x 1.16Dia  |
| LPS-RK-90SPI   | <a href="#">22124712</a> | 600V AC/300V DC | 90                             | 7.88L x 1.16Dia  |
| LPS-RK-100SPI  | <a href="#">22124713</a> | 600V AC/300V DC | 100                            | 7.88L x 1.16Dia  |
| LPS-RK-110SPI  | <a href="#">25026806</a> | 600V AC/300V DC | 125                            | 7.88L x 1.16Dia  |
| LPS-RK-125SPI  | <a href="#">25026807</a> | 600V AC/300V DC | 125                            | 7.88L x 1.16Dia  |
| LPS-RK-12SPI   | <a href="#">25029900</a> | 600V AC/300V DC | 125                            | 7.88L x 1.16Dia  |
| LPS-RK-150SPI  | <a href="#">22124714</a> | 600V AC/300V DC | 150                            | 9.63L x 1.66Dia  |
| LPS-RK175SP  | <a href="#">88052473</a> | 600V AC/300V DC | 175                            | 9.63L x 1.66Dia  |
| LPS-RK-175SPI  | <a href="#">22124715</a> | 600V AC/300V DC | 175                            | 9.63L x 1.66Dia  |
| LPS-RK-200SPI  | <a href="#">22124716</a> | 600V AC/300V DC | 200                            | 9.63L x 1.66Dia  |
| LPS-RK-225SPI  | <a href="#">25026805</a> | 600V AC/300V DC | 225                            | 9.63L x 1.66Dia  |
| LPS-RK-250SPI  | <a href="#">22124717</a> | 600V AC/300V DC | 250                            | 9.63L x 1.66Dia  |
| LPS-RK-300SPI  | <a href="#">22124718</a> | 600V AC/300V DC | 300                            | 9.63L x 1.66Dia  |
| LPS-RK-350SPI  | <a href="#">22124719</a> | 600V AC/300V DC | 350                            | 9.63L x 1.66Dia  |
| LPS-RK-400SPI  | <a href="#">22124720</a> | 600V AC/300V DC | 400                            | 11.63L x 2.38Dia |
| LPS-RK-450SPI  | <a href="#">25047271</a> | 600V AC/300V DC | 450                            | 11.63L x 2.38Dia |
| LPS-RK-500SPI  | <a href="#">22124721</a> | 600V AC/300V DC | 500                            | 11.63L x 2.38Dia |
| LPS-RK-600SPI  | <a href="#">22124722</a> | 600V AC/300V DC | 600                            | 11.63L x 2.38Dia |

#### Bussmann Time Delay Class G Fuses

|      |                          |                 |    |                  |
|------|--------------------------|-----------------|----|------------------|
| SC3  | <a href="#">88053138</a> | 600V AC/170V DC | 3  | 1.319L x 0.41Dia |
| SC5  | <a href="#">88053144</a> | 600V AC/170V DC | 5  | 1.319L x 0.41Dia |
| SC6  | <a href="#">88053146</a> | 600V AC/170V DC | 6  | 1.319L x 0.41Dia |
| SC10 | <a href="#">88053133</a> | 600V AC/170V DC | 10 | 1.319L x 0.41Dia |
| SC15 | <a href="#">88053134</a> | 600V AC/170V DC | 15 | 1.319L x 0.41Dia |
| SC20 | <a href="#">88053136</a> | 600V AC/170V DC | 20 | 1.419L x 0.41Dia |
| SC30 | <a href="#">88053139</a> | 480V AC/300V DC | 30 | 1.639L x 0.41Dia |
| SC35 | <a href="#">88053140</a> | 480V AC/300V DC | 35 | 2.259L x 0.41Dia |
| SC50 | <a href="#">88053145</a> | 480V AC/300V DC | 50 | 2.259L x 0.41Dia |
| SC60 | <a href="#">88053147</a> | 480V AC/300V DC | 60 | 2.259L x 0.41Dia |

### Electrical Power Fuses - One-Time General Purpose

Cooper Bussmann



#### Benefits

- Fit Many Common Applications
- Meet Many Application Requirements

#### Features

- 250V AC and 600V AC Class H and K5 Fuses
- 1-200A Ratings

| Mfg. No. | Advanced ID              | Voltage Rating | Interrupting Rating         | Amp Rating |
|----------|--------------------------|----------------|-----------------------------|------------|
| NON-1    | <a href="#">88052827</a> | 250V AC        | 50000A V AC RMS Symmetrical | 1          |
| NON-3    | <a href="#">88052847</a> | 250V AC        | 50000A V AC RMS Symmetrical | 3          |
| NON-5    | <a href="#">88052858</a> | 250V AC        | 50000A V AC RMS Symmetrical | 5          |
| NON-6    | <a href="#">88052861</a> | 250V AC        | 50000A V AC RMS Symmetrical | 6          |
| NON-10   | <a href="#">88052831</a> | 250V AC        | 50000A V AC RMS Symmetrical | 10         |
| NON-15   | <a href="#">88052836</a> | 250V AC        | 50000A V AC RMS Symmetrical | 15         |
| NON-20   | <a href="#">88052841</a> | 250V AC        | 50000A V AC RMS Symmetrical | 20         |
| NON-40   | <a href="#">88052854</a> | 250V AC        | 50000A V AC RMS Symmetrical | 40         |
| NON-70   | <a href="#">88052865</a> | 250V AC        | 10000A V AC RMS Symmetrical | 70         |
| NON-100  | <a href="#">88052832</a> | 250V AC        | 10000A V AC RMS Symmetrical | 100        |
| NON-110  | <a href="#">88052833</a> | 250V AC        | 10000A V AC RMS Symmetrical | 110        |
| NON-200  | <a href="#">88052842</a> | 250V AC        | 10000A V AC RMS Symmetrical | 200        |
| NOS6     | <a href="#">88052897</a> | 600V AC        | 50000A V AC RMS Symmetrical | 6          |
| NOS10    | <a href="#">88052870</a> | 600V AC        | 50000A V AC RMS Symmetrical | 10         |
| NOS15    | <a href="#">88052875</a> | 600V AC        | 50000A V AC RMS Symmetrical | 15         |
| NOS20    | <a href="#">88052879</a> | 600V AC        | 50000A V AC RMS Symmetrical | 20         |
| NOS25    | <a href="#">88052882</a> | 600V AC        | 50000A V AC RMS Symmetrical | 25         |
| NOS30    | <a href="#">88052885</a> | 600V AC        | 50000A V AC RMS Symmetrical | 30         |
| NOS35    | <a href="#">88052887</a> | 600V AC        | 50000A V AC RMS Symmetrical | 35         |
| NOS40    | <a href="#">88052890</a> | 600V AC        | 50000A V AC RMS Symmetrical | 40         |
| NOS60    | <a href="#">88052898</a> | 600V AC        | 50000A V AC RMS Symmetrical | 60         |

## High Speed Fuses

Cooper Bussmann

### Benefits

- Fit Many Common Applications
- Excellent Protection for Sensitive Equipment Like DC Common Buses and Drives, Power Converters/Rectifiers and Reduced Voltage Starters
- Durable Protection
- Minimum Heat Generation

### Features

- North American and Ferrule Styles
- Low Energy Let-Thru (I2t)
- Superior Cycling
- Low Watts Loss
- Interrupting Rating of 200kA RMS Symmetrical



## Electrical Power Fuses - Fast Acting Fuses

Cooper Bussmann



JJN400



JJS30



JKS15

### Benefits

- Minimize any Potential Damage to Equipment or Circuits
- Fits Many Popular Applications
- Meets Application Requirements

### Features

- Fast Acting
- Class T and J
- 250V, 300V and 600V Ratings
- Interrupting Rating of 200kA RMS Symmetrical

| Mfg. No.                                       | Advanced ID | Voltage Rating | Amp Rating |
|--|-------------|----------------|------------|
| <b>North American - Style High Speed Fuses</b> |             |                |            |
| FWH-150B                                       | 95004299    | 500V AC/V DC   | 150        |
| FWH-250A                                       | 89089698    | 500V AC/V DC   | 250        |
| FWH-300A                                       | 89089699    | 500V AC/V DC   | 300        |
| FWH-350A                                       | 89089700    | 500V AC/V DC   | 350        |
| FWH-400A                                       | 89089701    | 500V AC/V DC   | 400        |
| FWH-600A                                       | 89089688    | 500V AC/V DC   | 600        |
| FWC-20A10F                                     | 95004247    | 600V AC        | 20         |
| FWP-100B                                       | 95004283    | 700V AC/V DC   | 100        |
| <b>Ferrule - Style High Speed Fuses</b>        |             |                |            |
| FWP-25A14F                                     | 95004290    | 700V AC/V DC   | 25         |
| FWP-30A14F                                     | 95004291    | 700V AC/V DC   | 30         |
| FWP-50A14F                                     | 95004349    | 700V AC/V DC   | 50         |

| Mfg. No.                       | Advanced ID | Voltage Rating | Dimensions           | Amp Rating |
|--------------------------------|-------------|----------------|----------------------|------------|
| <b>T-Tron® Class T Fuses</b>   |             |                |                      |            |
| JJN100                         | 88051663    | 300V AC        | 20.16L x 0.75Dia in. | 100        |
| JJN110                         | 88051665    | 300V AC        | 20.44L x 0.88Dia in. | 110        |
| JJN125                         | 88051667    | 300V AC        | 20.44L x 0.88Dia in. | 125        |
| JJN150                         | 88051669    | 300V AC        | 20.44L x 0.88Dia in. | 150        |
| JJN200                         | 88051672    | 300V AC        | 20.44L x 0.88Dia in. | 200        |
| JJN400                         | 88051682    | 300V AC        | 2.75I X 2.75IDia in. | 400        |
| JJN600                         | 88051689    | 300V AC        | 3.06L x 1.25Dia in.  | 600        |
| JJN800                         | 88051693    | 300V AC        | 3.38L x 1.75Dia in.  | 800        |
| JJS15                          | 88051701    | 600V AC        | 10.50L x 0.56Dia in. | 15         |
| JJS20                          | 88051705    | 600V AC        | 10.50L x 0.56Dia in. | 20         |
| JJS25                          | 88051708    | 600V AC        | 10.50L x 0.56Dia in. | 25         |
| JJS30                          | 88051711    | 600V AC        | 10.50L x 0.56Dia in. | 30         |
| JJS35                          | 88051713    | 600V AC        | 10.56L x 0.81Dia in. | 35         |
| JJS40                          | 88051715    | 600V AC        | 10.56L x 0.81Dia in. | 40         |
| JJS50                          | 88051719    | 600V AC        | 1.56L x 0.81Dia in.  | 50         |
| JJS60                          | 88051722    | 600V AC        | 1.56L x 0.81Dia in.  | 60         |
| JJS70                          | 88051724    | 600V AC        | 2.95L x 0.75Dia in.  | 70         |
| JJS100                         | 88051697    | 600V AC        | 20.95L x 0.75Dia in. | 100        |
| JJS110                         | 88051699    | 600V AC        | 30.25L x 0.88Dia in. | 110        |
| JJS200                         | 88051706    | 600V AC        | 30.25L x 0.88Dia in. | 200        |
| <b>Limitron® Class J Fuses</b> |             |                |                      |            |
| JKS15                          | 88051734    | 600V AC        | 20.25L x 0.81Dia in. | 15         |
| JKS20                          | 88051737    | 600V AC        | 2.25L x 0.81Dia in.  | 20         |
| JKS30                          | 88051743    | 600V AC        | 20.25L x 0.81Dia in. | 30         |
| JKS35                          | 88051745    | 600V AC        | 2.38L x 1.06Dia in.  | 35         |
| JKS40                          | 88051748    | 600V AC        | 2.38L x 1.06Dia in.  | 40         |
| JKS45                          | 88051750    | 600V AC        | 2.38L x 1.06Dia in.  | 45         |
| JKS50                          | 88051753    | 600V AC        | 2.38L x 1.06Dia in.  | 50         |
| JKS60                          | 88051756    | 600V AC        | 2.38L x 1.06Dia in.  | 60         |
| JKS100                         | 88051730    | 600V AC        | 4.63L x 1.13Dia in.  | 100        |
| JKS200                         | 88051738    | 600V AC        | 5.75L x 1.63Dia in.  | 200        |

Advanced is ISO  
9001:2000 Registered,  
ensuring consistent  
quality service.



### Electrical Power Fuses - Time-Delay and Supplementary Fuses

Cooper Bussmann



FNQ-R1



KTK



LP-CC30

#### Benefits

- Wide Ratings Permit Meeting Application Needs
- For Branch Circuit Protection
- Deliver the Right Amount of Protection for the Application
- Fits Common Fuse Holders

#### Features

- 125V AC, 250V AC, 500V AC/600V DC, 600V AC and 600V AC/300V DC Ratings
- Class CC Rejection Fuses
- Fast Acting and Time-Delay Fuses
- $1\frac{3}{32} \times 1\frac{3}{8}$  and  $1\frac{3}{32} \times 1\frac{1}{2}$  Sizes

| Mfg. No.                                      | Advanced ID | Voltage Rating | Interrupting Rating | Amp Rating |
|---|-------------|----------------|---------------------|------------|
| <b>BAF &amp; BBS Fast Acting Midget Fuses</b> |             |                |                     |            |
| BAF-1   | 88050068    | 250V AC        | 35A V AC            | 1          |
| BAF-5   | 88050081    | 250V AC        | 200A V AC           | 5          |
| BAF-6   | 88050082    | 250V AC        | 200A V AC           | 6          |
| BAF-10  | 88050071    | 250V AC        | 750A V AC           | 10         |
| BAF-15  | 88050073    | 250V AC        | 750A V AC           | 15         |
| BAF-20  | 88050076    | 125V AC        | 10000A V AC         | 20         |
| BAF-30  | 88050079    | 125V AC        | 10000A V AC         | 30         |
| BBS-1   | 88050100    | 600V AC        | 10000A V AC         | 1          |
| BBS-2   | 88050107    | 600V AC        | 10000A V AC         | 2          |
| BBS-5   | 88050116    | 600V AC        | 10000A V AC         | 5          |
| <b>FNA Midget Pin-Indicating Fuses</b>        |             |                |                     |            |
| FNA-1   | 88050481    | 125V AC        | 10000A              | 1          |
| FNA-2   | 88050495    | 125V AC        | 10000A              | 2          |
| FNA-5   | 88050510    | 125V AC        | 10000A              | 5          |
| <b>Fusetron® Midget Time-Delay Fuses</b>      |             |                |                     |            |
| FNM-1/2                                       | 88050547    | 250V AC        | 10000A              | 1/2        |
| FNM-6/10                                      | 88050573    | 250V AC        | 35A                 | 6/10       |
| FNM-1   | 88050539    | 250V AC        | 35A                 | 1          |
| FNM-1 1/4                                     | 88050541    | 250V AC        | 100A                | 1 1/4      |
| FNM-1 4/10                                    | 88050543    | 250V AC        | 100A                | 1 4/10     |
| FNM-2   | 88050553    | 250V AC        | 100A                | 2          |
| FNM-2 1/2                                     | 88050554    | 250V AC        | 100A                | 2 1/2      |
| FNM-3   | 88050560    | 250V AC        | 100A                | 3          |
| FNM 3 2/10                                    | 88050562    | 250V AC        | 100A                | 3 2/10     |
| FNM-3 1/2                                     | 88050561    | 250V AC        | 100A                | 3 1/2      |
| FNM-4   | 88050566    | 250V AC        | 200A                | 4          |
| FNM-5   | 88050569    | 250V AC        | 200A                | 5          |
| FNM-6   | 88050571    | 250V AC        | 200A                | 6          |
| FNM-6 1/4                                     | 88050572    | 250V AC        | 200A                | 6 1/4      |
| FNM-7   | 88050574    | 250V AC        | 200A                | 7          |
| FNM-8   | 88050575    | 250V AC        | 200A                | 8          |
| FNM-10  | 88050549    | 250V AC        | 200A                | 10         |
| FNM-12  | 88050550    | 125V AC        | 10000A              | 12         |
| FNM-15  | 88050551    | 125V AC        | 10000A              | 15         |
| FNM-20  | 88050558    | 32V AC         | 10000A              | 20         |
| FNM-30  | 88050564    | 32V AC         | 10000A              | 30         |

Continued ➤

### Electrical Power Fuses - Time-Delay and Supplementary Fuses

Cooper Bussmann

| Mfg. No.                                    | Advanced ID              | Voltage Rating   | Interrupting Rating                       | Amp Rating |
|---|--------------------------|------------------|---|------------|
| <b>KTK Fast Acting Midget Fuses</b>         |                          |                  |   |            |
| KTK-R-3                                     | <a href="#">88052133</a> | 600V AC, 300V DC | 200000A RMS Symmetrical V AC, 10000A V DC | 3          |
| KTK-R-4                                     | <a href="#">88052137</a> | 600V AC, 300V DC | 200000A RMS Symmetrical V AC, 10000A V DC | 4          |
| KTK-R-5                                     | <a href="#">88052139</a> | 600V AC, 300V DC | 200000A RMS Symmetrical V AC, 10000A V DC | 5          |
| KTK-R-6                                     | <a href="#">88052140</a> | 600V AC, 300V DC | 200000A RMS Symmetrical V AC, 10000A V DC | 6          |
| KTK-R-7                                     | <a href="#">88052142</a> | 600V AC, 300V DC | 200000A RMS Symmetrical V AC, 10000A V DC | 7          |
| KTK-R-8                                     | <a href="#">88052143</a> | 600V AC, 300V DC | 200000A RMS Symmetrical V AC, 10000A V DC | 8          |
| KTK-R-10                                    | <a href="#">88052126</a> | 600V AC, 300V DC | 200000A RMS Symmetrical V AC, 10000A V DC | 10         |
| KTK-R-12                                    | <a href="#">88052127</a> | 600V AC, 300V DC | 200000A RMS Symmetrical V AC, 10000A V DC | 12         |
| KTK-R-15                                    | <a href="#">88052128</a> | 600V AC, 300V DC | 200000A RMS Symmetrical V AC, 10000A V DC | 15         |
| KTK-R-20                                    | <a href="#">88052131</a> | 600V AC, 300V DC | 200000A RMS Symmetrical V AC, 10000A V DC | 20         |
| KTK-R-25                                    | <a href="#">88052132</a> | 600V AC, 300V DC | 200000A RMS Symmetrical V AC, 10000A V DC | 25         |
| KTK-R-30                                    | <a href="#">88052136</a> | 600V AC, 300V DC | 200000A RMS Symmetrical V AC, 10000A V DC | 30         |
| <b>Class CC Low - Peak Time Delay Fuses</b> |                          |                  |   |            |
| LP-CC-1/2                                   | <a href="#">93162875</a> | 600V AC, 300V DC | 200000A RMS Symmetrical, 20000A V DC      | 1/2        |
| LP-CC-8/10                                  | <a href="#">93174137</a> | 600V AC, 300V DC | 200000A RMS Symmetrical, 20000A V DC      | 8/10       |
| LP-CC-1                                     | <a href="#">93174138</a> | 600V AC, 300V DC | 200000A RMS Symmetrical, 20000A V DC      | 1          |
| LP-CC-1 1/4                                 | <a href="#">93174140</a> | 600V AC, 300V DC | 200000A RMS Symmetrical, 20000A V DC      | 1 1/4      |
| LP-CC-1 1/2                                 | <a href="#">93174142</a> | 600V AC, 300V DC | 200000A RMS Symmetrical, 20000A V DC      | 1 1/2      |
| LP-CC-2                                     | <a href="#">92140723</a> | 600V AC, 300V DC | 200000A RMS Symmetrical, 20000A V DC      | 2          |
| LP-CC-2 1/4                                 | <a href="#">93162854</a> | 600V AC, 300V DC | 200000A RMS Symmetrical, 20000A V DC      | 2 1/4      |
| LP-CC-2 1/2                                 | <a href="#">93162853</a> | 600V AC, 300V DC | 200000A RMS Symmetrical, 20000A V DC      | 2 1/2      |
| LP-CC-3                                     | <a href="#">92140726</a> | 600V AC, 300V DC | 200000A RMS Symmetrical, 20000A V DC      | 3          |
| LP-CC-3 1/2                                 | <a href="#">93162860</a> | 600V AC, 300V DC | 200000A RMS Symmetrical, 20000A V DC      | 3 1/2      |
| LP-CC-4                                     | <a href="#">92140719</a> | 600V AC, 300V DC | 200000A RMS Symmetrical, 20000A V DC      | 4          |
| LP-CC-5                                     | <a href="#">93153166</a> | 600V AC, 300V DC | 200000A RMS Symmetrical, 20000A V DC      | 5          |
| LP-CC-6                                     | <a href="#">92140720</a> | 600V AC, 300V DC | 200000A RMS Symmetrical, 20000A V DC      | 6          |
| LP-CC-7                                     | <a href="#">93162874</a> | 600V AC, 300V DC | 200000A RMS Symmetrical, 20000A V DC      | 7          |
| LP-CC-8                                     | <a href="#">92140721</a> | 600V AC, 300V DC | 200000A RMS Symmetrical, 20000A V DC      | 8          |
| LP-CC-10                                    | <a href="#">92140722</a> | 600V AC, 300V DC | 200000A RMS Symmetrical, 20000A V DC      | 10         |
| LP-CC-12                                    | <a href="#">93150955</a> | 600V AC, 300V DC | 200000A RMS Symmetrical, 20000A V DC      | 12         |
| LP-CC-15                                    | <a href="#">92140727</a> | 600V AC, 300V DC | 200000A RMS Symmetrical, 20000A V DC      | 15         |
| LP-CC-20                                    | <a href="#">92140724</a> | 600V AC, 300V DC | 200000A RMS Symmetrical, 20000A V DC      | 20         |
| LP-CC-25                                    | <a href="#">92140725</a> | 600V AC, 300V DC | 200000A RMS Symmetrical, 20000A V DC      | 25         |
| LP-CC-30                                    | <a href="#">92140718</a> | 600V AC, 300V DC | 200000A RMS Symmetrical, 20000A V DC      | 30         |

## Electrical Power Fuses - Time-Delay and Supplementary Fuses

Cooper Bussmann

| Mfg. No.                            | Advanced ID | Voltage Rating   | Interrupting Rating                       | Amp Rating |
|-------------------------------------|-------------|------------------|---|------------|
| <b>Tron Midget Time-Delay Fuses</b> |             |                  |   |            |
| FNQ-1/2                             | 88050584    | 500V AC          | 10000A                                    | 1/2        |
| FNQ-1                               | 88050578    | 500V AC          | 10000A                                    | 1          |
| FNQ-1 1/2                           | 88050579    | 500V AC          | 10000A                                    | 1 1/2      |
| FNQ-2                               | 88050592    | 500V AC          | 10000A                                    | 2          |
| FNQ-3                               | 88050598    | 500V AC          | 10000A                                    | 3          |
| FNQ-4                               | 88050604    | 500V AC          | 10000A                                    | 4          |
| FNQ-5                               | 88050607    | 500V AC          | 10000A                                    | 5          |
| FNQ-6                               | 88050609    | 500V AC          | 10000A                                    | 6          |
| FNQ-7                               | 88050612    | 500V AC          | 10000A                                    | 7          |
| FNQ-8                               | 88050613    | 500V AC          | 10000A                                    | 8          |
| FNQ-10                              | 88050587    | 500V AC          | 10000A                                    | 10         |
| FNQ-12                              | 88050588    | 500V AC          | 10000A                                    | 12         |
| FNQ-15                              | 88050590    | 500V AC          | 10000A                                    | 15         |
| FNQ-20                              | 88050596    | 500V AC          | 10000A                                    | 20         |
| FNQ-25                              | 88050597    | 500V AC          | 10000A                                    | 25         |
| FNQ-30                              | 88050603    | 500V AC          | 10000A                                    | 30         |
| FNQ-R-1/4                           | 88050620    | 600V AC/V DC     | 200000A RMS Symmetrical                   | 1/4        |
| FNQ-R-4/10                          | 90013709    | 600V AC/V DC     | 200000A RMS Symmetrical                   | 4/10       |
| FNQ-R-1/2                           | 88050619    | 600V AC/V DC     | 200000A RMS Symmetrical                   | 1/2        |
| FNQ-R-6/10                          | 91035442    | 600V AC/V DC     | 200000A RMS Symmetrical                   | 6/10       |
| FNQ-R-3/4                           | 91035443    | 600V AC/V DC     | 200000A RMS Symmetrical                   | 3/4        |
| FNQ-R-1                             | 88050616    | 600V AC/V DC     | 200000A RMS Symmetrical                   | 1          |
| FNQ-R-1 1/4                         | 90074482    | 600V AC/V DC     | 200000A RMS Symmetrical                   | 1 1/4      |
| FNQ-R-1 1/2                         | 88050617    | 600V AC/V DC     | 200000A RMS Symmetrical                   | 1 1/2      |
| FNQ-R-2                             | 88050621    | 600V AC/V DC     | 200000A RMS Symmetrical                   | 2          |
| FNQ-R-2 1/2                         | 88050622    | 600V AC/V DC     | 200000A RMS Symmetrical                   | 2 1/2      |
| FNQ-R-3                             | 88050623    | 600V AC/V DC     | 200000A RMS Symmetrical                   | 3          |
| FNQ-R-3 1/2                         | 92060924    | 600V AC/V DC     | 200000A RMS Symmetrical                   | 3 1/2      |
| FNQ-R-4                             | 88050624    | 600V AC/V DC     | 200000A RMS Symmetrical                   | 4          |
| FNQ-R-5                             | 88050625    | 600V AC/V DC     | 200000A RMS Symmetrical                   | 5          |
| FNQ-R-6                             | 88315735    | 600V AC/V DC     | 200000A RMS Symmetrical                   | 6          |
| FNQ-R-7 1/2                         | 88050626    | 600V AC/V DC     | 200000A RMS Symmetrical                   | 7 1/2      |
| FNQ-R-8                             | 92060918    | 600V AC/V DC     | 200000A RMS Symmetrical                   | 8          |
| FNQ-R-10                            | 91019648    | 600V AC/V DC     | 200000A RMS Symmetrical                   | 10         |
| FNQ-R-12                            | 96077825    | 600V AC/V DC     | 200000A RMS Symmetrical                   | 12         |
| FNQ-R-15                            | 96072681    | 600V AC/V DC     | 200000A RMS Symmetrical                   | 15         |
| FNQ-R-20                            | 96072682    | 600V AC/V DC     | 200000A RMS Symmetrical                   | 20         |
| FNQ-R-25                            | 96072683    | 600V AC/V DC     | 200000A RMS Symmetrical                   | 25         |
| FNQ-R-30                            | 96072685    | 600V AC/V DC     | 200000A RMS Symmetrical                   | 30         |
| <b>KTK Fast Acting Midget Fuses</b> |             |                  |   |            |
| KTK-1                               | 88052091    | 600V AC, 300V DC | 100000A RMS Symmetrical                   | 1          |
| KTK-1 1/2                           | 88052092    | 600V AC, 300V DC | 100000A RMS Symmetrical                   | 1 1/2      |
| KTK-2                               | 88052100    | 600V AC, 300V DC | 100000A RMS Symmetrical                   | 2          |
| KTK-3                               | 88052105    | 600V AC, 300V DC | 100000A RMS Symmetrical                   | 3          |
| KTK-5                               | 88052113    | 600V AC, 300V DC | 100000A RMS Symmetrical                   | 5          |
| KTK-6                               | 88052115    | 600V AC, 300V DC | 100000A RMS Symmetrical                   | 6          |
| KTK-8                               | 88052118    | 600V AC, 300V DC | 100000A RMS Symmetrical                   | 8          |
| KTK-10                              | 88052097    | 600V AC, 300V DC | 100000A RMS Symmetrical                   | 10         |
| KTK-15                              | 88052099    | 600V AC, 300V DC | 100000A RMS Symmetrical                   | 15         |
| KTK-20                              | 88052103    | 600V AC, 300V DC | 100000A RMS Symmetrical                   | 20         |
| KTK-30                              | 88052109    | 600V AC, 300V DC | 100000A RMS Symmetrical                   | 30         |
| KTK-R-1/2                           | 88052123    | 600V AC, 300V DC | 200000A RMS Symmetrical                   | 1/2        |
| KTK-R-1                             | 88052120    | 600V AC, 300V DC | 200000A RMS Symmetrical V AC, 10000A V DC | 1          |
| KTK-R-1 1/2                         | 88052121    | 600V AC, 300V DC | 200000A RMS Symmetrical V AC, 10000A V DC | 1 1/2      |
| KTK-R-2                             | 88052129    | 600V AC, 300V DC | 200000A RMS Symmetrical V AC, 10000A V DC | 2          |

Continued ►

## Electronic Small Dimension Fuses

Cooper Bussmann



AGC-1



GLR-1

### Benefits

- Fits Many Applications
- Provides the Correct Level of Protection When Properly Sized
- Meets Many Electrical Requirements

### Features

- 5 x 20mm and 1/4 x 1 1/4 Sizes
- Fast Acting and Time-Delay Fuses
- 125V AC, 250V AC, 250V AC/125V DC and 300V AC Ratings

| Mfg. No.  | Advanced ID              | Voltage Rating | Interrupting Rating | Dimensions                              | Amp Rating |
|---|--------------------------|----------------|---------------------|---|------------|
| <b>Fast Acting Small Dimension Fuse, ABC Series (ceramic body)</b>            |                          |                |                     |   |            |
| ABC-1   | <a href="#">88049723</a> | 250V AC/V DC   | 10000A @ 125V AC    | 1 1/4L x 1/4Dia in.                     | 1          |
| ABC-2   | <a href="#">88049730</a> | 250V AC/V DC   | 10000A @ 125V AC    | 1 1/4L x 1/4Dia in.                     | 2          |
| ABC-3   | <a href="#">88049734</a> | 250V AC/V DC   | 10000A @ 125V AC    | 1 1/4L x 1/4Dia in.                     | 3          |
| ABC-5   | <a href="#">88049738</a> | 250V AC/V DC   | 10000A @ 125V AC    | 1 1/4L x 1/4Dia in.                     | 5          |
| ABC-6   | <a href="#">88049739</a> | 250V AC/V DC   | 10000A @ 125V AC    | 1 1/4L x 1/4Dia in.                     | 6          |
| ABC-8   | <a href="#">88049741</a> | 250V AC/V DC   | 10000A @ 125V AC    | 1 1/4L x 1/4Dia in.                     | 8          |
| ABC-10  | <a href="#">88049727</a> | 250V AC/V DC   | 10000A @ 125V AC    | 1 1/4L x 1/4Dia in.                     | 10         |
| ABC-15  | <a href="#">88049729</a> | 250V AC/V DC   | 10000A @ 125V AC    | 1 1/4L x 1/4Dia in.                     | 15         |
| ABC-20  | <a href="#">88049732</a> | 250V AC/V DC   | 1000A @ 125V AC     | 1 1/4L x 1/4Dia in.                     | 20         |
| <b>Fast Acting Small Dimension Fuse, AGC Series (glass body)</b>              |                          |                |                     |   |            |
| AGC-1   | <a href="#">88049869</a> | 250V AC/V DC   | 10000 @ 125V AC     | 1 1/4L x 1/4Dia in.                     | 1          |
| AGC-1 1/2   | <a href="#">88049870</a> | 250V AC/V DC   | 10000 @ 125V AC     | 1 1/4L x 1/4Dia in.                     | 1 1/2      |
| AGC-2   | <a href="#">88049891</a> | 250V AC/V DC   | 10000 @ 125V AC     | 1 1/4L x 1/4Dia in.                     | 2          |
| AGC-3   | <a href="#">88049897</a> | 250V AC/V DC   | 10000 @ 125V AC     | 1 1/4L x 1/4Dia in.                     | 3          |
| AGC-4   | <a href="#">88049906</a> | 250V AC/V DC   | 10000 @ 125V AC     | 1 1/4L x 1/4Dia in.                     | 4          |
| AGC-5   | <a href="#">88049910</a> | 250V AC/V DC   | 10000 @ 125V AC     | 1 1/4L x 1/4Dia in.                     | 5          |
| AGC-6   | <a href="#">88049912</a> | 250V AC/V DC   | 10000 @ 125V AC     | 1 1/4L x 1/4Dia in.                     | 6          |
| AGC-8   | <a href="#">88049917</a> | 250V AC/V DC   | 10000 @ 125V AC     | 1 1/4L x 1/4Dia in.                     | 8          |
| AGC-10  | <a href="#">88049885</a> | 250V AC/V DC   | 10000 @ 125V AC     | 1 1/4L x 1/4Dia in.                     | 10         |
| AGC-15  | <a href="#">88049888</a> | 32V AC         | 1000A @ 32V AC      | 1 1/4L x 1/4Dia in.                     | 15         |
| <b>Time Delay Small Dimension Fuse, GDC Series (glass body)</b>               |                          |                |                     |   |            |
| GDC-500m  | <a href="#">88051015</a> | 250V AC        | 35A @ 250V AC       | 20L x 5Dia mm                           | 500 mA     |
| GDC-1   | <a href="#">88051004</a> | 250V AC        | 35A @ 250V AC       | 20L x 5Dia mm                           | 1          |
| GDC-2   | <a href="#">88051008</a> | 250V AC        | 35A @ 250V AC       | 20L x 5Dia mm                           | 2          |
| GDC-5   | <a href="#">88051017</a> | 250V AC        | 35A @ 250V AC       | 20L x 5Dia mm                           | 5          |
| <b>Fast Acting Fuse With Non-Rejecting Carrier, GLR Series (ceramic body)</b> |                          |                |                     |   |            |
| GLR-1   | <a href="#">88051132</a> | 300V AC        | 10000A              | 0.61 Cap Dia. x 1.82 Length in. Overall | 1          |
| GLR-1 1/2   | <a href="#">88051133</a> | 300V AC        | 10000A              | 0.61 Cap Dia. x 1.82 Length in. Overall | 1 1/2      |
| GLR-2   | <a href="#">88051139</a> | 300V AC        | 10000A              | 0.61 Cap Dia. x 1.82 Length in. Overall | 2          |
| GLR-3   | <a href="#">88051141</a> | 300V AC        | 10000A              | 0.61 Cap Dia. x 1.82 Length in. Overall | 3          |
| GLR-5   | <a href="#">88051143</a> | 300V AC        | 10000A              | 0.61 Cap Dia. x 1.82 Length in. Overall | 5          |
| GLR-10  | <a href="#">88051136</a> | 300V AC        | 10000A              | 0.61 Cap Dia. x 1.82 Length in. Overall | 10         |
| GLR-15  | <a href="#">88051138</a> | 300V AC        | 10000A              | 0.61 Cap Dia. x 1.82 Length in. Overall | 15         |

Continued ►

### Electronic Small Dimension Fuses

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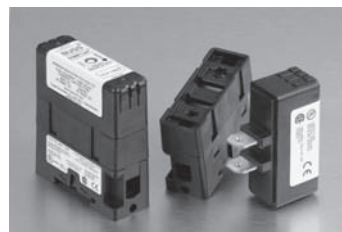
| Mfg. No.   | Advanced ID              | Voltage Rating | Interrupting Rating | Dimensions  | Amp Rating                    |
|--|--------------------------|----------------|---------------------|---|-------------------------------|
| <b>Fast Acting Small Dimension Fuse, GMA Series (glass body)</b>       |                          |                |                     |   |                               |
| GMA-500mA  | <a href="#">88051165</a> | 250V AC        | 10000A @ 125V AC    | 20L x 5Dia mm   | 500 mA                        |
| GMA-1-R  | <a href="#">88051159</a> | 250V AC        | 10000A @ 125V AC    | 20L x 5Dia mm   | 1                             |
| GMA-2-R  | <a href="#">88051172</a> | 250V AC        | 10000A @ 125V AC    | 20L x 5Dia mm   | 2                             |
| GMA-3-R  | <a href="#">88051175</a> | 250V AC        | 10000A @ 125V AC    | 20L x 5Dia mm   | 3                             |
| GMA-4-R  | <a href="#">88051179</a> | 125V AC        | 10000A @ 125V AC    | 20L x 5Dia mm   | 4                             |
| GMA-5-R  | <a href="#">88051181</a> | 125V AC        | 10000A @ 125V AC    | 20L x 5Dia mm   | 5                             |
| GMA-10-R   | <a href="#">88051170</a> | 125V AC        | 10000A @ 125V AC    | 20L x 5Dia mm   | 10                            |
| <b>Medium Time Delay Small Dimension Fuse, GMC Series (glass body)</b> |                          |                |                     |   |                               |
| GMC-1-R  | <a href="#">90003367</a> | 250V AC        | 10000A @ 125V AC    | 20L x 5Dia mm   | 1                             |
| GMC-5-R  | <a href="#">90003373</a> | 125V AC        | 10000A @ 125V AC    | 20L x 5Dia mm   | 5                             |
| <b>Time Delay Small Dimension Fuse, MDA Series (ceramic body)</b>      |                          |                |                     |   |                               |
| MDA-2  | <a href="#">88052545</a> | 250V AC        | 10000 @ 125V AC     | 1 <sup>1</sup> / <sub>4</sub> L x 1 <sup>1</sup> / <sub>4</sub> Dia in. | 2                             |
| MDA-3  | <a href="#">88052551</a> | 250V AC        | 10000 @ 125V AC     | 1 <sup>1</sup> / <sub>4</sub> L x 1 <sup>1</sup> / <sub>4</sub> Dia in. | 3                             |
| MDA-5  | <a href="#">88052560</a> | 250V AC        | 10000 @ 125V AC     | 1 <sup>1</sup> / <sub>4</sub> L x 1 <sup>1</sup> / <sub>4</sub> Dia in. | 5                             |
| MDA-8  | <a href="#">88052565</a> | 250V AC        | 10000 @ 125V AC     | 1 <sup>1</sup> / <sub>4</sub> L x 1 <sup>1</sup> / <sub>4</sub> Dia in. | 8                             |
| MDA-10   | <a href="#">88052540</a> | 250V AC        | 10000 @ 125V AC     | 1 <sup>1</sup> / <sub>4</sub> L x 1 <sup>1</sup> / <sub>4</sub> Dia in. | 10                            |
| MDA-15   | <a href="#">88052542</a> | 250V AC        | 10000 @ 125V AC     | 1 <sup>1</sup> / <sub>4</sub> L x 1 <sup>1</sup> / <sub>4</sub> Dia in. | 15                            |
| MDA-20   | <a href="#">88052549</a> | 250V AC        | 10000 @ 125V AC     | 1 <sup>1</sup> / <sub>4</sub> L x 1 <sup>1</sup> / <sub>4</sub> Dia in. | 20                            |
| <b>Time Delay Small Dimension Fuse, MDL Series (glass body)</b>        |                          |                |                     |   |                               |
| MDL-1/2  | <a href="#">88052594</a> | 250V AC        | 10000 @ 125V AC     | 1 <sup>1</sup> / <sub>4</sub> L x 1 <sup>1</sup> / <sub>4</sub> Dia in. | 1/2                           |
| MDL-1  | <a href="#">88052585</a> | 250V AC        | 10000 @ 125V AC     | 1 <sup>1</sup> / <sub>4</sub> L x 1 <sup>1</sup> / <sub>4</sub> Dia in. | 1                             |
| MDL-1 1/2  | <a href="#">88052586</a> | 250V AC        | 10000 @ 125V AC     | 1 <sup>1</sup> / <sub>4</sub> L x 1 <sup>1</sup> / <sub>4</sub> Dia in. | 1 <sup>1</sup> / <sub>2</sub> |
| MDL-2  | <a href="#">88052603</a> | 250V AC        | 10000 @ 125V AC     | 1 <sup>1</sup> / <sub>4</sub> L x 1 <sup>1</sup> / <sub>4</sub> Dia in. | 2                             |
| MDL-3  | <a href="#">88052610</a> | 250V AC        | 10000 @ 125V AC     | 1 <sup>1</sup> / <sub>4</sub> L x 1 <sup>1</sup> / <sub>4</sub> Dia in. | 3                             |
| MDL-4  | <a href="#">88052618</a> | 250V AC        | 10000 @ 125V AC     | 1 <sup>1</sup> / <sub>4</sub> L x 1 <sup>1</sup> / <sub>4</sub> Dia in. | 4                             |
| MDL-5  | <a href="#">88052621</a> | 250V AC        | 10000 @ 125V AC     | 1 <sup>1</sup> / <sub>4</sub> L x 1 <sup>1</sup> / <sub>4</sub> Dia in. | 5                             |
| MDL-8  | <a href="#">88052628</a> | 250V AC        | 10000 @ 125V AC     | 1 <sup>1</sup> / <sub>4</sub> L x 1 <sup>1</sup> / <sub>4</sub> Dia in. | 8                             |
| MDL-10   | <a href="#">88052598</a> | 32V AC         | 1000A @ 32V AC      | 1 <sup>1</sup> / <sub>4</sub> L x 1 <sup>1</sup> / <sub>4</sub> Dia in. | 10                            |
| MDL-15   | <a href="#">88052600</a> | 32V AC         | 1000A @ 32V AC      | 1 <sup>1</sup> / <sub>4</sub> L x 1 <sup>1</sup> / <sub>4</sub> Dia in. | 15                            |
| MDL-20   | <a href="#">88052608</a> | 32V AC         | 1000A @ 32V AC      | 1 <sup>1</sup> / <sub>4</sub> L x 1 <sup>1</sup> / <sub>4</sub> Dia in. | 20                            |

## Electrical Power Fuse - Indicating

Cooper Bussmann



CUBEFuse



CUBEFuse Holder

Indicating - finger-safe dual-element time-delay fuses.

### Benefits

- Permanent Fuse Indication Reduces Troubleshooting Time
- Low Let-Through Currents Under Fault Conditions Safely Interrupt Faults up to 300,000A and Provides Type 2 Protection

### Features

- Designed to be Internationally Accepted and Specified to Meet IEC 60529 for IP-20 Finger-Safe Rating—Enhances Worker Safety
- Smallest Footprint of Any Power Class Fuse Including UL Class J, CC, T and RK with Wire Ports Rated for Dual Wires—Saves Space While Increasing Flexibility

| Mfg. No.               | Advanced ID              | Voltage Rating   | Amp Rating |
|------------------------|--------------------------|------------------|------------|
| <b>CUBEFuse Holder</b> |                          |                  |            |
| TCFH30                 | <a href="#">99538473</a> | 600V AC/ 300V DC | 30         |
| TCFH60                 | <a href="#">99538474</a> | 600V AC/ 300V DC | 60         |
| TCFH100                | <a href="#">22108950</a> | 600V AC/ 300V DC | 100        |
| <b>CUBEFuse</b>        |                          |                  |            |
| TCF1                   | <a href="#">99538475</a> | 600V AC/ 300V DC | 1          |
| TCF3                   | <a href="#">99538476</a> | 600V AC/ 300V DC | 3          |
| TCF6                   | <a href="#">99538477</a> | 600V AC/ 300V DC | 6          |
| TCF10                  | <a href="#">99538479</a> | 600V AC/ 300V DC | 10         |
| TCF15                  | <a href="#">99538460</a> | 600V AC/ 300V DC | 15         |
| TCF17-1/2              | <a href="#">99538461</a> | 600V AC/ 300V DC | 17 1/2     |
| TCF20                  | <a href="#">99538462</a> | 600V AC/ 300V DC | 20         |
| TCF25                  | <a href="#">99538465</a> | 600V AC/ 300V DC | 25         |
| TCF30                  | <a href="#">99538466</a> | 600V AC/ 300V DC | 30         |
| TCF35                  | <a href="#">99538467</a> | 600V AC/ 300V DC | 35         |
| TCF40                  | <a href="#">99538468</a> | 600V AC/ 300V DC | 40         |
| TCF45                  | <a href="#">99538469</a> | 600V AC/ 300V DC | 45         |
| TCF50                  | <a href="#">99538470</a> | 600V AC/ 300V DC | 50         |
| TCF60                  | <a href="#">99538471</a> | 600V AC/ 300V DC | 60         |
| TCF70                  | <a href="#">22108946</a> | 600V AC/ 300V DC | 70         |
| TCF80                  | <a href="#">22108947</a> | 600V AC/ 300V DC | 80         |
| TCF90                  | <a href="#">22108948</a> | 600V AC/ 300V DC | 90         |
| TCF100                 | <a href="#">22108949</a> | 600V AC/ 300V DC | 100        |



### Electrical Fuse Blocks

Cooper Bussmann



BC6032P



BM6031B



H60030-3C



J60030-3CR



R25030-1CR

#### Benefits

- Hold Many Standard Fuse Sizes
- Handle a Variety of Power Requirements
- Meet Voltage Requirements
- Flexible Connection Options

#### Features

- Fuse Blocks for Class CC, H, R, M, K and J, 13/32 x 1 1/2 Supplemental and 1/4 x 1 1/4 Fuses
- 1-, 2- and 3-Pole Versions
- 250V AC, 300V AC and 600V AC Ratings
- Pressure Plate, Box Lug, Screw and Quick Connect Terminal Options

| Advanced ID          | Mfg. No.   | Voltage Rating | Terminal Type                       | Number of Poles | Amp Rating    |
|----------------------|------------|----------------|-------------------------------------|-----------------|---------------|
| <b>Class CC</b>      |            |                |                                     |                 |               |
| 92060981             | BC6032B    | 600V AC        | Box Lug                             | 2               | 1/10 to 30    |
| 90011023             | BC6032P    | 600V AC        | Pressure Plate                      | 2               | 1/10 to 30    |
| 88049388             | BC6032S    | 600V AC        | Screw                               | 2               | 1/10 to 30    |
| 92060979             | BC6032SQ   | 600V AC        | Screw with Quick Connect            | 2               | 1/10 to 30    |
| 92060818             | BC6033B    | 600V AC        | Box Lug                             | 3               | 1/10 to 30    |
| 89079282             | BC6033P    | 600V AC        | Pressure Plate                      | 3               | 1/10 to 30    |
| 88049389             | BC6033S    | 600V AC        | Screw                               | 3               | 1/10 to 30    |
| 92060980             | BC6033SQ   | 600V AC        | Screw with Quick Connect            | 3               | 1/10 to 30    |
| <b>Type M</b>        |            |                |                                     |                 |               |
| 88287296             | BM6031B    | 600V AC        | Box Lug                             | 1               | 1/10 to 30    |
| 89041823             | BM6031PQ   | 600V AC        | Pressure Plate with Quick Connect   | 1               | 1/10 to 30    |
| 88049452             | BM6031SQ   | 600V AC        | Screw with Quick Connect            | 1               | 1/10 to 30    |
| 88287297             | BM6032B    | 600V AC        | Box Lug                             | 2               | 1/10 to 30    |
| 89079283             | BM6032PQ   | 600V AC        | Pressure Plate with Quick Connect   | 2               | 1/10 to 30    |
| 88050294             | BM6032SQ   | 600V AC        | Screw with Quick Connect            | 2               | 1/10 to 30    |
| 88287298             | BM6033B    | 600V AC        | Box Lug                             | 3               | 1/10 to 30    |
| 88049398             | BM6033PQ   | 600V AC        | Pressure Plate with Quick Connect   | 3               | 1/10 to 30    |
| 88049454             | BM6033SQ   | 600V AC        | Screw with Quick Connect            | 3               | 1/10 to 30    |
| 88049530             | 3743       | 600V AC        | Screw                               | 1               | 30            |
| <b>Class H&amp;K</b> |            |                |                                     |                 |               |
| 88049300             | H25030-1C  | 250V AC        | Box Lug                             | 1               | 1/10 to 30    |
| 88049294             | H25030-1S  | 250V AC        | Screw                               | 1               | 1/10 to 30    |
| 88049295             | H25030-2S  | 250V AC        | Screw                               | 2               | 1/10 to 30    |
| 88049302             | H25030-3C  | 250V AC        | Box Lug                             | 3               | 1/10 to 30    |
| 88049296             | H25030-3S  | 250V AC        | Screw                               | 3               | 1/10 to 30    |
| 88049322             | H60030-3C  | 600V AC        | Box Lug                             | 3               | 1/10 to 30    |
| 88049316             | H60030-3S  | 600V AC        | Screw                               | 3               | 1/10 to 30    |
| 88049325             | H60060-3C  | 600V AC        | Box Lug                             | 3               | 31 to 60      |
| <b>Class J</b>       |            |                |                                     |                 |               |
| 89021211             | J60030-3CR | 600V AC        | Box Lug, Clip with Retaining Spring | 3               | 1/2 to 30     |
| 91016166             | J60060-3CR | 600V AC        | Box Lug with Clip                   | 3               | 31 to 60      |
| 91035534             | J60100-3CR | 600V AC        | Box Lug with Clip                   | 3               | 61 to 100     |
| <b>Class R</b>       |            |                |                                     |                 |               |
| 88049357             | R25030-1CR | 250V AC        | Box Lug                             | 1               | 1/10 to 30    |
| 88049359             | R25030-3CR | 250V AC        | Box Lug                             | 3               | 1/10 to 30    |
| 88049374             | R60030-3CR | 600V AC        | Box Lug                             | 3               | 1/10 to 30    |
| 88049377             | R60060-3CR | 600V AC        | Box Lug                             | 3               | 31 to 60      |
| 88049380             | R60100-3CR | 600V AC        | Box Lug                             | 3               | 61 to 100     |
| 88053105             | S-8301-1   | 300V AC        | Screw                               | 1               | 30 UL, 10 CSA |

## Electrical Fuse Holders

Cooper Bussmann



CHCC1



JTN60030



HLR

### Benefits

- Wide Variety of Voltage Applications
- Add on Poles as Needed
- Improve Electrical Safety
- Terminal Options to Meet Application Needs
- Wide Fusing Options

### Features

- 32V, 250V and 600V Ratings
- Modular Construction
- Finger-Safe Construction
- Solder, Quick Connect and Wire Lead Terminations
- DIN Rail, Panel and In-Line Mountings
- In-Line and Panel Mount Holders Hold  $1^{3/32} \times 1^{5/16}$  to  $1^{1/2}$ ,  $1/4 \times 1^{1/4}$  and  $1/4 \times$  Various Length Fuses

| Amp Rating   | Voltage Rating | Number of Poles | For Use With  | Mfg. No.  | Advanced ID              | Connection Type                          |
|--|----------------|-----------------|---|-----------|--------------------------|--|
| <b>CH Series Modular (Din Rail Mounted) Fuse Holders</b> |                |                 |   |           |                          |  |
| 30   | 600V AC        | 1               | LP-CC, FNQ-R, KTK-R fuses                                       | CHCC1     | <a href="#">97168681</a> | Box Lug                                  |
| 30   | 600V AC        | 1               | LP-CC, FNQ-R, KTK-R fuses w/indicator                           | CHCC1I    | <a href="#">97168688</a> | Box Lug                                  |
| 30   | 600V AC        | 2               | LP-CC, FNQ-R, KTK-R fuses                                       | CHCC2     | <a href="#">97168682</a> | Box Lug                                  |
| 30   | 600V AC        | 2               | LP-CC, FNQ-R, KTK-R fuses w/indicator                           | CHCC2I    | <a href="#">97168690</a> | Box Lug                                  |
| 30   | 600V AC        | 3               | LP-CC, FNQ-R, KTK-R fuses                                       | CHCC3     | <a href="#">97168686</a> | Box Lug                                  |
| 30   | 600V AC        | 3               | LP-CC, FNQ-R, KTK-R fuses w/indicator                           | CHCC3I    | <a href="#">97168691</a> | Box Lug                                  |
| 30   | 600V AC        | 1               | Bussmann FNQ, KTK, AGU, KM, BAF, BAN, GNM, FWA, FWC, C10 Series | CHM1      | <a href="#">97168667</a> | Box Lug                                  |
| <b>Class J (Touch Safe) Fuse Holders</b>                 |                |                 |   |           |                          |  |
| 30   | 600V AC        | 1               | Bussmann LPJ and JKS fuses                                      | JT60030   | <a href="#">97114046</a> | Box Lug                                  |
| 30   | 600V AC        | 1               | Bussmann LPJ and JKS fuses w/indicator                          | JTN60030  | <a href="#">97114047</a> | Box Lug                                  |
| <b>Panel-Mounted Fuse Holders</b>                        |                |                 |   |           |                          |  |
| 30   | 250V AC        | 1               | $1/4 \times 1^{1/4}$ in. Fuse                                   | HKP       | <a href="#">88051376</a> | Solder Terminals                         |
| 15   | 250V AC        | 1               | $1/4 \times 1^{1/4}$ in. Fuse                                   | HKP-HH    | <a href="#">88051381</a> | $1/4$ in. Quick Connect/Solder Terminals |
| 30   | 600V AC        | 1               | $1^{3/32} \times 1^{1/2}$ in. Fuse Screw Cap                    | HPF       | <a href="#">88051439</a> | $1/4$ in. Quick Connect/Solder Terminals |
| 30   | 600V AC        | 1               | $1^{3/32} \times 1^{1/2}$ in. Fuse Bayonet Cap                  | HPS       | <a href="#">88051449</a> | $1/4$ in. Quick Connect/Solder Terminals |
| <b>In-Line Fuse Holders</b>                              |                |                 |   |           |                          |  |
| 12As   | 300V AC        | 1               | GLR Type Fuses  | BK/HLR    | <a href="#">88050229</a> |  |
| 15As   | 300V AC        | 1               | GLR Type Fuses  | BK/HLR-2A | <a href="#">97250804</a> |  |
| 30As   | 600V           | 1               | BAF, FNM, FNQ and KTK   | HEB-AA    | <a href="#">88051296</a> |  |
| 30As   | 600V           | 2               | BAF, FNM, FNQ and KTK   | HEX-AA    | <a href="#">88051338</a> |  |
| $3/16$ -15   | 300V AC        | 1               | GLR Type Fuses  | HLR       | <a href="#">88051399</a> | Pre-Wired                                |
| 15   | 300V AC        | 1               | GLR Type Fuses  | HLR-2A    | <a href="#">97228849</a> |  |
| 20   | 32V AC         | 1               | SFE and $1/4$ in. x Various Length Fuse                         | HRJ       | <a href="#">88051461</a> | Pre-Wired                                |
| 15   | 32V AC         | 1               | $1/4 \times 7/8$ to $1^{1/4}$ in. Fuse x Various Length Fuse    | HRK       | <a href="#">88051462</a> | Pre-Wired                                |

### Fuseholders

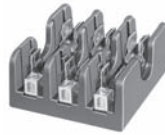
#### Type FB

#### Class 9080

Square D®



FB2221



FB3221R



FBDIN3\*\*

#### Features

- All 30 and 60 A Fuse Clips are Copper Alloy Tin Plated
- All 100 and 200 A Fuse Clips are One Piece Aluminum with Copper Spring Tin Plated
- All Class H, R and J Fuses are Standard with Reinforced Fuse Clips
- All 30A Blocks have Pressure Wire Connectors
- All 60, 100 and 200A Blocks Have Box Lug Connectors
- The Type M Fuseholders are UL Component Recognized (File E400747 CCN IZLT2)
- The Type H, R, J and CC are UL Listed (File E70747 CCN IZLT)
- All Fuseholders are CSA Certified (File LR70360)
- Flammability Rating of All FB Fuse Blocks is UL 94V-0

| Amp Rating †                    | Voltage Rating | Number of Poles | For Use With | Mfg. No.    | Advanced ID              | Connection Type |
|---------------------------------|----------------|-----------------|--------------|-------------|--------------------------|-----------------|
| <b>250V - Classes H and R**</b> |                |                 |              |             |                          |                 |
| 30                              | 250V AC        | 1               | Class H      | 9080FB1211  | <a href="#">90095283</a> | Pressure Wire   |
| 30                              | 250V AC        | 1               | Class R      | 9080FB1211R | <a href="#">92091461</a> | Pressure Wire   |
| 30                              | 250V AC        | 2               | Class H      | 9080FB2211  | <a href="#">90095268</a> | Pressure Wire   |
| 30                              | 250V AC        | 2               | Class R      | 9080FB2211R | <a href="#">90095292</a> | Pressure Wire   |
| 30                              | 250V AC        | 3               | Class H      | 9080FB3211  | <a href="#">90095265</a> | Pressure Wire   |
| 30                              | 250V AC        | 3               | Class R      | 9080FB3211R | <a href="#">90095252</a> | Pressure Wire   |
| 60                              | 250V AC        | 1               | Class H      | 9080FB1221  | <a href="#">90095284</a> | Box Lug         |
| 60                              | 250V AC        | 1               | Class R      | 9080FB1221R | <a href="#">92091460</a> | Box Lug         |
| 60                              | 250V AC        | 2               | Class H      | 9080FB2221  | <a href="#">90095260</a> | Box Lug         |
| 60                              | 250V AC        | 2               | Class R      | 9080FB2221R | <a href="#">92091462</a> | Box Lug         |
| 60                              | 250V AC        | 3               | Class H      | 9080FB3221  | <a href="#">90095266</a> | Box Lug         |
| 60                              | 250V AC        | 3               | Class R      | 9080FB3221R | <a href="#">95041989</a> | Box Lug         |
| 100                             | 250V AC        | 1               | Class H      | 9080FB1231  | <a href="#">90095285</a> | Box Lug         |
| 100                             | 250V AC        | 2               | Class H      | 9080FB2231  | <a href="#">90095261</a> | Box Lug         |
| 100                             | 250V AC        | 2               | Class R      | 9080FB2231R | <a href="#">22098254</a> | Box Lug         |
| 100                             | 250V AC        | 3               | Class H      | 9080FB3231  | <a href="#">90095267</a> | Box Lug         |
| 100                             | 250V AC        | 3               | Class R      | 9080FB3231R | <a href="#">99504675</a> | Box Lug         |
| 200                             | 250V AC        | 1               | Class H      | 9080FB1241  | <a href="#">90095286</a> | Box Lug         |
| 200                             | 250V AC        | 3               | Class H      | 9080FB3241  | <a href="#">92091452</a> | Box Lug         |
| <b>600V - Classes H and R**</b> |                |                 |              |             |                          |                 |
| 30                              | 600V AC        | 1               | Class H      | 9080FB1611  | <a href="#">90095287</a> | Pressure Wire   |
| 30                              | 600V AC        | 1               | Class R      | 9080FB1611R | <a href="#">92091450</a> | Pressure Wire   |
| 30                              | 600V AC        | 2               | Class H      | 9080FB2611  | <a href="#">90095262</a> | Pressure Wire   |
| 30                              | 600V AC        | 2               | Class R      | 9080FB2611R | <a href="#">92091449</a> | Pressure Wire   |
| 30                              | 600V AC        | 3               | Class H      | 9080FB3611  | <a href="#">90095256</a> | Pressure Wire   |
| 30                              | 600V AC        | 3               | Class R      | 9080FB3611R | <a href="#">92140873</a> | Pressure Wire   |
| 60                              | 600V AC        | 1               | Class H      | 9080FB1621  | <a href="#">97212725</a> | Box Lug         |
| 60                              | 600V AC        | 2               | Class H      | 9080FB2621  | <a href="#">90095264</a> | Box Lug         |
| 60                              | 600V AC        | 3               | Class H      | 9080FB3621  | <a href="#">90095257</a> | Box Lug         |
| 60                              | 600V AC        | 3               | Class R      | 9080FB3621R | <a href="#">93162080</a> | Box Lug         |
| 100                             | 600V AC        | 1               | Class H      | 9080FB1631  | <a href="#">92091457</a> | Box Lug         |
| 100                             | 600V AC        | 2               | Class H      | 9080FB2631  | <a href="#">92091455</a> | Box Lug         |
| 100                             | 600V AC        | 3               | Class H      | 9080FB3631  | <a href="#">90095258</a> | Box Lug         |

Continued ►

## Fuseholders

### Type FB

### Class 9080

Square D®

| Amp Rating †  | Voltage Rating | Number of Poles | For Use With | Mfg. No.     | Advanced ID              | Connection Type |
|---|----------------|-----------------|--------------|--------------|--------------------------|-----------------|
| <b>600V - Classes H and R**</b>   |                |                 |              |              |                          |                 |
| 100   | 600V AC        | 3               | Class R      | 9080FB3631R  | <a href="#">91035056</a> | Box Lug         |
| 200   | 600V AC        | 1               | Class H      | 9080FB1641   | <a href="#">92091458</a> | Box Lug         |
| 200   | 600V AC        | 3               | Class H      | 9080FB3641   | <a href="#">90095259</a> | Box Lug         |
| <b>600V - Miniature Fuse Dimension (<sup>13</sup>/<sub>32</sub> x 1<sup>1</sup>/<sub>2</sub> in.)**</b> |                |                 |              |              |                          |                 |
| 30  | 600V AC        | 1               | Type CC*     | 9080FB1611CC | <a href="#">92091453</a> | Thermoplastic   |
| 30  | 600V AC        | 2               | Type CC*     | 9080FB2611CC | <a href="#">92091451</a> | Thermoplastic   |
| 30  | 600V AC        | 3               | Type CC*     | 9080FB3611CC | <a href="#">93169136</a> | Thermoplastic   |
| 30  | 600V AC        | 1               | Type M       | 9080FB1611M  | <a href="#">91024353</a> | Thermoplastic   |
| 30  | 600V AC        | 2               | Type M       | 9080FB2611M  | <a href="#">90095263</a> | Thermoplastic   |
| <b>600V - Class H Only - (Copper Only)</b>  |                |                 |              |              |                          |                 |
| 60  | 600V AC        | 1               | Class H      | 9080FB1621C  | <a href="#">92091456</a> | Phenolic        |
| 60  | 600V AC        | 2               | Class H      | 9080FB2621C  | <a href="#">92091454</a> | Phenolic        |
| 60  | 600V AC        | 3               | Class H      | 9080FB3621C  | <a href="#">91034038</a> | Phenolic        |
| 100   | 600V AC        | 3               | Class H      | 9080FB3631C  | <a href="#">91034039</a> | Phenolic        |
| 200   | 600V AC        | 1               | Class H      | 9080FB1641C  | <a href="#">92091459</a> | Polyester       |
| 200   | 600V AC        | 3               | Class H      | 9080FB3641C  | <a href="#">95041986</a> | Polyester       |
| <b>600V - Class J</b>   |                |                 |              |              |                          |                 |
| 30‡   | 600V AC        | 1               | Class J      | 9080FB1611J  | <a href="#">95042058</a> | Phenolic        |
| 30‡   | 600V AC        | 2               | Class J      | 9080FB2611J  | <a href="#">94067227</a> | Phenolic        |
| 30‡   | 600V AC        | 3               | Class J      | 9080FB3611J  | <a href="#">94067226</a> | Phenolic        |
| 60  | 600V AC        | 1               | Class J      | 9080FB1621J  | <a href="#">95042059</a> | Phenolic        |
| 60  | 600V AC        | 2               | Class J      | 9080FB2621J  | <a href="#">95042060</a> | Phenolic        |
| 60  | 600V AC        | 3               | Class J      | 9080FB3621J  | <a href="#">95042061</a> | Phenolic        |

\*Class R and CC fuseholders accept current limiting Class R & CC fuses only.

†Specified wire ranges are based on 75°C wire. Wires with temperature ratings other than 75°C are approved while observing NEC Article 310 wire tables for allowable ampacities of insulated conductors. Class R, J and CC fuse blocks are tested and approved for 200,000 AIC in accordance with UL 512.

‡Can be mounted directly to a panel or on 35 mm DIN 3 track.

\*\*FBDIN3 - 35 mm DIN 3 Track Adapter for 9080 FB\*211, FB\*211R, FB\*611M and FB\*611CC fuseholders.

## Safe-T-Grip® Fuse Puller

IDEAL INDUSTRIES, INC.

### Features

- No Slip Grip Handles



| Mfg. No. | Advanced ID              | Minimum Size                               | Maximum Size        | Amp Rating                          |
|----------|--------------------------|--|---------------------|-------------------------------------|
| 34-001   | <a href="#">88135133</a> | Fuse <sup>9</sup> / <sub>32</sub> in. Dia. | Fuse 1/2 in. Dia.   | Up to 30A/250V                      |
| 34-002   | <a href="#">88135134</a> | Fuse 1/2 in. Dia.                          | Fuse 1 in. Dia.     | Up to 100A/250V and 60A/600V        |
| 34-003   | <a href="#">88135135</a> | Fuse 3/4 in. Dia.                          | Fuse 2 1/2 in. Dia. | 31 to 600A/250V and 31 to 400A/600V |
| 34-015   | <a href="#">88135139</a> | Fuse 1/4 in. Dia.                          | Fuse 1/2 in. Dia.   | Up to 30A/250V                      |

### Fuse Accessories

Cooper Bussmann



NO.213-R



FP2



SSU

#### Benefits

- Permits Adapting Smaller Size Fuses to Existing Installations
- Increase Safety While Securely Gripping Fuses in Tight Surroundings
- Provide an Easy Way to Add Fuse Protection to Small Motors, Fit Standard Electrical Boxes
- Prevent Installing the Wrong Size Fuse
- Reduces Downtime by Keeping Spares on Hand

| Mfg. No.              | Advanced ID              | For Use With   | Features                             |
|-----------------------|--------------------------|--|--------------------------------------|
| <b>Fuse Reducers</b>  |                          |  |                                      |
| NO.213-R              | <a href="#">88052806</a> | Class R Dimension Fuses-FRN-R, LPN-RK, FRS-R, LPS-RK | Sold in Pairs                        |
| NO.216-R              | <a href="#">88052808</a> | Class R Dimension Fuses-FRN-R, LPN-RK, FRS-R, LPS-RK | Sold in Pairs                        |
| NO.2621-R             | <a href="#">88298374</a> | Class R Dimension Fuses-FRN-R, LPN-RK, FRS-R, LPS-RK | Sold in Pairs                        |
| NO.263                | <a href="#">88052811</a> | Class H and K Dimension Fuses-NON, REN-NOS, RES      | Sold in Pairs                        |
| NO.263-R              | <a href="#">88309427</a> | Class R Dimension Fuses-FRN-R, LPN-RK, FRS-R, LPS-RK | Sold in Pairs                        |
| NO.616-R              | <a href="#">88052819</a> | Class R Dimension Fuses-FRN-R, LPN-RK, FRS-R, LPS-RK | Sold in Pairs                        |
| NO.642-R              | <a href="#">92060912</a> | Class R Dimension Fuses-FRN-R, LPN-RK, FRS-R, LPS-RK | Sold in Pairs                        |
| NO.663                | <a href="#">88052821</a> | Class H and K Dimension Fuses-NON, REN-NOS, RES      | Sold in Pairs                        |
| NO.663-R              | <a href="#">88052822</a> | Class R Dimension Fuses-FRN-R, LPN-RK, FRS-R, LPS-RK | Sold in Pairs                        |
| <b>Fuse Puller</b>    |                          |  |                                      |
| FP2                   | <a href="#">88050633</a> | $\frac{13}{32}$ - $\frac{13}{16}$ in. Diameter Fuses |                                      |
| FP3                   | <a href="#">88050634</a> | 1 - $1\frac{3}{4}$ in. Diameter Fuses                |                                      |
| <b>Box-Cover Unit</b> |                          |  |                                      |
| SRU                   | <a href="#">88053628</a> | 2 $\frac{1}{4}$ in. Handy Box                        | One 125V AC Receptacle               |
| SSU                   | <a href="#">88053634</a> | 2 $\frac{1}{4}$ in. Handy Box                        | One Control Switch                   |
| SSY                   | <a href="#">88053637</a> | 4 in. Square Box                                     | One Control Switch                   |
| STY                   | <a href="#">88053640</a> | 4 in. Square Box                                     | Two Fuse Holders, One Control Switch |

### Dry Type 600 Volts and Below

### Single-Phase

### Class 7400

Square D®

Single-Phase - General Purpose Transformers.

General purpose standard transformers are intended for power, heating, lighting, and light-duty control applications. Contact your nearest Advanced location for voltages not listed below.

| kVA Rating  | Mfg. No. | Advanced ID              | Full Capacity Taps | Temperature Rise | Weight * | Enclosure Type |
|---|----------|--------------------------|--------------------|------------------|----------|----------------|
| <b>Single-Phase - 240 X 480V Primary 120/240V Secondary 60 Hz</b> |          |                          |                    |                  |          |                |
| <b>cULus Listed through 167 kVA</b>                               |          |                          |                    |                  |          |                |
| 0.05  | 50SV1A   | <a href="#">88252091</a> | None               | 55               | 4.2      | 1A             |
| 0.1   | 100SV1A  | <a href="#">88251947</a> | None               | 55               | 4.5      | 2A             |
| 0.15  | 150SV1A  | <a href="#">88251966</a> | None               | 55               | 6.2      | 3A             |
| 0.25  | 250SV1B  | <a href="#">88252010</a> | None               | 80               | 10.5     | 4A             |
| 0.5   | 500SV1B  | <a href="#">88252078</a> | None               | 80               | 13.8     | 5A             |
| 0.75  | 750SV1F  | <a href="#">88252104</a> | None               | 115              | 15.5     | 6A             |
| 1   | 1S1F     | <a href="#">88251998</a> | None               | 115              | 21.2     | 7A             |
| 1.5   | 1.5S1F   | <a href="#">95001380</a> | None               | 115              | 30.1     | 8A             |
| 2   | 2S1F     | <a href="#">88252024</a> | None               | 115              | 39.1     | 9A             |
| 3   | 3S1F     | <a href="#">88252054</a> | None               | 115              | 60       | 10A            |
| 5   | 5S1F     | <a href="#">88252092</a> | None               | 115              | 115      | 13B            |
| 7.5   | 7S1F     | <a href="#">88252125</a> | None               | 115              | 135      | 13B            |
| 10  | 10S1F    | <a href="#">88251948</a> | None               | 115              | 165      | 13B            |
| 15  | 15S1F    | <a href="#">95001380</a> | None               | 115              | 225      | 15B            |
| 15  | 15S1H    | <a href="#">88251976</a> | None               | 150              | 200      | 17D            |
| 25  | 25S3H    | <a href="#">88252013</a> | 6-2.5%2+4-†        | 150              | 245      | 17D            |
| 37.5  | 37S3H    | <a href="#">88252048</a> | 6-2.5%2+4-†        | 150              | 325      | 18D            |
| 50  | 50S3H    | <a href="#">88252085</a> | 6-2.5%2+4-†        | 150              | 350      | 18D            |
| 75  | 75S3H    | <a href="#">88252109</a> | 6-2.5%2+4-†        | 150              | 450      | 21D            |
| 100   | 100S3H   | <a href="#">88251941</a> | 6-2.5%2+4-†        | 150              | 640      | 22D            |
| 167   | 167S3H   | <a href="#">88251996</a> | 6-2.5%2+4-†        | 150              | 975      | 24D            |
| 250   | 250S3H   | <a href="#">22117198</a> | 6-2.5%2+4-†        | 150              | 1535     | 25D            |

\*In Pounds. Not for construction.

†When 240V connection is used, there will be 3-5% taps, 1 above and 2 below 240V.



### Dry Type 600 Volts and Below

#### Three-Phase

#### Class 7400

Square D®

Three-Phase - General Purpose Transformers.

General purpose standard transformers are intended for power, heating, and lighting applications. Contact your nearest Advanced location for voltages not listed below. Lugs not included. Taps on transformers 225 kVA and larger may vary in 3% to 5% steps to obtain best design.

| kVA Rating  | Mfg. No. | Advanced ID              | Full Capacity Taps | Temperature Rise | Weight * | Enclosure Type |
|---|----------|--------------------------|--------------------|------------------|----------|----------------|
| <b>Three-Phase - 480V Delta Primary 208Y/120V Secondary 60 Hz</b> |          |                          |                    |                  |          |                |
| <b>cULus Listed</b>   |          |                          |                    |                  |          |                |
| 15  | 15T3H    | <a href="#">88251987</a> | 6-2.5%2+4-         | 150              | 200      | 17D            |
| 30  | 30T3H    | <a href="#">88252037</a> | 6-2.5%2+4-         | 150              | 250      | 17D            |
| 45  | 45T3H    | <a href="#">88252066</a> | 6-2.5%2+4-         | 150              | 340      | 18D            |
| 75  | 75T3H    | <a href="#">88252115</a> | 6-2.5%2+4-         | 150              | 500      | 19D            |
| 112.5   | 112T3H   | <a href="#">88251957</a> | 6-2.5%2+4-         | 150              | 750      | 21D            |
| 150   | 150T3H   | <a href="#">88251967</a> | 6-2.5%2+4-         | 150              | 800      | 22D            |
| 225   | 225T3H   | <a href="#">88252001</a> | 6-2.5%2+4-         | 150              | 1025     | 24D            |
| 300   | 300T3H   | <a href="#">88252031</a> | 6-2.5%2+4-         | 150              | 1450     | 25D            |
| 500   | 500T68H  | <a href="#">88252082</a> | 4-2.5%2+2-         | 150              | 2460     | 30D            |
| 750   | 750T68H  | <a href="#">25050906</a> | 4-2.5%2+2-         | 150              | 3950     | 31D            |
| 1000  | 1000T77H | <a href="#">99880592</a> | 2-5%1+1-           | 150              | 6300     | 33F            |

#### Three Phase - 480V Delta Primary 240V Delta Secondary 60 Hz

**UL Listed**

|       |          |                          |            |     |      |     |
|-------|----------|--------------------------|------------|-----|------|-----|
| 15    | 15T6H    | <a href="#">88251991</a> | 6-2.5%2+4- | 150 | 200  | 17D |
| 30    | 30T6H    | <a href="#">88252042</a> | 6-2.5%2+4- | 150 | 250  | 17D |
| 45    | 45T6H    | <a href="#">88252071</a> | 6-2.5%2+4- | 150 | 340  | 18D |
| 75    | 75T6H    | <a href="#">88252120</a> | 6-2.5%2+4- | 150 | 500  | 19D |
| 112.5 | 112T6H   | <a href="#">88251961</a> | 6-2.5%2+4- | 150 | 750  | 21D |
| 150   | 150T6H   | <a href="#">88251971</a> | 6-2.5%2+4- | 150 | 800  | 22D |
| 225   | 225T6H   | <a href="#">88252005</a> | 6-2.5%2+4- | 150 | 1025 | 24D |
| 300   | 300T6H   | <a href="#">88252034</a> | 6-2.5%2+4- | 150 | 1450 | 25D |
| 500   | 500T63H  | <a href="#">88252081</a> | 4-2.5%2+2- | 150 | 2100 | 30D |
| 750   | 750T63H  | <a href="#">99881018</a> | 4-2.5%2+2- | 150 | 3950 | 31D |
| 1000  | 1000T78H | <a href="#">99880601</a> | 2-5%1+1-   | 150 | 6000 | 33F |

\*In Pounds. Not for construction.

### Dry Type 600 Volts and Below

#### Type EE Energy Efficient

#### Single-Phase, Class 7400

Square D®

The Environmental Protection Agency (EPA) has determined 61 billion kWh of electricity is wasted each year in transformer losses. Square D offers a complete line of transformers that can significantly reduce energy losses.

Surveys have shown the 24-hour average loading of low voltage dry type transformers in the United States is approximately 35% of nameplate rating. The Type EE Energy Efficient Transformers are optimized for maximum efficiency at these most common loading levels.

#### Benefits

- Comply with NEMA standard TP-1 for Optimum Energy Efficiency at 35% Level
- Labeled for EPA Energy Star Program
- More Efficient than Standard 150°C Rise Transformers at All Load Levels
- Identical Dimensions to Standard, 150°C Rise General Purpose Transformers
- Cost Optimized to Allow Energy Savings Payback to Owner in Average 3-5 Year Period Based on Energy Rate of \$0.065 per KWH

| kVA Rating  | Mfg. No. ‡ | Advanced ID     | Full Capacity Taps | Temperature Rise | Weight * | Enclosure Type |
|---|------------|-----------------|--------------------|------------------|----------|----------------|
| <b>Single Phase - 240 X 480V Primary 120/240V Secondary 60 Hz</b> |            |                 |                    |                  |          |                |
| <b>cULus Listed</b>   |            |                 |                    |                  |          |                |
| 15  | 15S1HEE    | <b>99457017</b> | None               | 150              | 190      | 17D            |
| 25  | 25S3HEE    | <b>99456865</b> | 6-2.5%2+4-†        | 150              | 270      | 17D            |
| 37.5  | 37S3HEE    | <b>99457020</b> | 6-2.5%2+4-†        | 150              | 340      | 18D            |
| 50  | 50S3HEE    | <b>99456868</b> | 6-2.5%2+4-†        | 150              | 395      | 18D            |
| 75  | 75S3HEE    | <b>99457022</b> | 6-2.5%2+4-†        | 150              | 575      | 21D            |

\*In Pounds. Not for construction.

†When 240V connection is used, there will be 3-5% taps, 1 above and 2 below 240V.

‡Available with copper windings. Add suffix CU after H to complete catalog number and order using Mfg. No. Example 15T3HCUEE.

### Dry Type 600 Volts and Below

#### Type EE Energy Efficient

#### Three-Phase, Class 7400

Square D®

#### Benefits

- Comply with NEMA Standard TP-1 for Optimum Energy Efficiency at 35% Level
- Labeled for EPA Energy Star Program
- More Efficient than Standard 150°C Rise Transformers at All Load Levels
- Identical Dimensions to Standard, 150°C Rise General Purpose Transformers
- Cost Optimized to Allow Energy Savings Payback to Owner in Average 3-5 Year Period Based on Energy Rate of \$0.065 per KWH

| kVA Rating  | Mfg. No. ‡ | Advanced ID     | Full Capacity Taps | Temperature Rise | Weight * | Enclosure Type |
|---|------------|-----------------|--------------------|------------------|----------|----------------|
| <b>Three Phase - 480V Delta Primary 208Y/120V Secondary 60 Hz</b> |            |                 |                    |                  |          |                |
| <b>cULus Listed</b>   |            |                 |                    |                  |          |                |
| 15  | EE15T3H    | <b>25061995</b> | 6-2.5%2 + 4-       | 150              | 218      | 17D            |
| 30  | EE30T3H    | <b>25061996</b> | 6-2.5%2 + 4-       | 150              | 266      | 17D            |
| 45  | EE45T3H    | <b>25061998</b> | 6-2.5%2 + 4-       | 150              | 382      | 18D            |
| 75  | EE75T3H    | <b>25061999</b> | 6-2.5%2 + 4-       | 150              | 546      | 19D            |
| 112.5   | EE112T3H   | <b>25062000</b> | 6-2.5%2 + 4-       | 150              | 657      | 21D            |
| 150   | EE150T3H   | <b>25062001</b> | 6-2.5%2 + 4-       | 150              | 816      | 22D            |
| 225   | EE225T3H   | <b>25062002</b> | 6-2.5%2 + 4-       | 150              | 1162     | 24D            |
| 300   | EE300T3H   | <b>25062003</b> | 6-2.5%2 + 4-       | 150              | 1646     | 25D            |
| 500   | EE500T68H  | <b>25062004</b> | 6-2.5%2 + 4-       | 150              | 2170     | 30D            |
| 750   | EE750T68H  | <b>25062005</b> | 6-2.5%2 + 4-       | 150              | 3850     | 31D            |

\*In Pounds. Not for construction.

‡Available with copper windings. Add suffix CU after H to complete catalog number and order using Mfg. No. Example 15T3HCUEE.

### Dry Type 600 Volts and Below

#### Type Buck and Boost

#### Single-Phase

#### Class 7400

Square D®

Buck and Boost transformers are isolating transformers that have 120 X 240 volt primaries and either 12/24 or 16/32 volt secondaries. When used as isolating transformers they carry the full load stated on the nameplate. By special interconnection of the windings, an autotransformer is obtained. When used this way for bucking or boosting small voltage changes, the kVA load they carry is large compared to their physical size.

NOTE: When used to supply a 3-phase, 4-wire load, the source must be 3-phase, 4-wire.

| kVA Rating                                   | Mfg. No. | Advanced ID              | Full Capacity Taps | Temperature Rise | Weight * | Enclosure Type |
|--|----------|--------------------------|--------------------|------------------|----------|----------------|
| <b>Single-Phase 120 X 240V Primary 60 Hz</b> |          |                          |                    |                  |          |                |
| <b>UL/cULus Listed. Copper Windings.</b>     |          |                          |                    |                  |          |                |
| <b>12/24V Secondary</b>                      |          |                          |                    |                  |          |                |
| 0.05   | 50SV43A  | <a href="#">93176973</a> | -                  | 55               | 4.2      | 1A             |
| 0.1  | 100SV43A | <a href="#">93171260</a> | -                  | 55               | 4.5      | 2A             |
| 0.15   | 150SV43A | <a href="#">93173724</a> | -                  | 55               | 6.2      | 3A             |
| 0.25   | 250SV43B | <a href="#">90064057</a> | -                  | 80               | 10.5     | 4A             |
| 0.5  | 500SV43B | <a href="#">96078182</a> | -                  | 80               | 13.8     | 5A             |
| 0.75   | 750SV43F | <a href="#">88252105</a> | -                  | 115              | 15.5     | 6A             |
| 1  | 1S43F    | <a href="#">88251999</a> | -                  | 115              | 21.2     | 7A             |
| 1.5  | 1.5S43F  | <a href="#">88251933</a> | -                  | 115              | 30.1     | 8A             |
| 2  | 2S43F    | <a href="#">88252025</a> | -                  | 115              | 39.1     | 9A             |
| 3  | 3S43F    | <a href="#">88252056</a> | -                  | 115              | 60       | †              |
| <b>16/32V Secondary</b>                      |          |                          |                    |                  |          |                |
| 0.05   | 50SV46A  | <a href="#">95041857</a> | -                  | 55               | 4.2      | 1A             |
| 0.1  | 100SV46A | <a href="#">95041858</a> | -                  | 55               | 4.5      | 2A             |
| 0.15   | 150SV46A | <a href="#">95041859</a> | -                  | 55               | 6.2      | 3A             |
| 0.25   | 250SV46B | <a href="#">97121996</a> | -                  | 80               | 10.5     | 4A             |
| 0.5  | 500SV46B | <a href="#">97119256</a> | -                  | 80               | 13.8     | 5A             |
| 0.75   | 750SV46F | <a href="#">88252106</a> | -                  | 115              | 15.5     | 6A             |
| 1  | 1S46F    | <a href="#">88252000</a> | -                  | 115              | 21.2     | 7A             |
| 1.5  | 1.5S46F  | <a href="#">88251934</a> | -                  | 115              | 30.1     | 8A             |
| 2  | 2S46F    | <a href="#">88252026</a> | -                  | 115              | 39.1     | 9A             |
| 3  | 3S46F    | <a href="#">88252057</a> | -                  | 115              | 60       | †              |

\*In Pounds. Not for construction.

†Dimensions: 14.5H x 8.6W x 6.5D in.

**Dry Type 600 Volts and Below  
Enclosures  
Class 7400**

Square D®



Style A - NEMA Type 3R Rated



Style B - NEMA Type 3R Rated



Style C - NEMA Type 3R Rated



Style D - NEMA Type 2 Rated  
Converts to NEMA Type 3R with Weathershield



Style E - IP55 Rated



Style F - NEMA Type 1 Rated

Table 1: Enclosure Dimensions and Accessories

| Enclosure Number/Style |   | Height |      | Width |      | Depth |      | Mtg.  | Weathershield | Wall Mounting Bracket | Ceiling Mounting Bracket | Insulation Class °C |
|------------------------|---|--------|------|-------|------|-------|------|-------|---------------|-----------------------|--------------------------|---------------------|
|                        |   | IN     | mm   | IN    | mm   | IN    | mm   |       |               |                       |                          |                     |
| 1                      | A | 5      | 127  | 4.47  | 114  | 3.44  | 87   | Wall  | Note 2        | Note 3                | —                        | 105                 |
| 2                      | A | 5.5    | 140  | 4.47  | 114  | 3.44  | 87   | Wall  | Note 2        | Note 3                | —                        | 105                 |
| 3                      | A | 5.5    | 127  | 4.85  | 123  | 3.75  | 95   | Wall  | Note 2        | Note 3                | —                        | 105                 |
| 4                      | A | 5.5    | 140  | 5.23  | 133  | 4.06  | 103  | Wall  | Note 2        | Note 3                | —                        | 130                 |
| 5                      | A | 6.19   | 157  | 6.19  | 157  | 4.69  | 119  | Wall  | Note 2        | Note 3                | —                        | 130                 |
| 6                      | A | 6.69   | 170  | 6.19  | 157  | 4.69  | 119  | Wall  | Note 2        | Note 3                | —                        | 180                 |
| 7                      | A | 8.13   | 270  | 6.94  | 176  | 5.31  | 135  | Wall  | Note 2        | Note 3                | —                        | 180                 |
| 8                      | A | 8.25   | 210  | 8.68  | 220  | 6.56  | 167  | Wall  | Note 2        | Note 3                | —                        | 180                 |
| 9                      | A | 9.56   | 243  | 8.68  | 220  | 6.56  | 167  | Wall  | Note 2        | Note 3                | —                        | 180                 |
| 10                     | A | 10.5   | 267  | 8.62  | 219  | 6.5   | 165  | Wall  | Note 2        | Note 3                | —                        | 180                 |
| 11                     | A | 12.56  | 319  | 8.62  | 219  | 6.5   | 165  | Wall  | Note 2        | Note 3                | —                        | 180                 |
| 12                     | C | 13.5   | 343  | 14.75 | 375  | 9     | 229  | Wall  | Note 2        | Note 3                | —                        | 180                 |
| 13                     | B | 14.75  | 375  | 9.75  | 248  | 11.75 | 298  | Wall  | Note 2        | Note 3                | —                        | 180                 |
| 14                     | C | 14.75  | 375  | 19.1  | 485  | 12.25 | 311  | Wall  | Note 2        | Note 3                | —                        | 180                 |
| 15                     | B | 20     | 508  | 15    | 381  | 13.5  | 343  | Wall  | Note 2        | Note 3                | —                        | 180                 |
| 16                     | C | 22     | 559  | 25    | 635  | 13.5  | 343  | Wall  | Note 2        | Note 3                | —                        | 180                 |
| 17                     | D | 27     | 686  | 20    | 508  | 16    | 406  | Floor | WS363         | WMB361-362            | CMB363                   | 220                 |
|                        | E | 27     | 686  | 20    | 508  | 16    | 406  | Floor | Note 5        | WMB361-362            | CMB363                   | 220                 |
| 18                     | D | 30     | 762  | 20    | 508  | 20    | 508  | Floor | WS363         | WMB363-364            | CMB363                   | 220                 |
|                        | E | 30     | 762  | 20    | 508  | 20    | 508  | Floor | Note 5        | WMB363-364            | CMB363                   | 220                 |
| 19                     | D | 30     | 762  | 30    | 762  | 20    | 508  | Floor | WS364         | WMB363-364            | CMB364                   | 220                 |
|                        | E | 30     | 762  | 30    | 762  | 20    | 508  | Floor | Note 5        | WMB363-364            | CMB364                   | 220                 |
| 20                     | D | 37     | 940  | 30    | 762  | 20    | 508  | Floor | WS364         | WMB363-364            | CMB364                   | 220                 |
|                        | E | 37     | 940  | 30    | 762  | 20    | 508  | Floor | Note 5        | WMB363-364            | CMB364                   | 220                 |
| 21                     | D | 37     | 940  | 30    | 762  | 24    | 610  | Floor | WS364         | N/A                   | CMB364                   | 220                 |
|                        | E | 37     | 940  | 30    | 762  | 24    | 610  | Floor | Note 5        | N/A                   | CMB364                   | 220                 |
| 22                     | D | 43.75  | 1111 | 32    | 813  | 27    | 686  | Floor | WS380         | N/A                   | CMB380                   | 220                 |
|                        | E | 43.75  | 1111 | 32    | 813  | 27    | 686  | Floor | Note 5        | N/A                   | CMB380                   | 220                 |
| 23                     | E | 48     | 1219 | 48    | 1219 | 29.5  | 749  | Floor | Note 5        | N/A                   | N/A                      | 220                 |
| 24                     | D | 49.5   | 1257 | 35    | 889  | 28.5  | 724  | Floor | WS381         | N/A                   | CMB381                   | 220                 |
|                        | E | 49.5   | 1257 | 35    | 889  | 28.5  | 724  | Floor | Note 5        | N/A                   | CMB381                   | 220                 |
| 25                     | D | 49.5   | 1257 | 41    | 1041 | 32    | 813  | Floor | WS382         | N/A                   | N/A                      | 220                 |
|                        | E | 49.5   | 1257 | 41    | 1041 | 32    | 813  | Floor | Note 5        | N/A                   | N/A                      | 220                 |
| 26                     | D | 57.5   | 1461 | 41    | 1041 | 32    | 813  | Floor | WS382         | N/A                   | N/A                      | 220                 |
| 28                     | D | 60     | 1524 | 56    | 1422 | 36    | 914  | Floor | WS370A        | N/A                   | N/A                      | 220                 |
|                        | E | 60     | 1524 | 56    | 1422 | 36    | 914  | Floor | Note 5        | N/A                   | N/A                      | 220                 |
| 29                     | D | 68     | 1727 | 56    | 1422 | 36    | 914  | Floor | WS370A        | N/A                   | N/A                      | 220                 |
| 30                     | D | 71     | 1803 | 48    | 1219 | 36    | 914  | Floor | WS383         | N/A                   | N/A                      | 220                 |
| 31                     | D | 74     | 1880 | 56    | 1422 | 40.5  | 1029 | Floor | WS384         | N/A                   | N/A                      | 220                 |
| 31                     | E | 60     | 1524 | 56    | 1422 | 36    | 914  | Floor | Note 5        | N/A                   | N/A                      | 220                 |
| 32                     | F | 91.5   | 2388 | 56    | 1422 | 54    | 1372 | Floor | Note 4        | N/A                   | N/A                      | 220                 |
| 33                     | F | 94     | 2388 | 72    | 1829 | 54    | 1372 | Floor | Note 4        | N/A                   | N/A                      | 220                 |
| 34                     | F | 94     | 2388 | 84    | 2134 | 54    | 1372 | Floor | Note 4        | N/A                   | N/A                      | 220                 |
| 35                     | F | 94     | 2388 | 96    | 2438 | 54    | 1372 | Floor | Note 4        | N/A                   | N/A                      | 220                 |

**Note 1:** These dimensions are not for construction.  
**Note 2:** Transformer is NEMA Type 3R Standard. Weathershield not required for outdoor use.  
**Note 3:** Wall mounting brackets are a standard part of transformer enclosure. Accessory not required.  
**Note 4:** Special outdoor construction required for NEMA Type 3R applications.  
**Note 5:** Indoor/outdoor enclosure standard. Weathershield not required.  
**N/A:** Wall mounting/ceiling mounting bracket not available due to weight of these parts.

### Fans

|                           |       |
|---------------------------|-------|
| Ceiling, Industrial ..... | 8-2   |
| Exhaust .....             | 8-1   |
| Pedestal .....            | 8-2   |
| Residential .....         | 8-3-4 |
| Whole House .....         | 8-1   |

### Heaters

|                   |         |
|-------------------|---------|
| Accessories ..... | 8-5,8   |
| Baseboard .....   | 8-4     |
| Portable .....    | 8-5,7   |
| Radiant .....     | 8-5-6   |
| Thermostats ..... | 8-9     |
| Unit .....        | 8-6,8-9 |
| Wall .....        | 8-7     |

### Timers

|                     |     |
|---------------------|-----|
| Auto Shut-Off ..... | 8-2 |
|---------------------|-----|

### Direct Drive Portable Blowers

TPI Corporation

#### Benefits

- Meets OSHA Standards
- 1 Year Limited Warranty
- UL/C-UL Listed
- Handle for Mobility

#### Features

- MOTOR: 2-Speed on 36 in. Model, 1-Speed on 42 in. Model, Permanently Lubricated Ball Bearings, Single-Phase, 120V, 1050RPM
- SWITCH: Rocker
- CORD: SJT Type 3 Conductor, 15 ft. Long
- BLADES: Steel
- GUARDS: Spiral Wire - Front and Rear
- Powder Coated 20 ga. Steel Housing
- 8 in. Hard Rubber Wheels
- 120V
- Open Drip Proof
- Single-Phase



| Mfg. No. | Advanced ID              | CFM   | Motor | Dimensions        | Blade Diameter |
|----------|--------------------------|-------|-------|-------------------|----------------|
| PB 36-D  | <a href="#">22040787</a> | 12500 | 1/3HP | 40L x 21W x 41H   | 36 in.         |
| PB 42-D  | <a href="#">22040976</a> | 15600 | 1/2HP | 46.5L x 22W x 48H | 42 in.         |

### Mini-Blowers

TPI Corporation

#### Benefits

- Meets OSHA Standards
- 1 Year Limited Warranty
- UL/C-UL Listed

#### Features

- MOTOR: 2-speed, 1/4 hp, Single-Phase, 120V, Ball Bearing, Permanently Lubricated, Totally Enclosed, Permanent Split Capacitor
- SWITCH: Rotary
- BLADES: Aluminum
- CORD: SJT Type 3 Conductor, 10 ft. Long
- GUARDS: Spiral Wire - Front and Rear
- Powder Coated 20 ga. Steel Housing



| Mfg. No. | Advanced ID              | CFM         | Motor | Dimensions          | Blade Diameter |
|----------|--------------------------|-------------|-------|---------------------|----------------|
| MB 24-DF | <a href="#">22040899</a> | 6800 / 5000 | 1/4HP | 30L x 16.75W x 37H  | 24 in.         |
| MB 30-DF | <a href="#">22040927</a> | 7800 / 6000 | 1/4HP | 36L x 16.5W x 41.5H | 30 in.         |

### Shutter Mounted Exhaust Fans

TPI Corporation

Guarded direct drive exhaust fan with shutter mount.

#### Benefits

- Meets OSHA Standards
- 1 Year Limited Warranty
- Eliminates Need for External Framing and Shutter
- Installs on Inside Walls

#### Features

- MOTOR: Direct Drive, 120V, Single-Phase, Totally Enclosed, UL Listed
- BLADE: Aluminum
- GUARDS: Steel Spiral Wire
- CORD: None-Junction Box Provided for Direct Wiring
- SWITCH: Pull Chain



| Mfg. No. | Advanced ID              | CFM                | Motor  | Dimensions      | Blade Diameter |
|----------|--------------------------|--------------------|--------|-----------------|----------------|
| CE 12-DS | <a href="#">22040911</a> | 2750 / 2200 / 1600 | 1/12HP | 15.13W x 15.13L | 12 in.         |
| CE 18-DS | <a href="#">22040912</a> | 5750 / 4700 / 3200 | 1/8HP  | 21.13W x 21.13L | 18 in.         |
| CE 24-DS | <a href="#">22040913</a> | 6800 / 5000        | 1/4HP  | 27.13W x 27.13L | 24 in.         |

### Attic Fans

TPI Corporation

#### Benefits

- No Joist Cut Shutter Design Included
- Does Not Require Removal of Joist Section for Installation

#### Features

- Belt Drive Fan Motor; 2-speed, 1/3 hp, Single-Phase, 120V
- Three Blade Sizes - 24, 30, & 36 in.
- Shutter Automatically Opens When Fan is Turned on and Closes Tightly When Fan is Turned Off



| Mfg. No.   | Advanced ID              | Diameter            | CFM         | Blade Diameter |
|------------|--------------------------|---------------------|-------------|----------------|
| BD24-2-WHS | <a href="#">22040717</a> | 28L x 29.5W x 14.5D | 4500 / 2700 | 24 in.         |
| BD30-2-WHS | <a href="#">22040718</a> | 34L x 35.5W x 14.5D | 7600 / 5800 | 30 in.         |
| BD36-2-WHS | <a href="#">22040719</a> | 40L x 41.5W x 14.5D | 9675 / 6400 | 36 in.         |



### Industrial Floor & Work Station Fans

TPI Corporation



Floor Stand High



Work Station

Industrial grade 12 & 18 in. portable fans.

#### Benefits

- Meets OSHA Standards
- 1 Year Limited Warranty
- UL/C-UL Listed

#### Features

- MOTOR: 3-Speed, Single-Phase, 120V, Sleeve Bearing Permanently Lubricated
- SWITCH: Rotary
- CORD: SJT Type 3 Conductor, 10 ft. Long
- GUARDS: Double Locking Chrome Plated
- BLADE: Steel Hub/Spider Aluminum Paddles

| Mfg. No. | Advanced ID              | Blade Diameter | Type             |
|----------|--------------------------|----------------|------------------|
| F-18H-TE | <a href="#">22040810</a> | 18 in.         | Floor Stand High |
| F-12-TE  | <a href="#">22040910</a> | 12 in.         | Floor Stand      |
| F-18-TE  | <a href="#">99485180</a> | 18 in.         | Floor Stand      |
| U-12-TE  | <a href="#">22040909</a> | 12 in.         | Work Station     |
| U-18-TE  | <a href="#">22040809</a> | 18 in.         | Work Station     |

### Industrial Ceiling Fans

TPI Corporation

Three product grades: commercial, industrial and heavy duty.

#### Benefits

- UL Listed
- 18 in. Lead Wires
- 1 Year Warranty
- Fully Assembled Except Blade Bolt Down
- 3 or 6 Year Warranty Available

#### Features

- All Metal Construction
- White Epoxy Finish
- Aluminum Paddles
- 18 in. Down Rod with Safety Cable
- Mounts to 3/8 Diameter Steel J-Hook
- 18-Pole, 115V, Single-Phase, Capacitor Type, Impedance
- Protected Motor with Sealed Ball Bearings
- 3 Conductor Cord, with Plug
- Size - 56 in.



| Mfg. No.  | Advanced ID              | Description      | CFM   |
|-----------|--------------------------|------------------|-------|
| CHR-56    | <a href="#">22040808</a> | Commercial Grade | 19000 |
| IHR-56    | <a href="#">22040807</a> | Industrial Grade | 21000 |
| HDHR-56WR | <a href="#">25014388</a> | Heavy Duty Grade | 27500 |

### Automatic Shut-Off Timers

Intermatic, Inc.



FD Series



FF Series

Energy saving timers use no electricity to operate. Designed to replace a standard wall switch, single or multi-gang, and automatically limit the "ON" time of fans, lights, motors, heaters, and other energy consuming loads.

#### Features

- Time Limits of 5, 15, 30, and 60 Min. and 2, 4, 6 and 12 Hr.
- The "Hold Feature" Allows the User to Override the Automatic Shut-Off
- Motor HP Rating: 1 hp @ 125V AC, 2 hp @ 250V AC
- Contact Rating: 20A @ 125V AC, 10A @ 125V AC, 10A @ 277V AC, 7A @ 125V AC Tungsten

| Mfg. No. | Advanced ID              | Type       | Time Range | Color       |
|----------|--------------------------|------------|------------|-------------|
| FD15MC   | <a href="#">91003036</a> | Decorator  | 15 min     | Ivory       |
| FD30MC   | <a href="#">91003037</a> | Decorator  | 30 min     | Ivory       |
| FD30MWC  | <a href="#">92094251</a> | Decorator  | 30 min     | White       |
| FD60MWC  | <a href="#">92094252</a> | Decorator  | 60 min     | White       |
| FF12HC   | <a href="#">92094247</a> | Commercial | 12 hr.     | Brush Metal |
| FF15MC   | <a href="#">88318520</a> | Commercial | 15 min     | Brush Metal |

### Ventilating Fans

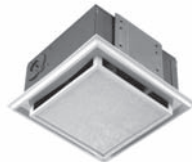
Broan-Nutone, LLC



502, 503, 505, 509



676, 684



682



QTXE050, QTXE080, QTXE110, QTXE150

As the residential ventilation leader, Broan-Nutone, LLC offers the widest range of intermittent ventilation products available. Many are industry innovations you won't find anywhere else. And all are designed and manufactured to Broan-NuTone's demanding quality standards, so you can count on them for easy installation, trouble-free operation and extended life.

#### Benefits

- Protects Against Mold, Mildew, Peeling Paint and Wall Paper Peeling, Ruined Insulation and Wood Rot

#### Features

- Powerfully Exhausts Moisture and Excess Humidity from Living Spaces
- Utility Ventilators - Powerful, Permanently Lubricated Motor, Rugged Steel Housing, Low-Profile Grille and Built-In Backdraft Damper
- Deluxe Fans - Durable Blower Wheel, Torsion Spring Grille Mounting, Compact Housing and Double Strength Steel Mounting Flanges
- Premium Fans - Centrifugal Blower Wheel, 4-Pole Motor and Torsion Spring Grille Mounting
- Duct-Free Fans - Compact Housing
- Economy Fans- Compact Housing and Torsion Spring Grille Mounting
- QT Series Bath Fans - Stylish Grille Design, New Housing, Wheel and Motor Design Deliver Better Airflow Even in Difficult Installations

| Mfg. No.                   | Advanced ID              | Features  | Brand or Series     | CFM     | Amps |
|----------------------------|--------------------------|---|---------------------|---------|------|
| <b>Utility Ventilators</b> |                          |   |                     |         |      |
| 502                        | <a href="#">88043690</a> | 10 in. Side Discharge, 8.0 Sones  | Utility Ventilators | 270 CFM | 1.7  |
| 503                        | <a href="#">88043691</a> | 8 in. Side Discharge, 5.0 Sones   | Utility Ventilators | 160 CFM | 1.8  |
| 505                        | <a href="#">88043693</a> | 8 in. Vertical Discharge, 6.5 Sones   | Utility Ventilators | 180 CFM | 1.5  |
| 509                        | <a href="#">88043697</a> | 8 in. Through Wall, 6.5 Sones   | Utility Ventilators | 180 CFM | 1.5  |
| <b>Deluxe Fans</b>         |                          |   |                     |         |      |
| 671                        | <a href="#">88043734</a> | Durable blower wheel, torsion spring grille mounting, compact housing, double strength steel mounting flanges, project packs and metal grille kits available. | Deluxe Fans         | 70 CFM  | 1.2  |
| <b>Premium Fans</b>        |                          |   |                     |         |      |
| 676                        | <a href="#">88043737</a> | Centrifugal Blower Wheel, 4-Pole Motor, Torsion Spring Grille Mounting, Project Packs Available, Metal Grille Kits Available. 4.0 Sones                       | Premium Fans        | 110 CFM | 1.3  |
| 684                        | <a href="#">88043745</a> | Same as 676 Features, Except 2.5 Sones  | Premium Fans        | 80 CFM  | 0.5  |
| <b>Duct Free Fans</b>      |                          |   |                     |         |      |
| 682                        | <a href="#">90003451</a> | Compact Housing   | Duct-Free Fans      | -       | 1    |
| <b>Economy Fans</b>        |                          |   |                     |         |      |
| 688                        | <a href="#">88043752</a> | -   | Economy Fans        | 50 CFM  | 0.7  |
| <b>QT Series Bath Fans</b> |                          |   |                     |         |      |
| QTXE050                    | <a href="#">22122931</a> | 6 in. Ducting, Nightlight Available, 1.4 Sones  | QT Series Bath Fans | 50 CFM  | 0.3  |
| QTXE080                    | <a href="#">22122932</a> | Same Features as QTXE050, Except 0.3 Sones  | QT Series Bath Fans | 80 CFM  | 0.4  |
| QTXE110                    | <a href="#">22122934</a> | Same Features as QTXE050, Except 0.9 Sones  | QT Series Bath Fans | 110 CFM | 0.3  |
| QTXE150                    | <a href="#">22122936</a> | Same Features as QTXE050  | QT Series Bath Fans | 150 CFM | 0.5  |

### Combination Ventilators

Broan-Nutone, LLC



162



164



658, 655



QTXE080FL, QTXE110FL, QTXE150FL



QTX110HL

#### Benefits

- Heater Units Adds Comforting Warmth in Seconds
- Energy Efficiency Achieved by Turning Down the Central Thermostat for Heat
- Lighting Diffused Evenly by a Shatter Resistant Lens
- Prevents Damaging Mold and Mildew
- Bathroom Stays Cleaner and Fresher

#### Features

- Fan, Light, or Heat all in One Unit
- Fan Forced Heat
- Incandescent or Fluorescent Lighting
- High Performance Fans Quietly Remove Moisture and Odors

| Mfg. No.  | Advanced ID     | Type                                    | CFM |
|-----------|-----------------|---|-----|
| 162       | <b>88043516</b> | One-Bulb Heater/Fan Combination         | 70  |
| 164       | <b>88043520</b> | Two-Bulb Heater/Fan Combination         | 70  |
| 655       | <b>88043720</b> | Heater/Fan/Light Combination            | 70  |
| 658       | <b>88043726</b> | Heater/Fan Combination                  | 70  |
| 678       | <b>88043740</b> | Ventilator Fan Light Combination        | 50  |
| 679       | <b>88043742</b> | Ventilator Fan Light Combination        | 70  |
| QTXE080FL | <b>22122933</b> | Fan/Light/Nightlight Combination        | 80  |
| QTXE110FL | <b>22122935</b> | Fan/Light/Nightlight Combination        | 110 |
| QTXE150FL | <b>22122937</b> | Fan/Light/Nightlight Combination        | 150 |
| QTX110HL  | <b>22122950</b> | Heater/Fan/Light/Nightlight Combination | 50  |

### Qmark Baseboard Heaters

Marley Electric Heating Co.

For use in residential construction such as single family homes, apartments, modular or mobile homes as well as commercial, industrial and institutional construction. Use as primary, secondary or supplemental heat for new construction or remodel applications.



#### Benefits

- Easily Installed Without Disassembly
- Airflow is Directed Away from Wall to Help Prevent Wall Soiling
- UL Listed for Installation on Wall at Floor Level with Wall-To-Wall Carpeting
- Designed for Easy Wiring to Either End of Unit

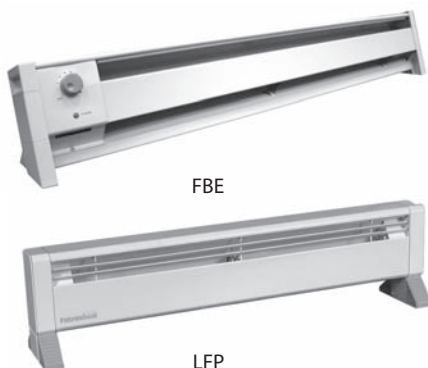
#### Features

- Chimney Fin Element for Maximum Air Circulation
- Pre-Notched Mounting Guides for Fast and Easy Installation Without Disassembling the Unit
- Built-In Cable Clamps in Both Wiring Compartments
- Easy Out Knockouts at Each End
- Navajo White Color
- Horizontal Mounting

| Mfg. No. | Advanced ID     | Description                | Dimensions   |
|----------|-----------------|----------------------------|--|
| 2542W    | <b>99881742</b> | 2 ft., 240/208V, 400/300W  | 6 <sup>3</sup> / <sub>4</sub> "H x 24W x 2 <sup>7</sup> / <sub>8</sub> "D in.  |
| 2543W    | <b>99845265</b> | 3 ft., 240/208V, 750/654W  | 6 <sup>3</sup> / <sub>4</sub> " H x 36W x 2 <sup>7</sup> / <sub>8</sub> "D in. |
| 2544W    | <b>99845269</b> | 4 ft. 240/208V, 1000/752W  | 6 <sup>3</sup> / <sub>4</sub> "H x 48W x 2 <sup>7</sup> / <sub>8</sub> "D in.  |
| 2545W    | <b>99845273</b> | 5 ft. 240/208V, 1250/940W  | 6 <sup>3</sup> / <sub>4</sub> "H x 60W x 2 <sup>7</sup> / <sub>8</sub> "D in.  |
| 2546W    | <b>99845276</b> | 6 ft. 240/208V, 1500/1128W | 6 <sup>3</sup> / <sub>4</sub> "H x 72W x 2 <sup>7</sup> / <sub>8</sub> "D in.  |
| 2548W    | <b>99845279</b> | 8 ft. 240/208V, 2000/1504W | 6 <sup>3</sup> / <sub>4</sub> "H x 96W x 2 <sup>7</sup> / <sub>8</sub> "D in.  |

### Fahrenheit Portable Unit Heaters

Marley Electric Heating Co.



FBE

LFP

For supplemental heating of bedrooms, game rooms, family rooms and small areas in homes, apartments, condos, and office.

#### Benefits

- Large Area Fins Dissipate Heat Into a Strong Convection Flow, Delivering All Available Heat Into the Room
- Automatic Thermostat Lets You Maintain Desired Comfort Level
- Fills Entire Room with Even Comfort, No Cold Spots

#### Features

- Safety Cutout Will Automatically Shut Off Heater in the Event of Blockage
- Portable
- Navajo White Color

| Mfg. No. | Advanced ID     | Description      | Dimensions            |
|----------|-----------------|------------------|-----------------------|
| FBE15002 | <b>99845355</b> | 120V, 1500/1000W | 7½"H x 45L x 5½"D in. |
| LFP6152  | <b>99845311</b> | 120V, 1500/750W  | 8½"H x 58L x 3D in.   |

### Qmark Baseboard Heater Thermostat

Marley Electric Heating Co.



| Mfg. No. | Advanced ID     | Description  |
|----------|-----------------|--|
| TA1AW    | <b>99845286</b> | Heater, thermostat integral, single-pole, 22A, 120-277V AC |
| TA2AW    | <b>99845288</b> | Heater, thermostat integral, 2-pole, 22A, 120-277V AC      |

### Fahrenheit Portable Utility Heaters

Marley Electric Heating Co.



MMHD1502T



MCM1503

For use in residential construction such as single family homes, apartments, modular or mobile homes as well as commercial, industrial and institutional construction. Use as primary, secondary or supplemental heat for new construction or remodel applications.

#### Features

- Automatic Thermostat
- Fan Only Feature to Circulate Air During Non-Heating Periods (MMHD)
- Tip Over Safety Switch and Thermal Limit
- Built-In Carrying Handle and Guards
- Two-Year Warranty
- White

| Mfg. No.  | Advanced ID     | Description                             |
|-----------|-----------------|---|
| MMHD1502T | <b>99845360</b> | 2 ft. Cord, 240/208V, 400/300W          |
| MCM1503   | <b>99845358</b> | 3 ft. Cord, Radiant, 240/208V, 750/654W |

### Ceramic Fan Forced Heater

TPI Corporation

#### Features

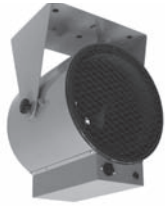
- Fan Only, Plus 2-Heat Settings
- Automatic Reset Type Limit Control
- Thermal Cut-Off Device
- 6 ft. Long - 3 Conductor Cord
- Temperature Control Thermostat



| Mfg. No. | Advanced ID     | Amps     | Voltage | BTUs per Hour |
|----------|-----------------|----------|---------|---------------|
| 178TMC   | <b>22039996</b> | 12.5/7.1 | 120V    | 5120          |

### Fan Forced Portable Unit Heater

TPI Corporation



Ceiling Mount



Floor Mount

#### Benefits

- Swivel Base Can Be Used as Wall, Floor or Ceiling Mount

#### Features

- Finned Steel Tubular Heating Element
- Internal Manual Reset Thermal Cut-Out
- 6 ft. Long Cord with Molded Plug
- Temperature Control Thermostat with 35°F to 85°F Range
- 10 ft. Air Throw - 262 CFM

| Mfg. No. | Advanced ID     | Amps  | Voltage    | BTUs per Hour |
|----------|-----------------|-------|------------|---------------|
| HF-685TC | <b>22040020</b> | 20.0A | 240 / 208V | 16384         |
| HF-686TC | <b>22040021</b> | 23.4A | 240 / 208V | 19107         |

### Metal Milk House Style Fan Forced Heater

TPI Corporation

#### Features

- Fan Only, Plus 2-Heat Settings
- Temperature Control Thermostat
- Tip Over Safety Switch
- Automatic Reset Type Limit Control
- Thermal Cut-Off Device
- 6 ft. Long - 3 Conductor Cord



| Mfg. No. | Advanced ID     | Amps | Voltage | BTUs per Hour |
|----------|-----------------|------|---------|---------------|
| 188TASA  | <b>98316756</b> | 12.5 | 120V    | 5120          |

### Multi-Watt Fan Forced Unit Heater

TPI Corporation

Horizontal or Vertical Discharge

#### Features

- Heavy Gauge Welded Steel Cabinet with Powder Coated Finish and Control Compartment with a Hinged and Latched Access Door
- Block Finned Steel Element Design
- Totally Enclosed, Single-Phase, Permanently Lubricated, Thermally Protected Motor, Mounted with Rubber Insulators to Minimize Vibration and Noise
- Hydraulic Action Capillary Thermostat with an Adjustable Temperature Range of 40°F to 90°F
- Heavy Duty Bracket Standard on all Models, Allows Mounting to Wall or Ceiling; Minimum Mounting Height - 6 ft.



| Mfg. No. | Advanced ID     | Amps      | Voltage   | BTUs per Hour |
|----------|-----------------|-----------|-----------|---------------|
| HF5605T  | <b>25019591</b> | 18 / 20.8 | 208 / 240 | 12798 / 17065 |

### Radiant Heater

Broan-Nutone, LLC

This quality unit is designed to deliver comforting warmth in seconds. This provides the homeowner with zone heating capability, which allows the central thermostat to be left at lower levels.



| Mfg. No. | Advanced ID     | Amps | Voltage | BTUs per Hour |
|----------|-----------------|------|---------|---------------|
| 154      | <b>92143221</b> | 10.7 | 120V AC | 4266          |

### Radiant Heater

TPI Corporation

#### Features

- 3-Heat Settings - 600W Radiant, 900W Fan-Forced, 1500W Radiant and Fan Forced
- Temperature Control Thermostat
- Tip Over Cut-Off Switch
- Manual Reset Type Limit Control
- 6 ft. Long - 3 Conductor Cord



| Mfg. No. | Advanced ID     | Amps | Voltage | Mounting | BTU's per Hour |
|----------|-----------------|------|---------|----------|----------------|
| 198TMC   | <b>99666621</b> | 12.5 | 120V    | Portable | 5120           |



### Heat Wave Salamander

TPI Corporation

#### Features

- Safety Yellow Heater Enclosure with Safety Screens on Both Air Intake and Output Openings
- Long-Life Finned Tubular Heating Elements, High-Limit Thermal Cutout Switch with Automatic Reset
- Toggle Switch for Fan Only Operation / 800 CFM
- 30°F Temperature Rise on 10kW Unit (FES-1024-1CA)
- 45°F Temperature Rise on 15kW Unit (FES-1524-3E & FES-1548-3E)
- 90°F Temperature Rise on 30kW Unit (FES-3048-3A)
- 10 in. Wheels
- Thermostat Adjustment 40° to 100°F
- Magnetic Contactor
- Optional 25 ft. Power Cord



| Mfg. No.     | Advanced ID     | Voltage | BTUs per Hour | Amps |
|--------------|-----------------|---------|---------------|------|
| FES-1024-1CA | <b>22041308</b> | 240V    | 34130         | 42   |
| FES-1524-3E  | <b>22041310</b> | 240V    | 51195         | 36   |
| FES-1548-3E  | <b>22041311</b> | 480V    | 51195         | 18   |
| FES-3048-3A  | <b>22041313</b> | 480V    | 102390        | 36   |

### Qmark Fan-Forced Wall Heaters

Marley Electric Heating Co.



CRA1512-T2



CWH3404

Ideal for primary or supplemental heat in offices, dens, family rooms, bathrooms, entryways, game rooms and similar areas.

#### Benefits

- Thermal Overheat Protector Disconnects Power in Event of Overheating Due to Accidental Blockage
- Recess or Surface Mount in Standard 2 x 4 in. Stud Walls

#### Features

- Integral Thermostat for Quick Installation, Separate Thermostat Not Needed
- Northern White Finish
- Fast Response Element

| Mfg. No.   | Advanced ID     | Description  | Dimensions   |
|------------|-----------------|--|--|
| CRA1512-T2 | <b>99488976</b> | 1500W, 120V AC, 12.5A, 5118 BTU                                | 11 x 9 <sup>1</sup> / <sub>8</sub> x 3 <sup>1</sup> / <sub>2</sub> in.                                 |
| CWH3404    | <b>92117121</b> | 3000/4000W, 208/240V AC, 14.5/17.0A, 10240 /13650 BTU, 100 CFM | 15 <sup>25</sup> / <sub>32</sub> x 19 <sup>3</sup> / <sub>16</sub> x 1 <sup>1</sup> / <sub>2</sub> in. |



### QMark MUH Series Unit Heaters

Marley Electric Heating Co.

Unit mounts either horizontally or vertically. Ideal for factories, warehouses, garages, stores, shipping rooms, power stations, aircraft hangers or any large open area. Can be used for primary, supplementary, spot or dual system heating.

#### Benefits

- Fan Delay Feature Eliminates Cold Drafts
- Auto Cut-Out Provides Protection Over Entire Length of Element
- Individually Adjustable Louvers to Control Air Flow
- Meets All UL, NEC, OSHA Requirements

#### Features

- Heavy Gauge Die-Formed Steel Housing
- Completely Enclosed Fan Motor
- Automatic Reset Linear Thermal Cut-Out
- White with Black Fin
- 2 Speed Fan Selector Switch



| Mfg. No. | Advanced ID              | Dimensions   | CFM     | Amps       | Watts       | Voltage     | Phase |
|----------|--------------------------|--|---------|------------|-------------|-------------|-------|
| MUH104   | <a href="#">88170697</a> | 21 <sup>3</sup> / <sub>4</sub> H x 19W x 7 <sup>1</sup> / <sub>2</sub> D in. | 350 CFM | 12.0A      | 10000W      | 480V AC     | 3Ø    |
| MUH0541  | <a href="#">89021724</a> | 16H x 14W x 7 <sup>1</sup> / <sub>2</sub> D in.                              | 350 CFM | 6.0A       | 5000W       | 480V AC     | 3Ø    |
| MUH0321  | <a href="#">89021727</a> | 16H x 14W x 7 <sup>1</sup> / <sub>2</sub> D in.                              | 350 CFM | 11.0/12.5A | 2200/3000W  | 208/240V AC | 1Ø    |
| MUH072   | <a href="#">88170692</a> | 21 <sup>3</sup> / <sub>4</sub> H x 19W x 7 <sup>1</sup> / <sub>2</sub> D in. | 650 CFM | 31.2/26.9A | 7500/5600W  | 240/208V AC | 1Ø/3Ø |
| MUH102   | <a href="#">88170696</a> | 16H x 14W x 7 <sup>1</sup> / <sub>2</sub> D in.                              | 650 CFM | 36.0/42.0A | 10000/7500W | 240/208V AC | 1Ø/3Ø |

### Qmark Unit Heater Accessories

Marley Electric Heating Co.



| Mfg. No. | Advanced ID              | Description   |
|----------|--------------------------|---|
| MT2      | <a href="#">88170683</a> | Heater, thermostat integral, 2-stage, 25A, 120/240V AC, 40 to 85° F     |
| MT1      | <a href="#">88170682</a> | Heater, thermostat integral, single-pole, 25A, 120/240V AC, 40 to 85° F |
| MMB10    | <a href="#">88170671</a> | Heater, bracket, wall and ceiling mount, universal                      |

### QMark Unit Heaters

Marley Electric Heating Co.



MUH35



MWUH5004

Unit mounts on wall or ceiling. Ideal for factories, warehouses, garages, stores, shipping rooms, power stations, aircraft hangers or any large open area. Can be used for primary, supplementary, spot or dual system heating. Air Flow can be directed horizontally or vertically for precise control.

#### Benefits

- Fan Delay Feature Eliminates Cold Drafts
- Auto Cut-Out Provides Protection Over Entire Length of Element
- Mounting Bracket Included

| Mfg. No. | Advanced ID     | Dimensions            | CFM     | Amps  | Watts          | Voltage     | Phase |
|----------|-----------------|-----------------------|---------|-------|----------------|-------------|-------|
| MUH35    | <b>92119762</b> | 16H x 22W x 8D in.    | 210 CFM | 21/18 | 5000/3750 Watt | 240/208V AC | 1Ø    |
| MWUH5004 | <b>96076913</b> | 12½H x 14W x 11¼D in. | 270 CFM | 21/18 | 5000/3750 Watt | 240/208V AC | 1Ø    |

### Qmark Line Voltage Heater Thermostats

Marley Electric Heating Co.



| Mfg. No. | Advanced ID     | Description  |
|----------|-----------------|--|
| M601W    | <b>99845303</b> | Single-pole, 22A, 120/240V AC, 45 to 75° F         |
| M602W    | <b>99845304</b> | 2-pole, 22A, 120/240V AC, 45 to 75° F Positive off |
| MS26     | <b>99845306</b> | Single-pole, 22A, 120/240V AC, 50 to 80° F         |
| MD26     | <b>99845307</b> | 2-pole, 22A, 120/240V AC, 50 to 80° F Positive off |
| WR661    | <b>99845245</b> | 2-pole, 25A, 120/240V AC, 45 to 80° F Positive off |

### Series 2000 Thermostats

TPI Corporation

#### Features

- Heat Only
- Single and Double Pole Designs
- Optional Wire Leads, or Screw Terminals
- Double Pole Models Incorporate Positive Off
- Two Stage Models Available - Special Order



- 50°F to 90°F Temperature Range

| Mfg. No.   | Advanced ID     | Pole | Volts    |
|------------|-----------------|------|----------|
| M602H10AA  | <b>98408931</b> | 1    | 120-277V |
| D2022H10BA | <b>25019539</b> | 2    | 120-277V |

**Ballasts**

|                                    |      |
|------------------------------------|------|
| Compact Fluorescent.....           | 9-43 |
| Fluorescent - Dimming.....         | 9-43 |
| Fluorescent - Electromagnetic..... | 9-44 |
| Fluorescent - Electronic.....      | 9-42 |
| Fluorescent Sign.....              | 9-44 |
| HID - Igniters.....                | 9-44 |

**Dimmers**

|                     |         |
|---------------------|---------|
| Remote Control..... | 9-48    |
| Rotary.....         | 9-47    |
| Slide.....          | 9-47    |
| Wallbox.....        | 9-45-46 |

**Lamps**

|                               |         |
|-------------------------------|---------|
| Compact Fluorescent.....      | 9-36-41 |
| Fluorescent.....              | 9-26-35 |
| Halogen.....                  | 9-10-15 |
| High Intensity Discharge..... | 9-16-25 |
| Incandescent.....             | 9-1-10  |

**Lighting Fixtures**

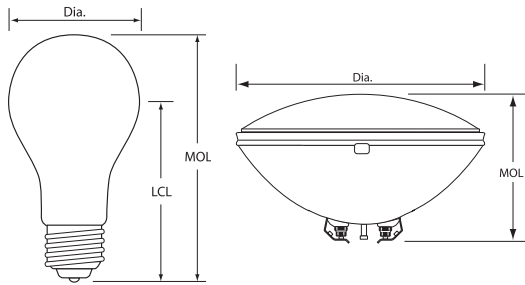
|                                      |                 |
|--------------------------------------|-----------------|
| Emergency.....                       | 9-68-70         |
| Exit.....                            | 9-70-72         |
| Floodlights HID.....                 | 9-78-80         |
| Floodlights Quartz.....              | 9-77-78         |
| Fluorescent, Industrial.....         | 9-61-63         |
| Fluorescent, Lensed Troffers.....    | 9-53-55         |
| Fluorescent, Parabolic Troffers..... | 9-55-56         |
| Fluorescent, Strip.....              | 9-59-60         |
| Fluorescent, Vaportite.....          | 9-63            |
| Fluorescent, Wall Mount.....         | 9-93            |
| Fluorescent, Wrap.....               | 9-57-59         |
| HID.....                             | 9-64            |
| Hazardous Location HID.....          | 9-65-66         |
| Hazardous Location Incandescent..... | 9-67            |
| Portable.....                        | 9-99-100        |
| Recessed.....                        | 9-81-86, 89, 91 |
| Recessed Trim.....                   | 9-87-93         |
| Residential.....                     | 9-94-98         |
| Task.....                            | 9-101           |
| Temporary.....                       | 9-99-100        |
| Undercabinet.....                    | 9-98-99         |
| Wall Packs.....                      | 9-75-77         |

**Sensors**

|                     |         |
|---------------------|---------|
| Occupancy.....      | 9-48-53 |
| Outdoor Motion..... | 9-73-74 |

General Electric Co.

### Bulb Identification



DIA: Diameter of bulb at widest point.

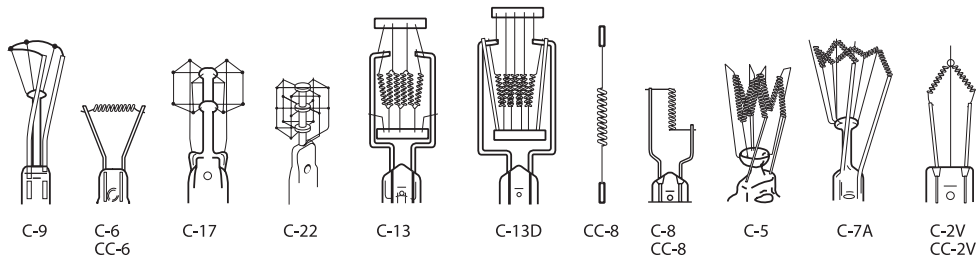
MOL: Maximum Overall Length including base or pins.

LCL: Distance between the center of the arc tube and the Light Center Length reference plane.

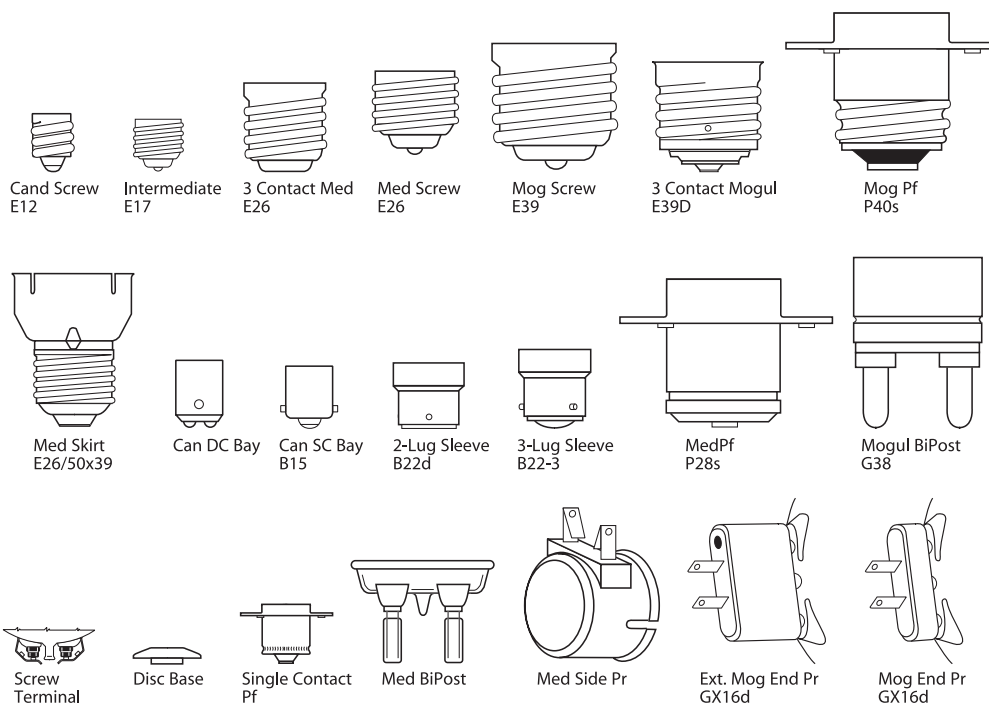
Note: Lamp drawings are not drawn to scale. Be sure to check size and dimension information when identifying each lamp.

To convert inches to millimeters, multiply the dimension (in inches) by 25.4 (i.e. 1.5" x 25.4 = 38.1 mm).

### Filament Identification



### Base Identification

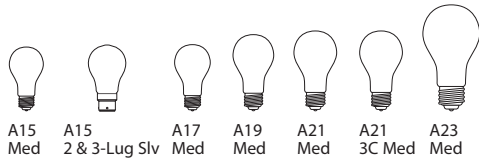


# Lamps, Lighting & Ballasts

## Lamps, Incandescent

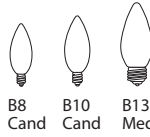
General Electric Co.

### Lamp Locator



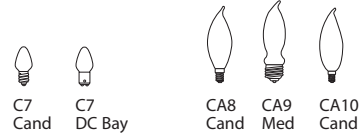
A15 Med  
A15 2 & 3-Lug Slv  
A17 Med  
A19 Med  
A21 Med  
A21 3C Med  
A23 Med

#### Lamp Shape A



B8 Cand  
B10 Cand  
B13 Med

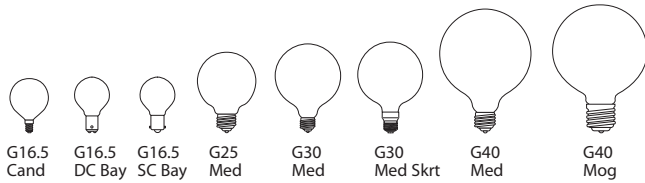
#### Lamp Shape B



C7 Cand  
C7 DC Bay  
CA8 Cand  
CA9 Med  
CA10 Cand

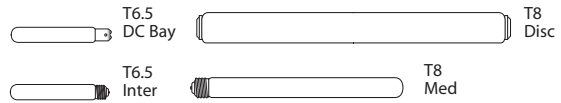
#### Lamp Shape C

#### Lamp Shape CA

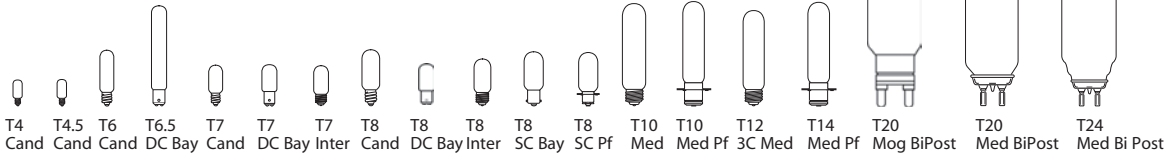


G16.5 Cand  
G16.5 DC Bay  
G16.5 SC Bay  
G25 Med  
G30 Med  
G30 Med Skrt  
G40 Med  
G40 Mog

#### Lamp Shape G



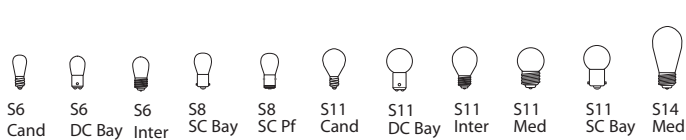
T6.5 DC Bay  
T6.5 Inter  
T8 Med  
T8 Disc



T4 Cand  
T4.5 Cand  
T6 Cand  
T6.5 DC Bay  
T7 Cand  
T7 DC Bay  
T7 Inter  
T8 Cand  
T8 DC Bay  
T8 Inter  
T8 SC Bay  
T8 SC Pf  
T10 Med  
T10 Med Pf  
T12 3C Med  
T14 Med Pf  
T20 Mog BiPost  
T20 Med BiPost  
T24 Med BiPost  
M14 Med

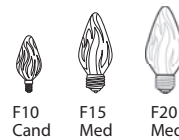
#### Lamp Shape T

#### Lamp Shape M



S6 Cand  
S6 DC Bay  
S6 Inter  
S8 SC Bay  
S8 SC Pf  
S11 Cand  
S11 DC Bay  
S11 Inter  
S11 Med  
S11 SC Bay  
S14 Med

#### Lamp Shape S



F10 Cand  
F15 Med  
F20 Med

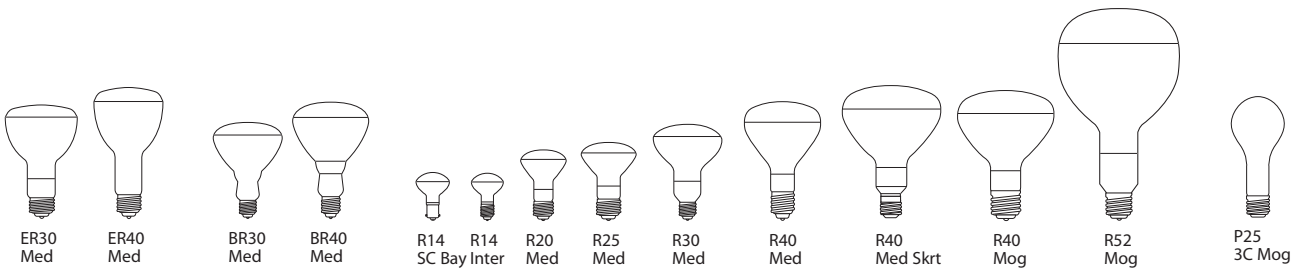
#### Lamp Shape F



RP11 SC Bay  
E17 Med

#### Lamp Shape RP

#### Lamp Shape E



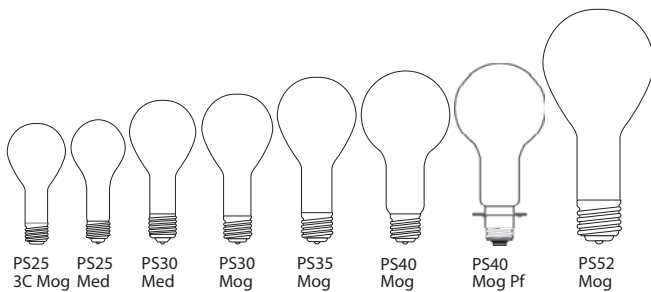
ER30 Med  
ER40 Med  
BR30 Med  
BR40 Med  
R14 SC Bay  
R14 Inter  
R20 Med  
R25 Med  
R30 Med  
R40 Med  
R40 Med Skrt  
R40 Mog  
R52 Mog  
P25 3C Mog

#### Lamp Shape ER

#### Lamp Shape BR

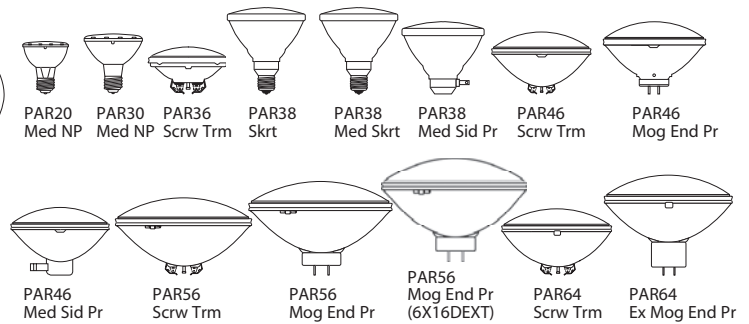
#### Lamp Shape R

#### Lamp Shape P



PS25 3C Mog  
PS25 Med  
PS30 Med  
PS30 Mog  
PS35 Mog  
PS40 Mog  
PS40 Mog Pf  
PS52 Mog

#### Lamp Shape PS



PAR20 Med NP  
PAR30 Med NP  
PAR36 Scrw Trm  
PAR38 Skrt  
PAR38 Med Skrt  
PAR38 Med Sid Pr  
PAR46 Scrw Trm  
PAR46 Mog End Pr  
PAR46 Med Sid Pr  
PAR56 Mog End Pr  
PAR56 Scrw Trm  
PAR56 Mog End Pr (6X16DEXT)  
PAR64 Scrw Trm  
PAR64 Ex Mog End Pr

#### Lamp Shape PAR

## 3 Watts - 60 Watts

General Electric Co.

| Mfg. No.          | Advanced ID     | GE Order Code | Bulb Shape | Watts | Volts | Base Type    | Filament Design | Lumens Initial | Rated Life (hrs) | MOL (in.) |
|-------------------|-----------------|---------------|------------|-------|-------|--------------|-----------------|----------------|------------------|-----------|
| <b>3 Watts</b>    |                 |               |            |       |       |              |                 |                |                  |           |
| 3S6/524PK130      | <b>88111096</b> | 11098         | S6         | 3     | 130   | Candelabra   | C-7A            | 11             | 3000             | 1.87      |
| <b>4 Watts</b>    |                 |               |            |       |       |              |                 |                |                  |           |
| 4C7/WCD2120       | <b>88111227</b> | 16001         | C7         | 4     | 120   | Candelabra   | C-7A            | -              | 3000             | 2.12      |
| 4C7/BLCD26PK120   | <b>97173378</b> | 26223         | C7         | 4     | 120   | Candelabra   | C-7A            | -              | 3000             | 2.12      |
| 4C7/PK-CD26PK120  | <b>97173377</b> | 26222         | C7         | 4     | 120   | Candelabra   | C-7A            | -              | 3000             | 2.12      |
| 4C7/SCD4120       | <b>91007318</b> | 20572         | C7         | 4     | 120   | Candelabra   | C-7A            | -              | 2000             | 2.12      |
| 4C7/W/SCD4120     | <b>91007319</b> | 20573         | C7         | 4     | 120   | Candelabra   | C-7A            | -              | 2000             | 2.12      |
| <b>6 Watts</b>    |                 |               |            |       |       |              |                 |                |                  |           |
| 6S624PK12         | <b>88111424</b> | 11316         | S6         | 6     | 12    | Candelabra   | C-2V            | 50             | 1500             | 1.87      |
| 6S624             | <b>88111429</b> | 11329         | S6         | 6     | 24    | Candelabra   | C-2V            | 50             | 1500             | 1.87      |
| 6S624PK30         | <b>88111431</b> | 11331         | S6         | 6     | 30    | Candelabra   | C-2V            | 50             | 1500             | 1.87      |
| 6S6BB32           | <b>88111439</b> | 43397         | S6         | 6     | 32    | Candelabra   | C-2V            | 45             | 1500             | 1.87      |
| 6S6/3120          | <b>88111430</b> | 11577         | S6         | 6     | 120   | Candelabra   | C-7A            | 23             | 5000             | 1.87      |
| 6S6TRAY120        | <b>88111423</b> | 11367         | S6         | 6     | 120   | Candelabra   | C-7A            | 41             | 1500             | 1.87      |
| 6S6TRAY130        | <b>88111425</b> | 11369         | S6         | 6     | 130   | Candelabra   | C-7A            | 41             | 1500             | 1.87      |
| 6S6145            | <b>88111427</b> | 11372         | S6         | 6     | 145   | Candelabra   | C-7A            | 41             | 1500             | 1.87      |
| 6S6155            | <b>88111428</b> | 11374         | S6         | 6     | 155   | Candelabra   | C-7A            | 41             | 1500             | 1.87      |
| 6S6DCTRAY120      | <b>88111445</b> | 11592         | S6         | 6     | 120   | DC Bayonet   | C-7A            | 41             | 1500             | 1.81      |
| 6S6/DCTRAY130     | <b>88111446</b> | 11594         | S6         | 6     | 130   | DC Bayonet   | C-7A            | 41             | 1500             | 1.81      |
| 6S6DC24PK145      | <b>88111448</b> | 11609         | S6         | 6     | 145   | DC Bayonet   | C-7A            | 41             | 1500             | 1.81      |
| 6S6/7TRAY24PK120  | <b>88111436</b> | 11660         | S6         | 6     | 120   | Intermediate | C-7A            | 41             | 1500             | 1.81      |
| 6T41/2/1130       | <b>88111454</b> | 11764         | T4.5       | 6     | 130   | Candelabra   | C-7A            | 42             | 1500             | 1.87      |
| <b>7 Watts</b>    |                 |               |            |       |       |              |                 |                |                  |           |
| 7C7TRAY120        | <b>88111575</b> | 11779         | C7         | 7     | 120   | Candelabra   | C-7A            | 46             | 3000             | 2.12      |
| 7C7TRAY130        | <b>88111576</b> | 11792         | C7         | 7     | 130   | Candelabra   | C-7A            | 46             | 3000             | 2.12      |
| 7C7/WTRAY120      | <b>88111580</b> | 11815         | C7         | 7     | 120   | Candelabra   | C-7A            | 36             | 3000             | 2.12      |
| <b>7.5 Watts</b>  |                 |               |            |       |       |              |                 |                |                  |           |
| 71/2S/CWCARD120   | <b>88111468</b> | 41267         | S11        | 7.5   | 120   | Medium       | C-9             | 39             | 1400             | 2.25      |
| 71/2S/CWTRAY130   | <b>88111470</b> | 11922         | S11        | 7.5   | 130   | Medium       | C-9             | 39             | 1400             | 2.25      |
| 71/2STRAY120      | <b>88111456</b> | 11847         | S11        | 7.5   | 120   | Medium       | C-9             | 53             | 1400             | 2.25      |
| 71/2STRAY130      | <b>88111457</b> | 11848         | S11        | 7.5   | 130   | Medium       | C-9             | 53             | 1400             | 2.25      |
| <b>10 Watts</b>   |                 |               |            |       |       |              |                 |                |                  |           |
| 10S11/79120       | <b>88110553</b> | 12249         | S11        | 10    | 120   | Candelabra   | C-7A            | 80             | 1000             | 2.25      |
| 10S11N130         | <b>88110555</b> | 12185         | S11        | 10    | 130   | Intermediate | C-7A            | 80             | 1000             | 2.31      |
| 10S6/10230        | <b>88110576</b> | 12041         | S6         | 10    | 230   | Candelabra   | C-7A            | 66             | 1500             | 1.87      |
| 10S6/1024PK250    | <b>88110577</b> | 12050         | S6         | 10    | 250   | Candelabra   | C-7A            | 66             | 1500             | 1.87      |
| 10S6/10DC24PK230  | <b>88110578</b> | 12060         | S6         | 10    | 230   | DC Bayonet   | C-7A            | 66             | 1500             | 1.87      |
| <b>11 Watts</b>   |                 |               |            |       |       |              |                 |                |                  |           |
| 11S14130          | <b>88110588</b> | 12575         | S14        | 11    | 130   | Medium       | C-9             | 76             | 3000             | 3.5       |
| 11S14/IF130       | <b>88110591</b> | 12589         | S14        | 11    | 130   | Medium       | C-9             | 76             | 3000             | 3.5       |
| 11S14/Y130        | <b>88110600</b> | 12632         | S14        | 11    | 130   | Medium       | C-9             | -              | 3000             | 3.5       |
| <b>13.5 Watts</b> |                 |               |            |       |       |              |                 |                |                  |           |
| 13/31/2S11/9510   | <b>88110613</b> | 12649         | S11        | 13.5  | 10    | SC Bayonet   | CC-6/C-12       | 180            | 1000             | 2.37      |
| <b>15 Watts</b>   |                 |               |            |       |       |              |                 |                |                  |           |
| 15A15130          | <b>88110746</b> | 12658         | A15        | 15    | 130   | Medium       | C-9             | 115            | 2500             | 3.5       |
| 15A15/CL/BB130    | <b>88110747</b> | 16215         | A15        | 15    | 130   | Medium       | C-9             | 110            | 3000             | 3.5       |
| 15A/W24PK120      | <b>88110742</b> | 41270         | A15        | 15    | 120   | Medium       | C-9             | 110            | 2500             | 3.5       |
| 15S14/GR/CL/8130  | <b>88110777</b> | 11137         | S14        | 15    | 130   | Medium       | C-9             | 90             | 8000             | 3.5       |
| 15T1024PK120      | <b>88110779</b> | 34407         | T10        | 15    | 120   | Medium       | C-8             | 120            | 2500             | 5.62      |
| 15T6120           | <b>88110780</b> | 13390         | T6         | 15    | 120   | Candelabra   | C-7A            | 107            | 2000             | 3.06      |
| 15T6145           | <b>88110781</b> | 13402         | T6         | 15    | 145   | Candelabra   | C-7A            | 102            | 1500             | 3.06      |
| 15T7C120          | <b>88110782</b> | 13494         | T7         | 15    | 120   | Candelabra   | C-7A            | 100            | 3000             | 2.25      |
| 15T7DCCARD120     | <b>88110784</b> | 35154         | T7         | 15    | 120   | DC Bayonet   | C-7A            | 100            | -                | 2.25      |
| 15T7NCARD120      | <b>88110786</b> | 35153         | T7         | 15    | 120   | Intermediate | C-7A            | 100            | -                | 2.25      |

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## 3 Watts - 60 Watts

General Electric Co.

| Mfg. No.            | Advanced ID     | GE Order Code | Bulb Shape | Watts     | Volts   | Base Type    | Filament Design | Lumens Initial | Rated Life (hrs) | MOL (in.) |
|---------------------|-----------------|---------------|------------|-----------|---------|--------------|-----------------|----------------|------------------|-----------|
| <b>18 Watts</b>     |                 |               |            |           |         |              |                 |                |                  |           |
| 18S11/1SC10         | <b>88110799</b> | 13655         | S11        | 18        | 10      | SC Bayonet   | CC-6            | 200            | 2000             | 2.37      |
| 18/31/2S11SC10      | <b>88110789</b> | 13659         | S11        | 18        | 10      | SC Bayonet   | CC-6            | 300            | 1000             | 2.37      |
| <b>20 Watts</b>     |                 |               |            |           |         |              |                 |                |                  |           |
| 20T61/2DC/F120      | <b>88110866</b> | 34241         | T6.5       | 20        | 120     | DC Bayonet   | C-8             | 90             | 5000             | 5.56      |
| 20T61/2/F120        | <b>88110865</b> | 34272         | T6.5       | 20        | 120     | Intermediate | C-8             | 90             | 7000             | 5.5       |
| <b>21.5 Watts</b>   |                 |               |            |           |         |              |                 |                |                  |           |
| 18/35A15/510        | <b>88110790</b> | 13644         | A15        | 21.5      | 10      | 2-Lug Sleeve | CC-6            | 235            | 1500             | 3.75      |
| <b>25 Watts</b>     |                 |               |            |           |         |              |                 |                |                  |           |
| 25A130              | <b>88110892</b> | 35613         | A19        | 25        | 130     | Medium       | CC-6            | 215            | 2500             | 4.25      |
| 25A/W24PK120        | <b>88110920</b> | 41272         | A19        | 25        | 120     | Medium       | CC-6            | 210            | 2500             | 4.25      |
| 25A/CL24PK120       | <b>88110901</b> | 15064         | A19        | 25        | 120     | Medium       | CC-6            | 215            | 2500             | 4.25      |
| 25A/CL130           | <b>88110902</b> | 13992         | A19        | 25        | 130     | Medium       | CC-6            | 215            | 2500             | 4.25      |
| 25A/RS120           | <b>88110910</b> | 33486         | A19        | 25        | 120     | Medium       | C-17            | 190            | 1000             | 3.87      |
| 25A/B24PK120        | <b>88110899</b> | 37577         | A19        | 25        | 120     | Medium       | C-9             | -              | 2500             | 3.87      |
| 25A/R24PK120        | <b>88110907</b> | 37579         | A19        | 25        | 120     | Medium       | C-9             | -              | 2500             | 3.87      |
| 25A/Y24PK120        | <b>88110921</b> | 37793         | A19        | 25        | 120     | Medium       | C-9             | -              | 2500             | 3.87      |
| 25A/TG6PK120        | <b>88110916</b> | 49725         | A19        | 25        | 120     | Medium       | C-9             | -              | 2000             | 3.87      |
| 25A/TR6PK120        | <b>88110918</b> | 49727         | A19        | 25        | 120     | Medium       | C-9             | -              | 2000             | 3.87      |
| 25A12               | <b>88110891</b> | 13769         | A19        | 25        | 12      | Medium       | C-6             | 378            | 1000             | 3.87      |
| 25A34               | <b>88110897</b> | 13784         | A19        | 25        | 34      | Medium       | C-9             | 390            | 1000             | 3.87      |
| 25A250              | <b>88110894</b> | 13879         | A19        | 25        | 250     | Medium       | C-17A           | 220            | 1000             | 3.87      |
| 25R14N120           | <b>88110987</b> | 39156         | R14        | 25        | 120     | Intermediate | CC-2V           | -              | 1500             | 2.56      |
| 25R14N130           | <b>89089473</b> | 18230         | R14        | 25        | 130     | Intermediate | CC-2V           | -              | 1500             | 2.56      |
| 25R14SC/SP12        | <b>88110989</b> | 33405         | R14        | 25        | 12      | SC Bayonet   | CC-8            | -              | 2000             | 2.62      |
| 25S11/2C120         | <b>88110990</b> | 14585         | S11        | 25        | 120     | Candelabra   | C-7A            | 260            | 500              | 2.25      |
| 25T1024PK120        | <b>88110996</b> | 14880         | T10        | 25        | 120     | Medium       | C-8             | 248            | 1000             | 5.62      |
| 25T10130            | <b>88110998</b> | 14866         | T10        | 25        | 130     | Medium       | C-8             | 248            | 1000             | 5.62      |
| 25T61/2DC120        | <b>88111011</b> | 14676         | T6.5       | 25        | 120     | DC Bayonet   | C-8             | 220            | 1000             | 5.56      |
| 25T61/2/DC130       | <b>88111012</b> | 14678         | T6.5       | 25        | 130     | DC Bayonet   | C-8             | 244            | 1000             | 5.56      |
| 25T61/2DC/F130      | <b>88111014</b> | 14685         | T6.5       | 25        | 130     | DC Bayonet   | C-8             | 240            | 1000             | 5.56      |
| 25T61/2120          | <b>88111005</b> | 14639         | T6.5       | 25        | 120     | Intermediate | C-8             | 220            | 1000             | 5.5       |
| 25T61/2130          | <b>88111007</b> | 14641         | T6.5       | 25        | 130     | Intermediate | C-8             | 244            | 1000             | 5.5       |
| 25T61/2/F130        | <b>88111010</b> | 14668         | T6.5       | 25        | 130     | Intermediate | C-8             | 240            | 1000             | 5.5       |
| 25T7DC120           | <b>88111018</b> | 14741         | T7         | 25        | 120     | DC Bayonet   | C-7A            | 195            | 200              | 2.25      |
| 25T7N120            | <b>88111021</b> | 14791         | T7         | 25        | 120     | Intermediate | C-7A            | 195            | 200              | 2.25      |
| 25T8C120            | <b>88111017</b> | 14809         | T8         | 25        | 120     | Candelabra   | C-7A            | 195            | 200              | 2.62      |
| <b>30 Watts</b>     |                 |               |            |           |         |              |                 |                |                  |           |
| 30A15130            | <b>88111078</b> | 14129         | A15        | 30        | 130     | Medium       | C-9             | 215            | 5000             | 3.5       |
| 30A15/CL130         | <b>88111079</b> | 15291         | A15        | 30        | 130     | Medium       | C-9             | 215            | 5000             | 3.5       |
| 30A15/8130          | <b>90045514</b> | 19358         | A15        | 30        | 130     | Medium       | C-9             | 180            | 8000             | 3.5       |
| 30R20/1-6PK120      | <b>96011622</b> | 14891         | R20        | 30        | 120     | Medium       | CC-6            | 200            | 2000             | 3.93      |
| 30R20/1130          | <b>99554533</b> | 46848         | R20        | 30        | 130     | Medium       | C-9             | 200            | 2000             | 3.93      |
| 30R20/6130          | <b>88111083</b> | 46849         | R20        | 30        | 130     | Medium       | C-9             | 145            | 6000             | 3.93      |
| 30/10012PK120       | <b>88111028</b> | 41273         | A21        | 30/70/100 | 120     | 3 Way Medium | C-2R/CC-8       | 305/995/1300   | 1500             | 5.25      |
| <b>33 Watts</b>     |                 |               |            |           |         |              |                 |                |                  |           |
| 33A19/5130          | <b>88111088</b> | 42626         | A19        | 33        | 130     | Medium       | C-9             | 270            | 2500             | 3.87      |
| <b>34 Watts</b>     |                 |               |            |           |         |              |                 |                |                  |           |
| 40A/34WM120         | <b>88111105</b> | 12612         | A19        | 34        | 120     | Medium       | CC-6            | 380            | 2000             | 4.43      |
| 40A/34WM130         | <b>88111106</b> | 12620         | A19        | 34/30     | 130/120 | Medium       | CC-6            | 365/270        | 2000/5400        | 4.43      |
| 40A/34WMP/99130     | <b>88111109</b> | 13009         | A19        | 34/30     | 130/120 | Medium       | CC-6            | 360/265        | 2500/6800        | 4.43      |
| <b>40 Watts</b>     |                 |               |            |           |         |              |                 |                |                  |           |
| 40A15120            | <b>88111125</b> | 15199         | A15        | 40        | 120     | Medium       | C-9             | 415            | 1500             | 3.5       |
| 40A15/F120PK120     | <b>97218812</b> | 27451         | A15        | 40        | 120     | Medium       | C-9             | 355            | 1500             | 3.5       |
| 40A15CARD12PK120    | <b>88111126</b> | 15206         | A15        | 40        | 120     | Medium       | C-9             | 415            | 1500             | 3.5       |
| 40A15CF/STGPQ2/6120 | <b>99568423</b> | 46887         | A15        | 40        | 120     | Medium       | -               | 400            | 1500             | 3.5       |

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## 3 Watts - 60 Watts

General Electric Co.

| Mfg. No.           | GE Order<br>Advanced ID Code | Bulb<br>Shape Watts | Volts          | Base<br>Type | Filament<br>Design | Lumens<br>Initial | Rated Life<br>(hrs) | MOL (in.)      |
|--------------------|------------------------------|---------------------|----------------|--------------|--------------------|-------------------|---------------------|----------------|
| <b>40 Watts</b>    |                              |                     |                |              |                    |                   |                     |                |
| 40A48PK120         | 88111110                     | 13255               | A19 40         | 120          | Medium             | CC-6              | 505                 | 1000 4.43      |
| 40A/CL24PK120      | 88111112                     | 12311               | A19 40         | 120          | Medium             | CC-6              | 470                 | 1500 4.43      |
| 40A/W48PK120       | 88111121                     | 13257               | A19 40         | 120          | Medium             | CC-6              | 490                 | 1000 4.43      |
| 40A/TS130*         | 88111120                     | 15554               | A21 40         | 130          | Medium             | C-9               | 380                 | 2000 4.37      |
| 40R14/CD120        | 97098394                     | 25776               | R14 40         | 120          | Medium             | CC-2V             | -                   | 1500 2.18      |
| 40R16/CD120        | 97098396                     | 25781               | R16 40         | 120          | Medium             | CC-6              | -                   | 1500 3.37      |
| 40S11N/1CARD120    | 88111194                     | 35156               | S11 40         | 120          | Intermediate       | C-9               | 440                 | 500 2.31       |
| 40S11N/1/F120      | 88111195                     | 15734               | S11 40         | 120          | Intermediate       | C-9               | 440                 | 500 2.31       |
| 40T10120           | 88111196                     | 15852               | T10 40         | 120          | Medium             | C-8               | 420                 | 1000 5.62      |
| 40T10130           | 88111199                     | 15854               | T10 40         | 130          | Medium             | C-8               | 420                 | 1000 5.62      |
| 40T10/F120         | 88111200                     | 15892               | T10 40         | 120          | Medium             | C-8               | 415                 | 1000 5.62      |
| 40T61/2/2120       | 88111205                     | 15740               | T6.5 40        | 120          | Intermediate       | C-8               | 420                 | 750 5.5        |
| 40A/CL130          | 88111113                     | 34125               | A19 40/36      | 130/120      | Intermediate       | CC-6              | 480/345             | 1500/4000 4.43 |
| 40A130             | 88111104                     | 34034               | A19 40/36      | 130/120      | Medium             | CC-6              | 495/365             | 1000/2600 4.43 |
| 40A/S-130V-24PK130 | 98307368                     | 40323               | A19 40/36      | 130/120      | Medium             | C-9               | 330/245             | 3000/5500 4.43 |
| <b>45 Watts</b>    |                              |                     |                |              |                    |                   |                     |                |
| 45R/FL/MI-16PK120  | 91007343                     | 20330               | BR30 45        | 120          | Medium             | CC-6              | 485                 | 2000 5.37      |
| <b>50 Watts</b>    |                              |                     |                |              |                    |                   |                     |                |
| 50A/RS24PK120      | 88111284                     | 33495               | A19 50         | 120          | Medium             | C-17A             | 490                 | 1000 3.87      |
| 50A/RS/CVG24PK120  | 88111289                     | 14727               | A19 50         | 120          | Medium             | C-17A             | 480                 | 1000 3.87      |
| 50A19/RS/SH75      | 88111296                     | 16201               | A19 50         | 75           | Medium             | C-9               | 545                 | 1000 3.87      |
| 50A250             | 88111281                     | 15995               | A19 50         | 250          | Medium             | C-17A             | 490                 | 1000 3.87      |
| 50A/RS250          | 88111287                     | 16147               | A19 50         | 250          | Medium             | C-22              | 470                 | 1000 3.87      |
| 50A19300           | 88111292                     | 16317               | A19 50         | 300          | Medium             | C-17A             | 460                 | 1000 3.87      |
| 50A2112            | 88111297                     | 16366               | A21 50         | 12           | Medium             | C-6               | 875                 | 1000 4.87      |
| 50A2130            | 88111299                     | 16385               | A21 50         | 30           | Medium             | C-9               | 805                 | 1000 4.87      |
| 50A2134            | 88111300                     | 16390               | A21 50         | 34           | Medium             | C-9               | 805                 | 1000 4.87      |
| 50ER30120          | 88111301                     | 44429               | ER30 50        | 120          | Medium             | CC-6              | 525                 | 2000 6.25      |
| 50ER30130          | 88111302                     | 11823               | ER30 50        | 130          | Medium             | CC-6              | 525                 | 1500 6.25      |
| 50PAR36/NSP12      | 88111307                     | 16540               | PAR36 50       | 12           | Screw Terminal     | C-6               | 330                 | 2000 2.75      |
| 50PAR36WFL12       | 88111310                     | 16541               | PAR36 50       | 12           | Screw Terminal     | C-6               | 330                 | 2000 2.75      |
| 50R20/1-6PK120     | 96011623                     | 14896               | R20 50         | 120          | Medium             | CC-6              | 410                 | 2000 3.93      |
| 50R20/1130         | 99565222                     | 46851               | R20 50         | 130          | Medium             | CC-6              | 410                 | 2000 3.93      |
| 50/50T12115        | 88111237                     | 16726               | T12 50         | 115          | 3 Way Medium       | C-5/C-9           | 400                 | 750 5.31       |
| 50/15012PK120      | 88111231                     | 41280               | A21 50/100/150 | 120          | 3 Way Medium       | CC-8/CC-8         | 615/1540/2155       | 1500 5.25      |
| 50/150TWIN6PK120   | 99703173                     | 41362               | A21 50/100/150 | 120          | 3 Way Medium       | CC-8/CC-8         | 615/1540/2155       | 1500 5.25      |
| 50/150/SSW-12PK120 | 96011641                     | 14057               | A21 50/100/150 | 120          | 3 Way Medium       | CC-8/CC-8         | 650/1550/2200       | 1500 5.25      |
| <b>52 Watts</b>    |                              |                     |                |              |                    |                   |                     |                |
| 60A/52WM120        | 88112463                     | 12615               | A19 52         | 120          | Medium             | CC-8              | 730                 | 1330 4.43      |
| 60A/52WM130        | 88112464                     | 12623               | A19 52/46      | 130/120      | Medium             | CC-8              | 710/530             | 1000/2600 4.43 |
| 60A/52WM/CL130     | 88111349                     | 13555               | A19 52/46      | 130/120      | Medium             | CC-8              | 720/540             | 1000/2600 4.43 |
| 60A/52WMP/99130    | 88111352                     | 13012               | A19 52/46      | 130/120      | Medium             | CC-8              | 640/480             | 2500/6800 4.43 |
| <b>60 Watts</b>    |                              |                     |                |              |                    |                   |                     |                |
| 60A15/CFCD2120     | 88315922                     | 17759               | A15 60         | 120          | Medium             | C-9               | 650                 | 1500 3.5       |
| 60A15/W/CF-CD2120  | 95045444                     | 14029               | A15 60         | 120          | Medium             | C-9               | 650                 | 1500 3.5       |
| 60A48PK120         | 88111347                     | 41026               | A19 60         | 120          | Medium             | CC-6              | 865                 | 1000 4.43      |
| 60A/COMM24PK120    | 92106134                     | 22361               | A19 60         | 120          | Medium             | CC-6              | 855                 | 1000 4.43      |
| 60A/CL24PK120      | 88111353                     | 39322               | A19 60         | 120          | Medium             | CC-6              | 870                 | 1000 4.43      |
| 60A/W48PK120       | 88111361                     | 41028               | A19 60         | 120          | Medium             | CC-6              | 840                 | 1000 4.43      |
| 60A/W/STGPQ2/10120 | 99568421                     | 46845               | A19 60         | 120          | Medium             | CC-6              | 812                 | 1000 4.43      |
| 60A/W/LL24PK120    | 88111362                     | 41285               | A19 60         | 120          | Medium             | CC-6              | 820                 | 1500 4.43      |
| 60A/CVG24PK120     | 88111354                     | 14414               | A19 60         | 120          | Medium             | CC-6              | 850                 | 1000 4.43      |
| 60A/S-120V-24PK120 | 98307585                     | 40324               | A19 60         | 120          | Medium             | C-9               | 600                 | 3000 4.43      |
| 60A/SPK24PK120     | 91007347                     | 20326               | A19 60         | 120          | Medium             | CC-6              | 675                 | 1000 4.43      |
| 60A/Y24PK120       | 88111363                     | 41284               | A19 60         | 120          | Medium             | CC-6              | 550                 | 1000 4.43      |
| 60A21/B120         | 88111366                     | 16997               | A19 60         | 120          | Medium             | C-9               | -                   | 1000 4.87      |

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### 3 Watts - 60 Watts

General Electric Co.

| Mfg. No.           | Advanced ID     | GE Order Code | Bulb Shape | Watts | Volts   | Base Type      | Filament Design | Lumens Initial | Rated Life (hrs) | MOL (in.) |
|--------------------|-----------------|---------------|------------|-------|---------|----------------|-----------------|----------------|------------------|-----------|
| <b>60 Watts</b>    |                 |               |            |       |         |                |                 |                |                  |           |
| 60A21/R120         | <b>88111369</b> | 17027         | A19        | 60    | 120     | Medium         | C-9             | -              | 1000             | 4.87      |
| 69A21/60WM/TS120*  | <b>89027904</b> | 17968         | A21        | 60    | 120     | Medium         | C-11V           | 610            | 8000             | 4.37      |
| 69A21/60WM/TS130*  | <b>89027905</b> | 17969         | A21        | 60    | 130     | Medium         | C-11V           | 610            | 8000             | 4.37      |
| 60PAR/2/R38        | <b>88111404</b> | 17212         | PAR46      | 60    | 38      | Screw Terminal | CC-2V           | -              | 800              | 3.75      |
| 60T10/6424PK120    | <b>88111407</b> | 17292         | T10        | 60    | 120     | Medium         | C-8             | 740            | 1000             | 5.62      |
| 60A130             | <b>88112462</b> | 16783         | A19        | 60/53 | 130/120 | Medium         | CC-6            | 850/640        | 1000/2600        | 4.43      |
| 60A/S-130V-24PK130 | <b>98307589</b> | 40325         | A19        | 60/53 | 130/120 | Medium         | C-9             | 600/460        | 3000/8300        | 4.43      |

\* This item is not saleable in the state of California.

## 65 Watts - 1000 Watts

General Electric Co.

| Mfg. No.             | Advanced ID | GE Order Code | Bulb Shape | Watts | Volts   | Base Type         | Filament Design | Lumens Initial | Rated Life (hrs) | MOL (in.) |
|----------------------|-------------|---------------|------------|-------|---------|-------------------|-----------------|----------------|------------------|-----------|
| <b>65 Watts</b>      |             |               |            |       |         |                   |                 |                |                  |           |
| 65R30/SP/MI-6PK120   | 91007345    | 20332         | BR30       | 65    | 120     | Medium            | CC-6            | 755            | 2000             | 5.37      |
| 65R30/FL/MI-6PK120   | 91007344    | 20331         | BR30       | 65    | 120     | Medium            | CC-6            | 755            | 2000             | 5.37      |
| 65R30/FL/LL6PK120    | 97194010    | 26805         | BR30       | 65    | 120     | Medium            | CC-6            | 725            | 2500             | 5.37      |
| 65R30/SP130          | 99554537    | 46856         | BR30       | 65    | 130     | Medium            | CC-6            | 725            | 2000             | 5.37      |
| 65R30/FL130          | 99554536    | 46855         | BR30       | 65    | 130     | Medium            | CC-6            | 725            | 2000             | 5.37      |
| 65R30/FL/CVG120      | 99554539    | 46858         | BR30       | 65    | 120     | Medium            | CC-6            | -              | 2000             | 5.37      |
| 65R30FL/STGPQ1/6120  | 99568425    | 47723         | BR30       | 65    | 120     | Medium            | CC-6            | -              | 2000             | 5.37      |
| 65R30/FL/COMM12PK120 | 92138698    | 22714         | BR30       | 65    | 120     | Medium            | CC-6            | 755            | 2000             | 5.37      |
| 65R40/FL130          | 99554541    | 46861         | BR40       | 65    | 130     | Medium            | CC-6            | 700            | 2000             | 6.56      |
| 65R40/FL/MI-6PK120   | 95045445    | 14016         | BR40       | 65    | 120     | Medium            | CC-6            | 730            | 2000             | 6.56      |
| 75PAR/3SP/65WM120    | 88111530    | 80320         | PAR38      | 65    | 120     | Medium Side Prong | CC-6            | 675            | 2000             | 4.3       |
| 75PAR/3FL/65WM120    | 88111528    | 80314         | PAR38      | 65    | 120     | Medium Side Prong | CC-6            | 675            | 2000             | 4.3       |
| <b>67 Watts</b>      |             |               |            |       |         |                   |                 |                |                  |           |
| 75A/67WM120          | 88112470    | 12617         | A19        | 67    | 120     | Medium            | CC-8            | 1030           | 1000             | 4.43      |
| 67A21/TS130*         | 88111414    | 38553         | A21        | 67    | 130     | Medium            | C-9             | 635            | 8000             | 4.37      |
| 75A/67WM130          | 88112471    | 12624         | A19        | 67/60 | 130/120 | Medium            | CC-8            | 1000/755       | 1000/2600        | 4.43      |
| 75A/67WMP/99130      | 88111502    | 13018         | A19        | 67/60 | 130/120 | Medium            | CC-8            | 910/685        | 2500/6800        | 4.43      |
| <b>69 Watts</b>      |             |               |            |       |         |                   |                 |                |                  |           |
| 69A21/TS120*         | 88111416    | 17323         | A21        | 69    | 120     | Medium            | C-9             | 675            | 8000             | 4.37      |
| 69A21/TS130*         | 88111418    | 17325         | A21        | 69    | 130     | Medium            | C-9             | 675            | 8000             | 4.37      |
| <b>75 Watts</b>      |             |               |            |       |         |                   |                 |                |                  |           |
| 75A48PK120           | 88111497    | 41030         | A19        | 75    | 120     | Medium            | CC-6            | 1190           | 750              | 4.43      |
| 75A/COMM24PK120      | 92106135    | 22364         | A19        | 75    | 120     | Medium            | CC-6            | 1180           | 750              | 4.43      |
| 75A/CL24PK120        | 88111503    | 10428         | A19        | 75    | 120     | Medium            | CC-6            | 1200           | 750              | 4.43      |
| 75A/W48PK120         | 88111516    | 41032         | A19        | 75    | 120     | Medium            | CC-6            | 1170           | 750              | 4.43      |
| 75A/W/LL24PK120      | 88111517    | 41287         | A19        | 75    | 120     | Medium            | CC-6            | 1125           | 1125             | 4.43      |
| 75A/RS/CVG-6PK120    | 99847816    | 47263         | A21        | 75    | 120     | Medium            | C-17            | 740            | 1000             | 5.25      |
| 75A/RS/STGPQ1/6120   | 99577299    | 46895         | A21        | 75    | 120     | Medium            | C-17            | -              | 1000             | 5.25      |
| 75A/RS12PK-5120      | 88111507    | 18274         | A21        | 75    | 120     | Medium            | C-17            | 750            | 1000             | 5.25      |
| 75A2112              | 88111518    | 17482         | A21        | 75    | 12      | Medium            | C-6             | 1500           | 1000             | 5.25      |
| 75ER30120            | 88111522    | 37044         | ER30       | 75    | 120     | Medium            | CC-6            | 850            | 2000             | 6.25      |
| 75ER30130            | 88111523    | 42850         | ER30       | 75    | 130     | Medium            | CC-6            | 850            | 2000             | 6.25      |
| 75PAR/3FL/MINE120    | 88111529    | 80316         | PAR38      | 75    | 120     | Medium Side Prong | CC-6            | 765            | 2000             | 4.3       |
| 75R206PK120          | 93196630    | 11320         | R20        | 75    | 120     | Medium            | CC-6            | 650            | 2000             | 3.93      |
| 75A130               | 88112469    | 17347         | A19        | 75/67 | 130/120 | Medium            | CC-6            | 1170/885       | 750/1950         | 4.43      |
| 75A/S-130V-24PK130   | 98307593    | 40328         | A19        | 75/67 | 130/120 | Medium            | C-9             | 815/790        | 3000/8300        | 4.43      |
| 75A/RS60PK130        | 88315923    | 17527         | A21        | 75/67 | 130/120 | Medium            | C-17            | 740/560        | 1000/2600        | 5.25      |
| <b>90 Watts</b>      |             |               |            |       |         |                   |                 |                |                  |           |
| 100A/90WM120         | 88112436    | 12618         | A19        | 90    | 120     | Medium            | CC-8            | 1465           | 1000             | 4.43      |
| 100A21/90WM/TS130*   | 89027901    | 17972         | A21        | 90    | 130     | Medium            | C-11V           | 1040           | 8000             | 4.37      |
| 90R40/FL130          | 99554542    | 46870         | BR40       | 90    | 130     | Medium            | CC-6            | 1050           | 2000             | 6.563     |
| 90R40/FL/MI-6PK120   | 95045446    | 14017         | BR40       | 90    | 120     | Medium            | CC-6            | 1000           | 2000             | 6.56      |
| 100A/90WM130         | 88112437    | 12625         | A19        | 90/80 | 130/120 | Medium            | CC-8            | 1440/1095      | 1000/2600        | 4.43      |
| 100A/90WMP/99130     | 88110465    | 13023         | A19        | 90/80 | 130/120 | Medium            | CC-8            | 1260/960       | 2500/6800        | 4.43      |
| <b>100 Watts</b>     |             |               |            |       |         |                   |                 |                |                  |           |
| 100A48PK120          | 88110457    | 41034         | A19        | 100   | 120     | Medium            | CC-8            | 1710           | 750              | 4.43      |
| 100A/COMM24PK120     | 92106136    | 22366         | A19        | 100   | 120     | Medium            | CC-8            | 1690           | 750              | 4.43      |
| 100A/CL24PK120       | 88110470    | 39321         | A19        | 100   | 120     | Medium            | CC-8            | 1750           | 750              | 4.43      |
| 100A/W48PK120        | 88110492    | 41036         | A19        | 100   | 120     | Medium            | CC-8            | 1690           | 750              | 4.43      |
| 100A/W/LL24PK120     | 88110493    | 41289         | A19        | 100   | 120     | Medium            | CC-8            | 1600           | 1125             | 4.43      |
| 100A/LHT/IF120       | 88110476    | 17995         | A19        | 100   | 120     | Medium            | CC-8            | 1710           | 750              | 4.43      |
| 100A/S-120V-24PK120  | 98307598    | 40329         | A19        | 100   | 120     | Medium            | C-9             | 1190           | 3000             | 4.43      |
| 100A/SPK24PK120      | 91007349    | 20328         | A19        | 100   | 120     | Medium            | CC-8            | 1330           | 1000             | 4.43      |
| 100A/RS12PK-5120     | 88110480    | 18275         | A21        | 100   | 120     | Medium            | C-17            | 1160           | 1000             | 5.25      |
| 100A/RS/CVG-6PK120   | 99712363    | 47262         | A21        | 100   | 120     | Medium            | C-17            | 1230           | 1000             | 5.25      |
| 100A/RS/STGPQ1/6120  | 99576405    | 47261         | A21        | 100   | 120     | Medium            | C-17            | 1230           | 1000             | 5.25      |

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### 65 Watts - 1000 Watts

General Electric Co.

| Mfg. No.             | Advanced ID     | GE Order Code | Bulb Shape | Watts   | Volts   | Base Type         | Filament Design | Lumens Initial | Rated Life (hrs) | MOL (in.) |
|----------------------|-----------------|---------------|------------|---------|---------|-------------------|-----------------|----------------|------------------|-----------|
| <b>100 Watts</b>     |                 |               |            |         |         |                   |                 |                |                  |           |
| 100A21/TS130*        | <b>88110507</b> | 18365         | A21        | 100     | 130     | Medium            | C-9             | 1280           | 3000             | 4.37      |
| 100A21/SBIF60PK120   | <b>88315936</b> | 17525         | A21        | 100     | 120     | Medium            | CC-6            | 1400           | 1000             | 5.25      |
| 100A60PK230          | <b>88315932</b> | 17515         | A21        | 100     | 230     | Medium            | C-7A            | 1280           | 750              | 5.25      |
| 100A60PK250          | <b>88315933</b> | 17516         | A21        | 100     | 250     | Medium            | C-7A            | 1200           | 750              | 5.25      |
| 100A/RS60PK250       | <b>88315930</b> | 17524         | A21        | 100     | 250     | Medium            | C-17            | 960            | 1000             | 5.25      |
| 100A60PK277          | <b>88315934</b> | 17517         | A21        | 100     | 277     | Medium            | C-7A            | 1250           | 750              | 5.25      |
| 100A2312             | <b>88110508</b> | 18512         | A23        | 100     | 12      | Medium            | C-6             | 1750           | 1000             | 5.93      |
| 100A34               | <b>88110462</b> | 17904         | A23        | 100     | 34      | Medium            | C-9             | 2160           | 1000             | 5.93      |
| 100A23/20120         | <b>88110509</b> | 18542         | A23        | 100     | 120     | Medium            | CC-6            | 1530           | 1000             | 5.93      |
| 100A23/IF120         | <b>88110510</b> | 18449         | A23        | 100     | 120     | Medium            | CC-6            | 1600           | 750              | 5.93      |
| 100A130              | <b>88112435</b> | 17933         | A19        | 100/89  | 130/120 | Medium            | CC-8            | 1680/1275      | 750/1950         | 4.43      |
| 100A/S-130V-24PK130  | <b>98307600</b> | 40330         | A19        | 100/89  | 130/120 | Medium            | C-9             | 1170/880       | 3000/8300        | 4.43      |
| 100A21130            | <b>88110498</b> | 18221         | A21        | 100/89  | 130/120 | Medium            | CC-6            | 1690/1285      | 750/1950         | 5.25      |
| 100A21/9960PK130     | <b>92042172</b> | 21315         | A21        | 100/89  | 130/120 | Medium            | CC-6            | 1420/1080      | 2500/6800        | 5.25      |
| 100A/RS60PK130       | <b>88315929</b> | 17522         | A21        | 100/89  | 130/120 | Medium            | C-17            | 1060/800       | 1000/2600        | 5.25      |
| 100A23/VS130         | <b>88110512</b> | 33456         | A23        | 100/89  | 130/120 | Medium            | C-9             | 1340/1020      | 1000/2600        | 5.93      |
| <b>116 Watts</b>     |                 |               |            |         |         |                   |                 |                |                  |           |
| 116A21/TS120*        | <b>88110583</b> | 19008         | A21        | 116     | 120     | Medium            | C-9             | 1280           | 8000             | 4.37      |
| 116A21/TS125*        | <b>88110584</b> | 19009         | A21        | 116     | 125     | Medium            | C-9             | 1280           | 8000             | 4.37      |
| 116A21/TS130*        | <b>88110585</b> | 19010         | A21        | 116     | 130     | Medium            | C-9             | 1280           | 8000             | 4.37      |
| <b>120 Watts</b>     |                 |               |            |         |         |                   |                 |                |                  |           |
| 120R40FL/STGPGQ6130  | <b>99568427</b> | 47725         | BR40       | 120     | 130     | Medium            | CC-6            | 1550           | 1700             | 6.56      |
| 120R40/FL130         | <b>99554543</b> | 46871         | BR40       | 120     | 130     | Medium            | CC-6            | 1600           | 2000             | 6.56      |
| 120R40/FL/MI-6PK120  | <b>91007346</b> | 20333         | BR40       | 120     | 120     | Medium            | CC-6            | 1600           | 2000             | 6.56      |
| 120R/40/FL/CVG130    | <b>99554548</b> | 46877         | BR40       | 120     | 130     | Medium            | CC-6            | 1550           | 1700             | 6.56      |
| 120R/FL/COMM6PK120   | <b>92138699</b> | 22715         | BR40       | 120     | 120     | Medium            | CC-6            | 1600           | 2000             | 6.56      |
| 120ER39130           | <b>88110603</b> | 43231         | ER30       | 120     | 130     | Medium            | CC-6            | 1425           | 2000             | 7.37      |
| 120ER39120           | <b>88110602</b> | 41607         | ER40       | 120     | 120     | Medium            | CC-6            | 1425           | 2000             | 7.37      |
| 150PAR/3FL/120WM120  | <b>88110668</b> | 80313         | PAR38      | 120     | 120     | Medium Side Prong | CC-6            | 1370           | 2000             | 4.3       |
| <b>135 Watts</b>     |                 |               |            |         |         |                   |                 |                |                  |           |
| 150A/135WM120        | <b>88110649</b> | 12619         | A21        | 135     | 120     | Medium            | CC-8            | 2380           | 1000             | 5.37      |
| 150A21/135WM/TS120*  | <b>89089474</b> | 17973         | A21        | 135     | 120     | Medium            | C-11V           | 1750           | 7000             | 4.68      |
| 150A21/135WM/TS130*  | <b>89089475</b> | 17974         | A21        | 135     | 130     | Medium            | C-11V           | 1750           | 7000             | 4.68      |
| 150A/135WM130        | <b>88110650</b> | 12627         | A21        | 135/120 | 130/120 | Medium            | CC-8            | 2340/1790      | 1000/2600        | 5.37      |
| 150A/135WMP/99130    | <b>88110654</b> | 13025         | A21        | 135/120 | 130     | Medium            | CC-8            | 2060/1580      | 2500/6800        | 5.37      |
| <b>150 Watts</b>     |                 |               |            |         |         |                   |                 |                |                  |           |
| 150A24PK120          | <b>88110646</b> | 41294         | A21        | 150     | 120     | Medium            | CC-8            | 2850           | 750              | 5.37      |
| 150P25/2SB120        | <b>88110666</b> | 19334         | P25        | 150     | 120     | Medium            | C-7A            | 2100           | 200              | 4.75      |
| 150PAR/3FL/MINE120   | <b>88110670</b> | 80315         | PAR38      | 150     | 120     | Medium Side Prong | CC-6            | 1740           | 2000             | 4.3       |
| 150PAR/FL/CVG120     | <b>97190736</b> | 26370         | PAR38      | 150     | 120     | Medium Skirt      | CC-6            | 1700           | 2000             | 5.31      |
| 150PAR/FL/STGPGQ6120 | <b>99568430</b> | 48037         | PAR38      | 150     | 120     | Medium Skirt      | CC-6            | 1700           | 2000             | 5.31      |
| 150PAR/SP/CVG120     | <b>97190739</b> | 26371         | PAR38      | 150     | 120     | Medium Skirt      | CC-6            | 1700           | 2000             | 5.31      |
| 150PAR46/TS115*      | <b>88110706</b> | 35327         | PAR46      | 150     | 115     | 3 Prong           | CC-6            | 1750           | 6000             | 4         |
| 150PS25/CVG120       | <b>88110707</b> | 14635         | PS25       | 150     | 120     | Medium            | C-9             | 2630           | 1000             | 6.93      |
| 150/SBIF120          | <b>88110632</b> | 19597         | PS25       | 150     | 120     | Medium            | C-9             | 2370           | 1000             | 6.93      |
| 150/RS/CVG120        | <b>88110631</b> | 14716         | PS25       | 150     | 120     | Medium            | C-17            | 2120           | 1000             | 6.93      |
| 150A130              | <b>88110647</b> | 33009         | A21        | 150/133 | 130/120 | Medium            | CC-8            | 2800/2140      | 750/1950         | 5.37      |
| 150A21/RS130         | <b>88315938</b> | 17625         | A21        | 150/133 | 130/120 | Medium            | C-17            | 2065/1580      | 1000/2600        | 5.25      |
| 150A21/99/IF130      | <b>97098388</b> | 25929         | A21        | 150/133 | 130/120 | Medium            | CC-8            | 2310/1700      | 900/2500         | 5.37      |
| 150A/S130            | <b>88112641</b> | 15818         | A21        | 150/133 | 130/120 | Medium            | C-9             | 1925/1470      | 2000/5500        | 4.93      |
| 150/IF130            | <b>88110628</b> | 19530         | PS25       | 150/133 | 130/120 | Medium            | C-9             | 2520/1930      | 750/1950         | 6.93      |
| 150/RS130            | <b>88110630</b> | 19618         | PS25       | 150/133 | 130/120 | Medium            | C-17            | 2160/1650      | 1000/2600        | 6.93      |
| 150/99/IF130         | <b>88110619</b> | 19658         | PS25       | 150/133 | 130/120 | Medium            | C-9             | 2200/1680      | 2500/6800        | 6.93      |
| 150/99CL130          | <b>88110617</b> | 19668         | PS25       | 150/133 | 130/120 | Medium            | C-9             | 2200/1680      | 2500/6800        | 6.93      |
| 150/VS130            | <b>88110635</b> | 33465         | PS25       | 150/133 | 130/120 | Medium            | C-9             | 2270/1735      | 1000/2600        | 6.93      |

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## 65 Watts - 1000 Watts

General Electric Co.

| Mfg. No.            | Advanced ID | GE Order Code | Bulb Shape | Watts   | Volts   | Base Type                | Filament Design | Lumens Initial | Rated Life (hrs) | MOL (in.) |
|---------------------|-------------|---------------|------------|---------|---------|--------------------------|-----------------|----------------|------------------|-----------|
| <b>175 Watts</b>    |             |               |            |         |         |                          |                 |                |                  |           |
| 175PAR38/HEAT120    | 96011645    | 13643         | PAR38      | 175     | 120     | Medium Skirt             | CC-6            | 3100           | 5000             | 5.31      |
| <b>200 Watts</b>    |             |               |            |         |         |                          |                 |                |                  |           |
| 200A/W-112PK120     | 88110843    | 11585         | A21        | 200     | 120     | Medium                   | CC-8            | 3910           | 750              | 5.37      |
| 200A21/IF/12PK120   | 97105350    | 25925         | A21        | 200     | 120     | Medium                   | CC-8            | 3920           | 750              | 5.37      |
| 200A/CL-112PK120    | 88110836    | 16069         | A21        | 200     | 120     | Medium                   | CC-8            | 3980           | 750              | 5.37      |
| 200PAR56/MFL120     | 88110849    | 49889         | PAR56      | 200     | 120     | Mogul End Prong          | CC-13           | 2270           | 2000             | 5         |
| 200PS30/CVG120      | 88110856    | 14636         | PS30       | 200     | 120     | Medium                   | C-9             | 3480           | 1000             | 8.06      |
| 200PS30/RS/CVG120   | 88110858    | 14637         | PS30       | 200     | 120     | Medium                   | C-9             | 3330           | 1000             | 8.06      |
| 200/SBIF120         | 88110831    | 20316         | PS30       | 200     | 120     | Medium                   | C-9             | 3320           | 1000             | 8.06      |
| 200250              | 88110818    | 20192         | PS30       | 200     | 250     | Medium                   | C-9             | 2980           | 1000             | 8.06      |
| 200A21/IF130130     | 97098389    | 25930         | A21        | 200/177 | 130/120 | Medium                   | CC-8            | 3850/2965      | 750/1950         | 5.37      |
| 200A21/CL130        | 97098390    | 25932         | A21        | 200/177 | 130/120 | Medium                   | CC-8            | 3850/2965      | 750/1950         | 5.37      |
| 200A21/99/CL130130  | 90059038    | 25937         | A21        | 200/177 | 130/120 | Medium                   | CC-8            | 3250/2600      | 2500/4500        | 5.37      |
| 200A21/99/IF130130V | 97098392    | 25936         | A21        | 200/177 | 130/120 | Medium                   | CC-8            | 3250/2600      | 2500/4500        | 5.37      |
| 200PS30/24130       | 88110855    | 20403         | PS30       | 200/177 | 130/120 | Medium                   | C-9             | 3240/2495      | 1000/2600        | 8.06      |
| 200/99IF130         | 88110825    | 20354         | PS30       | 200/177 | 120/120 | Medium                   | C-9             | 3000/2310      | 2500/6800        | 8.06      |
| 200130              | 88110817    | 20172         | PS30       | 200/177 | 130/120 | Medium                   | C-9             | 3540/2725      | 750/1950         | 8.06      |
| 200/IF130           | 88110829    | 20252         | PS30       | 200/177 | 130/120 | Medium                   | C-9             | 3540/2725      | 750/1950         | 8.06      |
| 200PS30/2324PK130   | 88110853    | 33468         | PS30       | 200/177 | 130/120 | Medium                   | C-9             | 3240/2495      | 1000/2600        | 8.06      |
| <b>250 Watts</b>    |             |               |            |         |         |                          |                 |                |                  |           |
| 250R40/16PK120      | 88110883    | 37770         | R40        | 250     | 120     | Medium                   | C-9             | 2200           | 5000             | 6.56      |
| 250R40/1/CVG120     | 89027917    | 46881         | R40        | 250     | 120     | Medium                   | C-9             | 2150           | 5000             | 6.56      |
| 250R40/106PK120     | 88110884    | 37771         | R40        | 250     | 120     | Medium                   | C-9             | -              | 5000             | 6.56      |
| <b>300 Watts</b>    |             |               |            |         |         |                          |                 |                |                  |           |
| 300PAR56/WFL12      | 88111063    | 23427         | PAR46      | 300     | 12      | Screw Terminal           | C-6             | 6000           | 1000             | 4.5       |
| 300PAR56/NSP120     | 88111061    | 20803         | PAR56      | 300     | 120     | Mogul End Prong          | CC-13           | 3840           | 2000             | 5         |
| 300PAR56/MFL120     | 88111059    | 20836         | PAR56      | 300     | 120     | Mogul End Prong          | CC-13           | 3840           | 2000             | 5         |
| 300PAR56/MFL130     | 88111060    | 20838         | PAR56      | 300     | 130     | Mogul End Prong          | CC-13           | 3840           | 2000             | 5         |
| 300PAR56/WFL120     | 88111062    | 20849         | PAR56      | 300     | 120     | Mogul End Prong          | CC-13           | 3840           | 2000             | 5         |
| 300PAR56/WFL130     | 88111064    | 20851         | PAR56      | 300     | 130     | Mogul End Prong          | CC-13           | 3840           | 2000             | 5         |
| 300M120             | 88111044    | 20861         | PS25       | 300     | 120     | Medium                   | CC-8            | 6200           | 750              | 6.93      |
| 300M/IF6PK120       | 96092615    | 25919         | PS25       | 300     | 120     | Medium                   | CC-8            | 6200           | 750              | 6.93      |
| 300/SBIF130         | 88111043    | 21139         | PS35       | 300     | 130     | Mogul                    | C-9             | 5410           | 1000             | 9.37      |
| 300/99130           | 88111035    | 21167         | PS35       | 300     | 130     | Mogul                    | C-9             | 5190           | 2500             | 9.37      |
| 300/99IF130         | 88111037    | 21177         | PS35       | 300     | 130     | Mogul                    | C-9             | 5190           | 2500             | 9.37      |
| 300130              | 88111031    | 21025         | PS35       | 300     | 130     | Mogul                    | C-9             | 5820           | 1000             | 9.37      |
| 300/IF130           | 88111039    | 21079         | PS35       | 300     | 130     | Mogul                    | C-9             | 5820           | 1000             | 9.37      |
| 300R/FL120          | 88111072    | 21213         | R40        | 300     | 120     | Medium                   | CC-2V           | 3700           | 2000             | 6.56      |
| 300R/3FL120         | 88111065    | 21254         | R40        | 300     | 120     | Medium                   | CC-2V           | 3750           | 2000             | 7.25      |
| 300R/3FL130         | 88111066    | 21256         | R40        | 300     | 130     | Mogul                    | CC-2V           | 3750           | 2000             | 7.25      |
| 300R/3FL250         | 88111067    | 21263         | R40        | 300     | 250     | Mogul                    | C-7A            | 3300           | 2000             | 7.25      |
| 300M130             | 88111045    | 20863         | PS25       | 300/266 | 130/120 | Medium                   | CC-8            | 6120/4170      | 750/1950         | 6.93      |
| 300M/IF130          | 88111052    | 20917         | PS25       | 300/266 | 130/120 | Medium                   | CC-8            | 6120/4170      | 750/1950         | 6.93      |
| 300M/99130          | 88111047    | 20887         | PS30       | 300/266 | 130/120 | Medium                   | C-9             | 5110/3935      | 2500/6800        | 8.06      |
| 300M/99IF130        | 88111049    | 20894         | PS30       | 300/266 | 130/120 | Medium                   | C-9             | 5110/3935      | 2500/6800        | 8.06      |
| 300R/FL130          | 88111073    | 21215         | R40        | 300/266 | 130/120 | Medium                   | CC-2V           | 3465/2670      | 2000/5400        | 6.56      |
| <b>375 Watts</b>    |             |               |            |         |         |                          |                 |                |                  |           |
| 375R40115           | 88111092    | 21331         | R40        | 375     | 115     | Medium Skirt             | C-9             | -              | 5000             | 7.37      |
| 375R40/1115         | 88111090    | 21334         | R40        | 375     | 115     | Medium Skirt             | C-9             | -              | 5000             | 7.5       |
| <b>500 Watts</b>    |             |               |            |         |         |                          |                 |                |                  |           |
| 500PAR64/MFL120     | 88111255    | 39409         | PAR64      | 500     | 120     | Extended Mogul End Prong | CC-13           | 6500           | 2000             | 6         |
| 500PAR64/WFL120     | 88111259    | 39412         | PAR64      | 500     | 120     | Extended Mogul End Prong | CC-13           | 6500           | 2000             | 6         |
| 500120              | 88111238    | 21530         | PS35       | 500     | 120     | Mogul                    | CC-8            | 10850          | 1000             | 9.37      |
| 500130              | 88111239    | 21532         | PS35       | 500     | 130     | Mogul                    | CC-8            | 10850          | 1000             | 9.37      |
| 500/IF130           | 88111248    | 21581         | PS35       | 500     | 130     | Mogul                    | CC-8            | 10850          | 1000             | 9.37      |
| 500R/3FL120         | 88111262    | 21734         | R40        | 500     | 120     | Mogul                    | CC-2V           | 6500           | 2000             | 7.25      |
| 500R/3FL130         | 88111263    | 21736         | R40        | 500     | 130     | Mogul                    | CC-2V           | 6500           | 2000             | 7.25      |
| 500R52130           | 88111269    | 21761         | R52        | 500     | 130     | Mogul                    | C-7A            | 7600           | 2000             | 11.75     |

\* This item is not saleable in the state of California.



### Decorative Lamps

General Electric Co.

| Mfg. No.          | Advanced ID              | GE Order Code | Bulb Shape | Watts | Volts | Base Type  | Filament Design | Lumens Initial | Rated Life (hrs) | MOL (in.) |
|-------------------|--------------------------|---------------|------------|-------|-------|------------|-----------------|----------------|------------------|-----------|
| <b>Decorative</b> |                          |               |            |       |       |            |                 |                |                  |           |
| 15CAC/L120        | <a href="#">88110753</a> | 41524         | CA8        | 15    | 120   | Candelabra | C-7A            | -              | 4000             | 4.12      |
| 15CAC/FCD26PK120  | <a href="#">99712108</a> | 48403         | CA8        | 15    | 120   | Candelabra | C-7A            | -              | 1500             | 4.12      |
| 15GC/L120         | <a href="#">88110764</a> | 12578         | G16.5      | 15    | 120   | Candelabra | C-7A            | -              | 4000             | 3         |
| 25BC25PK120       | <a href="#">88112445</a> | 15787         | B10        | 25    | 120   | Candelabra | C-7A            | -              | 1500             | 3.75      |
| 25BMCD2120        | <a href="#">93145766</a> | 22756         | B13        | 25    | 120   | Medium     | C-9             | -              | 1500             | 4.62      |
| 25CAC25PK120      | <a href="#">88112446</a> | 15777         | CA10       | 25    | 120   | Candelabra | CC-2V           | -              | 1500             | 4.12      |
| 25CAC/L120        | <a href="#">88110945</a> | 40045         | CA10       | 25    | 120   | Candelabra | CC-2V           | -              | 4000             | 4.12      |
| 25FMCD26PK120     | <a href="#">89089412</a> | 18890         | F15        | 25    | 120   | Medium     | C-6             | -              | 1500             | 4.37      |
| 25FM/ACD26PK120   | <a href="#">89089413</a> | 18891         | F15        | 25    | 120   | Medium     | C-6             | -              | 1500             | 4.37      |
| 25GC25PK120       | <a href="#">88112450</a> | 15790         | G16.5      | 25    | 120   | Candelabra | CC-2V           | -              | 1500             | 3         |
| 25GC/W12PK120     | <a href="#">88315919</a> | 39679         | G16.5      | 25    | 120   | Candelabra | CC-2V           | -              | 1500             | 3         |
| 25GC-L120         | <a href="#">88110978</a> | 43158         | G16.5      | 25    | 120   | Candelabra | CC-2V           | -              | 4000             | 3         |
| 25G256PK120       | <a href="#">88110967</a> | 12983         | G25        | 25    | 120   | Medium     | C-9             | -              | 1500             | 4.5       |
| 25G25CPK120       | <a href="#">96077919</a> | 25545         | G25        | 25    | 120   | Medium     | C-9             | -              | 1500             | 4.5       |
| 25G25/L/24120     | <a href="#">91007342</a> | 20408         | G25        | 25    | 120   | Medium     | C-9             | -              | 4000             | 4.5       |
| 25G25/W6PK120     | <a href="#">88110970</a> | 12982         | G25        | 25    | 120   | Medium     | C-9             | -              | 1500             | 4.5       |
| 25G25/WCPK120     | <a href="#">96077920</a> | 25546         | G25        | 25    | 120   | Medium     | C-9             | -              | 1500             | 4.5       |
| 25G25/W/L/24120   | <a href="#">91007338</a> | 20410         | G25        | 25    | 120   | Medium     | C-9             | -              | 4000             | 4.5       |
| 40BC25PK120       | <a href="#">88112453</a> | 15788         | B10        | 40    | 120   | Candelabra | CC-2V           | -              | 1500             | 3.75      |
| 40BMCD2120        | <a href="#">88111147</a> | 12993         | B13        | 40    | 120   | Medium     | C-9             | -              | 1500             | 4.62      |
| 40CAMCARD4120     | <a href="#">88111162</a> | 16049         | CA9        | 40    | 120   | Medium     | CC-2V           | -              | 1500             | 4.56      |
| 40CAM/FCD26PK120  | <a href="#">99703485</a> | 48391         | CA9        | 40    | 120   | Medium     | CC-2V           | -              | 1500             | 4.56      |
| 40CAC25PK120      | <a href="#">88112454</a> | 15778         | CA10       | 40    | 120   | Candelabra | CC-2V           | -              | 1500             | 4.12      |
| 40CAC/FCARD4120   | <a href="#">88111156</a> | 16048         | CA10       | 40    | 120   | Candelabra | CC-2V           | -              | 1500             | 4.12      |
| 40CAC/L120        | <a href="#">88111158</a> | 40050         | CA10       | 40    | 120   | Candelabra | CC-2V           | -              | 4000             | 4.12      |
| 40FMCD26PK120     | <a href="#">89089416</a> | 18896         | F15        | 40    | 120   | Medium     | C-6             | -              | 1500             | 4.37      |
| 40GC12PK120       | <a href="#">88111189</a> | 14958         | G16.5      | 40    | 120   | Candelabra | CC-2V           | -              | 1500             | 3         |
| 40G256PK120       | <a href="#">88111178</a> | 12980         | G25        | 40    | 120   | Medium     | C-9             | -              | 1500             | 4.5       |
| 40G25CPK120       | <a href="#">96077921</a> | 25548         | G25        | 40    | 120   | Medium     | C-9             | -              | 1500             | 4.5       |
| 40G25/L/24120     | <a href="#">91007340</a> | 20419         | G25        | 40    | 120   | Medium     | C-9             | -              | 4000             | 4.5       |
| 40G25/W6PK120     | <a href="#">88111181</a> | 12979         | G25        | 40    | 120   | Medium     | C-9             | -              | 1500             | 4.5       |
| 40G25/W/L/24120   | <a href="#">91007334</a> | 20420         | G25        | 40    | 120   | Medium     | C-9             | -              | 4000             | 4.5       |
| 40G40/CL120       | <a href="#">88111183</a> | 37914         | G40        | 40    | 120   | Medium     | CC-6            | -              | 2500             | 6.93      |
| 40G40/W6PK120     | <a href="#">88111186</a> | 36191         | G40        | 40    | 120   | Medium     | CC-6            | -              | 2500             | 6.93      |
| 60BC/CD4120       | <a href="#">98303674</a> | 27298         | B10        | 60    | 120   | Candelabra | CC-2V           | -              | 1500             | 3.75      |
| 60CAC25PK120      | <a href="#">88112465</a> | 15781         | CA10       | 60    | 120   | Candelabra | CC-2V           | -              | 1500             | 4.12      |
| 60GCCD2120        | <a href="#">93145747</a> | 23091         | G16.5      | 60    | 120   | Candelabra | CC-2V           | -              | 1500             | 3         |
| 60G256PK120       | <a href="#">88111391</a> | 14846         | G25        | 60    | 120   | Medium     | C-9             | -              | 1500             | 4.5       |
| 60G25/24120       | <a href="#">91007336</a> | 20427         | G25        | 60    | 120   | Medium     | C-9             | -              | 1500             | 4.5       |
| 60G25/W6PK120     | <a href="#">88111394</a> | 14848         | G25        | 60    | 120   | Medium     | C-9             | -              | 1500             | 4.5       |
| 60G25/W/24120     | <a href="#">91007337</a> | 20428         | G25        | 60    | 120   | Medium     | C-9             | -              | 1500             | 4.5       |
| 60G40/W6PK120     | <a href="#">88111401</a> | 49780         | G40        | 60    | 120   | Medium     | CC-6            | -              | 2500             | 6.93      |
| 100G40/W6PK120    | <a href="#">88110519</a> | 49781         | G40        | 100   | 120   | Medium     | CC-6            | -              | 2500             | 6.93      |
| 100G40/WCPK120    | <a href="#">88112439</a> | 16742         | G40        | 100   | 120   | Medium     | CC-6            | -              | 2500             | 6.93      |

### A-Line / Decorative

General Electric Co.

| Mfg. No.        | Advanced ID              | GE Order Code | Bulb Shape | Watts | Volts   | Base Type | Average Rated Life (Hrs) | Lumens Initial | Color Temp. (K) |
|-----------------|--------------------------|---------------|------------|-------|---------|-----------|--------------------------|----------------|-----------------|
| 50A/HAL6PK120   | <a href="#">93145816</a> | 20647         | TB19       | 50    | 120     | Medium    | 2000                     | 710            | 2800            |
| 60BTT/SW/CD120  | <a href="#">22079019</a> | 10038         | BT14.5     | 60    | 120     | Medium    | 3000                     | 840            | 2800            |
| 75A/HALPQ1/6120 | <a href="#">99575312</a> | 45259         | TB19       | 75    | 120     | Medium    | 3000                     | 1170           | 2850            |
| 90A/HAL6PK120   | <a href="#">93145817</a> | 20648         | TB19       | 90    | 120     | Medium    | 2000                     | 1580           | 2930            |
| 90TB/H130       | <a href="#">89089481</a> | 16745         | TB19       | 90/81 | 130/120 | Medium    | 4000/4000                | 1580/1220      | 2930            |
| 100BTT/SW/CD120 | <a href="#">22079020</a> | 10042         | BT14.5     | 100   | 120     | Medium    | 3000                     | 1600           | 2900            |

## MR-16 and MR-11

General Electric Co.

| Mfg. No.  | Advanced ID              | GE Order Code | Bulb Shape | Watts | Volts | Base Type     | Average Rated Life (Hrs) | Lumens Initial | Color Temp. (K) |
|---|--------------------------|---------------|------------|-------|-------|---------------|--------------------------|----------------|-----------------|
| <b>Diamond Precise® Electronic MR16</b>         |                          |               |            |       |       |               |                          |                |                 |
| Q21EMR16CFL25MED120                             | <a href="#">22072242</a> | 48546         | MR16       | 21    | 120   | Medium        | 5000                     | 260            | 2950            |
| Q21EMR16/C/FL25/CD120                           | <a href="#">22102757</a> | 48548         | MR16       | 21    | 120   | Medium        | 5000                     | 260            | 2950            |
| <b>Turn &amp; Lock ConstantColor®</b>           |                          |               |            |       |       |               |                          |                |                 |
| 50MR16/Q/10/TL12                                | <a href="#">93145838</a> | 30901         | MR16       | 50    | 12    | Turn and Lock | 3500                     | -              | 3000            |
| 50MR16/Q/20/TL12                                | <a href="#">93145837</a> | 30900         | MR16       | 50    | 12    | Turn and Lock | 3500                     | -              | 3000            |
| 50MR16/Q/40/TL12                                | <a href="#">93145842</a> | 30899         | MR16       | 50    | 12    | Turn and Lock | 3500                     | -              | 3000            |
| <b>ConstantColor® Precise™ Cover Glass MR16</b> |                          |               |            |       |       |               |                          |                |                 |
| Q20MR16C/CG15 ESX                               | <a href="#">92042209</a> | 20858         | MR16       | 20    | 12    | 2-Pin GU5.3   | 5000                     | -              | 2900            |
| Q20MR16C/CG40BAB                                | <a href="#">92042208</a> | 20857         | MR16       | 20    | 12    | 2-Pin GU5.3   | 5000                     | -              | 2900            |
| Q35MR16C/CG40FMW                                | <a href="#">92042210</a> | 20859         | MR16       | 35    | 12    | 2-Pin GU5.3   | 5000                     | -              | 3000            |
| Q35MR16/CCG402424                               | <a href="#">99703181</a> | 41487         | MR16       | 35    | 24    | 2-Pin GU5.3   | 4000                     | -              | 2950            |
| Q50MR16C/CG1512                                 | <a href="#">92126512</a> | 20872         | MR16       | 50    | 12    | 2-Pin GU5.3   | 6000                     | -              | 3050            |
| Q50MR16C/CG25 EXZ                               | <a href="#">92042200</a> | 20871         | MR16       | 50    | 12    | 2-Pin GU5.3   | 6000                     | -              | 3050            |
| Q50MR16C/CG40EXN                                | <a href="#">92042207</a> | 20867         | MR16       | 50    | 12    | 2-Pin GU5.3   | 6000                     | -              | 3050            |
| Q50MR16C/CG55 FNV                               | <a href="#">92042206</a> | 20865         | MR16       | 50    | 12    | 2-Pin GU5.3   | 6000                     | -              | 3050            |
| Q50MR16/CCG402424                               | <a href="#">99691804</a> | 41489         | MR16       | 50    | 24    | 2-Pin GU5.3   | 4000                     | -              | 2950            |
| Q71MR16C/CG40EYC                                | <a href="#">92042201</a> | 20873         | MR16       | 71    | 12    | 2-Pin GU5.3   | 4000                     | -              | 3050            |
| <b>ConstantColor® Precise™ MR16</b>             |                          |               |            |       |       |               |                          |                |                 |
| Q20MR16C/VNSP710PK                              | <a href="#">92042226</a> | 20816         | MR16       | 20    | 12    | 2-Pin GX5.3   | 3000                     | -              | 2900            |
| Q20MR16C/NSP1510PK                              | <a href="#">92042225</a> | 20815         | MR16       | 20    | 12    | 2-Pin GX5.3   | 5000                     | -              | 2900            |
| Q20MR16C/FL4010PK                               | <a href="#">92042224</a> | 20814         | MR16       | 20    | 12    | 2-Pin GX5.3   | 5000                     | -              | 2900            |
| Q35MR16C/SP2010PK                               | <a href="#">92042221</a> | 20826         | MR16       | 35    | 12    | 2-Pin GX5.3   | 5000                     | -              | 3000            |
| Q35MR16C/FL4010PK                               | <a href="#">92042220</a> | 20825         | MR16       | 35    | 12    | 2-Pin GX5.3   | 5000                     | -              | 3000            |
| Q42MR16C/VNSP910PK                              | <a href="#">92042214</a> | 20830         | MR16       | 42    | 12    | 2-Pin GX5.3   | 3500                     | -              | 3000            |
| Q50MR16C/NSP1510PK                              | <a href="#">92042219</a> | 20839         | MR16       | 50    | 12    | 2-Pin GX5.3   | 6000                     | -              | 3050            |
| Q50MR16C/NFL2510PK                              | <a href="#">92042218</a> | 20835         | MR16       | 50    | 12    | 2-Pin GX5.3   | 6000                     | -              | 3050            |
| Q50MR16C/NFL3010PK                              | <a href="#">92042217</a> | 20834         | MR16       | 50    | 12    | 2-Pin GX5.3   | 6000                     | -              | 3050            |
| Q50MR16C/FL4010PK                               | <a href="#">92042216</a> | 20833         | MR16       | 50    | 12    | 2-Pin GX5.3   | 6000                     | -              | 3050            |
| Q50MR16C/WFL5510PK                              | <a href="#">92042215</a> | 20832         | MR16       | 50    | 12    | 2-Pin GX5.3   | 6000                     | -              | 3050            |
| Q71MR16C/NSP1510PK                              | <a href="#">92042213</a> | 20843         | MR16       | 71    | 12    | 2-Pin GX5.3   | 4000                     | -              | 3050            |
| Q71MR16C/NFL2510PK                              | <a href="#">92042212</a> | 20841         | MR16       | 71    | 12    | 2-Pin GX5.3   | 4000                     | -              | 3050            |
| Q71MR16C/FL4010PK                               | <a href="#">92042211</a> | 20840         | MR16       | 71    | 12    | 2-Pin GX5.3   | 4000                     | -              | 3050            |
| <b>Precise™ Cover Glass IR MR16</b>             |                          |               |            |       |       |               |                          |                |                 |
| Q37MR16/HIR/CG1012                              | <a href="#">22108584</a> | 16715         | MR16       | 37    | 12    | 2-Pin GU5.3   | 4000                     | -              | 3000            |
| Q37MR16/HIR/CG2512                              | <a href="#">22108586</a> | 16716         | MR16       | 37    | 12    | 2-Pin GU5.3   | 4000                     | -              | 3000            |
| Q50MR16/HIR/CG25120                             | <a href="#">22079949</a> | 16719         | MR16       | 50    | 12    | 2-Pin GU5.3   | 4000                     | -              | 3000            |
| <b>Standard MR16</b>                            |                          |               |            |       |       |               |                          |                |                 |
| Q20MR16/FL12                                    | <a href="#">97119890</a> | 25480         | MR16       | 20    | 12    | 2-Pin GX5.3   | 2000                     | -              | 2900            |
| Q50MR16/SP12                                    | <a href="#">97119893</a> | 25483         | MR16       | 50    | 12    | 2-Pin GX5.3   | 2000                     | -              | 2900            |
| Q50MR16/FL12                                    | <a href="#">97119892</a> | 25482         | MR16       | 50    | 12    | 2-Pin GX5.3   | 2000                     | -              | 2900            |
| <b>Standard MR11</b>                            |                          |               |            |       |       |               |                          |                |                 |
| Q20MR11/NFL30 FTD 12                            | <a href="#">93145843</a> | 30773         | MR11       | 20    | 12    | 2-Pin GZ4     | 3500                     | -              | 2900            |
| Q35MR11/NFL30 FTH 12                            | <a href="#">93145839</a> | 30890         | MR11       | 35    | 12    | 2-Pin GZ4     | 3500                     | -              | 2900            |
| <b>120V MR16</b>                                |                          |               |            |       |       |               |                          |                |                 |
| Q50GU10/FL/CD                                   | <a href="#">22115399</a> | 16751         | MR16       | 50    | 120   | GU10          | 3000                     | -              | 2750            |

# Lamps, Lighting & Ballasts

## Lamps, Halogen

### PAR

General Electric Co.

| Mfg. No.                              | Advanced ID     | GE Order Code | Bulb Shape | Watts  | Volts   | Base Type      | Average Rated Life (Hrs) | Lumens Initial | Color Temp. (K) |
|---------------------------------------|-----------------|---------------|------------|--------|---------|----------------|--------------------------|----------------|-----------------|
| <b>Retail HIR™ &amp; Silv-IR</b>      |                 |               |            |        |         |                |                          |                |                 |
| 50PAR/HIR/S/SP10120                   | <b>99703338</b> | 46168         | PAR38      | 50     | 120     | Medium Skirted | 4000                     | 800            | 2750            |
| 55PAR/HIR/R/SP10120                   | <b>22082733</b> | 16346         | PAR38      | 55     | 120     | Medium Skirted | 4000                     | 1050           | 2800            |
| 90PAR/HIR/R/FL25120                   | <b>22108579</b> | 16349         | PAR38      | 90     | 120     | Medium Skirted | 4000                     | 2030           | 2850            |
| <b>HIR XL® (UltraLong Life) PAR38</b> |                 |               |            |        |         |                |                          |                |                 |
| 45PAR/HIR/SP12XL120                   | <b>99426260</b> | 40793         | PAR38      | 45     | 120     | Medium Skirted | 6000                     | 600            | 2680            |
| 45PAR/HIR/FL40XL120                   | <b>99426261</b> | 40790         | PAR38      | 45     | 120     | Medium Skirted | 6000                     | 600            | 2680            |
| 55PAR/HIR/SP12XL120                   | <b>99426263</b> | 40794         | PAR38      | 55     | 120     | Medium Skirted | 6000                     | 800            | 2680            |
| 55PAR/HIR/FL40XL120                   | <b>99426264</b> | 40792         | PAR38      | 55     | 120     | Medium Skirted | 6000                     | 800            | 2680            |
| 90PAR/HIR/SP12XL120                   | <b>99426266</b> | 40795         | PAR38      | 90     | 120     | Medium Skirted | 6000                     | 1470           | 2800            |
| 90PAR/HIR/FL40XL120                   | <b>99426269</b> | 40791         | PAR38      | 90     | 120     | Medium Skirted | 6000                     | 1470           | 2800            |
| <b>HIR™</b>                           |                 |               |            |        |         |                |                          |                |                 |
| 50PAR/HIR/SP9120                      | <b>94058595</b> | 12396         | PAR38      | 50     | 120     | Medium Skirted | 3000                     | 800            | 2810            |
| 50PAR/HIR/FL25120                     | <b>94056830</b> | 12397         | PAR38      | 50     | 120     | Medium Skirted | 3000                     | 800            | 2810            |
| 60PAR/HIR/SP10120                     | <b>89089440</b> | 18627         | PAR38      | 60     | 120     | Medium Skirted | 3000                     | 1050           | 2850            |
| 60PAR/HIR/SP10130                     | <b>89089442</b> | 18629         | PAR38      | 60/54  | 130/120 | Medium Skirted | 3000/6000                | 1050/800       | 2850            |
| 60PAR/HIR/FL30120                     | <b>89089439</b> | 18626         | PAR38      | 60     | 120     | Medium Skirted | 3000                     | 1050           | 2850            |
| 60PAR/HIR/FL30130                     | <b>89089441</b> | 18628         | PAR38      | 60/54  | 130/120 | Medium Skirted | 3000/6000                | 1050/800       | 2850            |
| 60PAR/HIR/FL40120                     | <b>93196666</b> | 10467         | PAR38      | 60     | 120     | Medium Skirted | 3000                     | 1050           | 2850            |
| 60PAR/HIR/WFL120                      | <b>92042193</b> | 20947         | PAR38      | 60     | 120     | Medium Skirted | 3000                     | 1050           | 2850            |
| 60PAR/HIR/WFL130                      | <b>92042194</b> | 20948         | PAR38      | 60/54  | 130/120 | Medium Skirted | 3000/6000                | 1050/800       | 2850            |
| 80PAR/HIR/FL25120                     | <b>98307595</b> | 27218         | PAR38      | 80     | 120     | Medium Skirted | 3000                     | 1500           | 2900            |
| 100PAR/HIR/SP10120                    | <b>89089437</b> | 18635         | PAR38      | 100    | 120     | Medium Skirted | 3000                     | 2030           | 2900            |
| 100PAR/HIR/SP10130                    | <b>89089438</b> | 18636         | PAR38      | 100/88 | 130/120 | Medium Skirted | 3000/6000                | 2030/1470      | 2900            |
| 100PAR/HIR/FL25120                    | <b>89089435</b> | 18631         | PAR38      | 100    | 120     | Medium Skirted | 3000                     | 2030           | 2900            |
| 100PAR/HIR/FL25130                    | <b>89089436</b> | 18633         | PAR38      | 100/88 | 130/120 | Medium Skirted | 3000/6000                | 2030/1470      | 2900            |
| 100PAR/HIR/FL40120                    | <b>93196664</b> | 10473         | PAR38      | 100    | 120     | Medium Skirted | 3000                     | 2030           | 2900            |
| <b>Halogen Plus</b>                   |                 |               |            |        |         |                |                          |                |                 |
| 45PAR/H/SP10120                       | <b>89027909</b> | 17470         | PAR38      | 45     | 120     | Medium Skirted | 2500                     | 540            | 2750            |
| 45PAR/H/SP10130130                    | <b>88111217</b> | 16229         | PAR38      | 45/40  | 130/120 | Medium Skirted | 2500/5000                | 540/410        | 2750            |
| 45PAR/H/FL256PK120                    | <b>89027910</b> | 17471         | PAR38      | 45     | 120     | Medium Skirted | 2500                     | 540            | 2750            |
| 45PAR/H/FL25130                       | <b>88111213</b> | 16231         | PAR38      | 45/40  | 130/120 | Medium Skirted | 2500/5000                | 540/410        | 2750            |
| 60PAR/H/SP10120                       | <b>97119874</b> | 25266         | PAR38      | 60     | 120     | Medium Skirted | 3000                     | 800            | 2800            |
| 60PAR/H/SP10130                       | <b>97107552</b> | 25270         | PAR38      | 60/54  | 130/120 | Medium Skirted | 3000/6000                | 800/608        | 2800            |
| 60PAR/H/FL25120                       | <b>97119875</b> | 25269         | PAR38      | 60     | 120     | Medium Skirted | 3000                     | 800            | 2800            |
| 60PAR/H/FL25130                       | <b>97107551</b> | 25271         | PAR38      | 60/54  | 130/120 | Medium Skirted | 3000/6000                | 800/608        | 2800            |
| 75PAR/H/SP9-6PK120                    | <b>95078768</b> | 14751         | PAR38      | 75     | 120     | Medium Skirted | 2500                     | 1050           | 2850            |
| 75PAR/H/FL25-6PK120                   | <b>96011631</b> | 14748         | PAR38      | 75     | 120     | Medium Skirted | 2500                     | 1050           | 2850            |
| 75PAR/H/FL25130                       | <b>92042161</b> | 21389         | PAR38      | 75/66  | 130/120 | Medium Skirted | 2500/5000                | 1050/800       | 2850            |
| 90PAR/H/SP10-6PK120                   | <b>89027911</b> | 17450         | PAR38      | 90     | 120     | Medium Skirted | 2500                     | 1310           | 2900            |
| 90PAR/H/SP10130                       | <b>88111586</b> | 13311         | PAR38      | 90/79  | 130/120 | Medium Skirted | 2500/5000                | 1310/1000      | 2900            |
| 90PAR/H/FL25-6PK120                   | <b>89027912</b> | 17451         | PAR38      | 90     | 120     | Medium Skirted | 2500                     | 1310           | 2900            |
| 90PAR/H/FL25130                       | <b>88111583</b> | 13308         | PAR38      | 90/79  | 130/120 | Medium Skirted | 2500/5000                | 1310/1000      | 2900            |
| 90PAR/H/WFL-120V120                   | <b>97273502</b> | 25727         | PAR38      | 90     | 120     | Medium Skirted | 2500                     | 1310           | 2900            |
| 120PAR/H/SP9120                       | <b>99555239</b> | 41632         | PAR38      | 120    | 120     | Medium Skirted | 2500                     | 1900           | 2950            |
| 120PAR/H/FL30120                      | <b>99544688</b> | 41631         | PAR38      | 120    | 120     | Medium Skirted | 2500                     | 1900           | 2950            |
| <b>Standard Halogen</b>               |                 |               |            |        |         |                |                          |                |                 |
| 50PAR/H/SP10-6PK120                   | <b>95045481</b> | 17980         | PAR38      | 50     | 120     | Medium Skirted | 2000                     | 600            | 2750            |
| 50PAR/H/FL25-6PK120                   | <b>95045487</b> | 17979         | PAR38      | 50     | 120     | Medium Skirted | 2000                     | 600            | 2750            |
| 50PAR/H/FL130V130                     | <b>95044710</b> | 17926         | PAR38      | 50/46  | 130/120 | Medium Skirted | 2000/4000                | 600/450        | 2750            |
| 100PAR/H/SP10120                      | <b>95045480</b> | 17992         | PAR38      | 100    | 120     | Medium Skirted | 2000                     | 1500           | 2900            |
| 100PAR/H/FL25120                      | <b>95045484</b> | 17986         | PAR38      | 100    | 120     | Medium Skirted | 2000                     | 1500           | 2900            |
| 100PAR/H/FL25130                      | <b>95044712</b> | 17947         | PAR38      | 100/88 | 130/120 | Medium Skirted | 2000/4000                | 1500/1150      | 2900            |
| <b>Cool Beam PAR38</b>                |                 |               |            |        |         |                |                          |                |                 |
| 90PAR/CB/H/FL25120                    | <b>88312581</b> | 17691         | PAR38      | 90     | 120     | Medium Skirted | 2500                     | 1260           | 2870            |
| <b>Quartzline®</b>                    |                 |               |            |        |         |                |                          |                |                 |
| Q250PAR/SP10120                       | <b>88112356</b> | 23719         | PAR38      | 250    | 120     | Medium Skirted | 4200                     | 3600           | 2880            |

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## PAR

General Electric Co.

| Mfg. No.                       | Advanced ID     | GE Order Code | Bulb Shape | Watts | Volts   | Base Type      | Average Rated Life (Hrs) | Lumens Initial | Color Temp. (K) |
|--------------------------------|-----------------|---------------|------------|-------|---------|----------------|--------------------------|----------------|-----------------|
| <b>Quartzline®</b>             |                 |               |            |       |         |                |                          |                |                 |
| Q250PAR/FL30120                | <b>88112355</b> | 23718         | PAR38      | 250   | 120     | Medium Skirted | 4200                     | 3600           | 2880            |
| <b>Compact HIR™</b>            |                 |               |            |       |         |                |                          |                |                 |
| 50PAR30/HIR/SP9120             | <b>92143096</b> | 19902         | PAR30      | 50    | 120     | Medium         | 4000                     | 825            | 2810            |
| 50PAR30HIR/FL25120             | <b>92143095</b> | 19901         | PAR30      | 50    | 120     | Medium         | 4000                     | 825            | 2810            |
| 50PAR30/HIR/FL35130            | <b>93145820</b> | 19903         | PAR30      | 50/46 | 130/120 | Medium         | 3000/6000                | 825/620        | 2810            |
| <b>Compact PAR30 Long Neck</b> |                 |               |            |       |         |                |                          |                |                 |
| 50PAR30L/H/SP10120             | <b>95078710</b> | 14940         | PAR30L     | 50/46 | 130/120 | Medium         | 3000/6000                | 580/460        | 2800            |
| 50PAR30L/H/SP10130             | <b>93196651</b> | 11117         | PAR30L     | 50/46 | 130/120 | Medium         | 3000/6000                | 580/460        | 2800            |
| 50PAR30L/H/FL40120             | <b>93176870</b> | 11116         | PAR30L     | 50    | 120     | Medium         | 3000                     | 580            | 2800            |
| 50PAR30L/H/FL40130             | <b>93176480</b> | 11123         | PAR30L     | 50/46 | 130/120 | Medium         | 3000/6000                | 580/460        | 2800            |
| 50PAR30L/H/WFL120              | <b>95078711</b> | 14941         | PAR30L     | 50    | 120     | Medium         | 3000                     | 630            | 2800            |
| 75PAR30L/H/SP10120             | <b>93196644</b> | 11124         | PAR30L     | 75    | 120     | Medium         | 3000                     | 940            | 2830            |
| 75PAR30L/H/SP10130             | <b>93196647</b> | 11129         | PAR30L     | 75/66 | 130/120 | Medium         | 3000/6000                | 940/751        | 2830            |
| 75PAR30L/H/FL25120             | <b>95078713</b> | 14943         | PAR30L     | 75    | 120     | Medium         | 3000                     | 940            | 2830            |
| 75PAR30L/H/FL25130             | <b>93176457</b> | 11131         | PAR30L     | 75/66 | 130/120 | Medium         | 3000/6000                | 940/751        | 2830            |
| 75PAR30L/H/WFL120              | <b>95078712</b> | 16393         | PAR30L     | 75    | 120     | Medium         | 3000                     | 1050           | 2830            |
| <b>Compact PAR30</b>           |                 |               |            |       |         |                |                          |                |                 |
| 50PAR30/H/SP10120              | <b>96011643</b> | 14023         | PAR30      | 50    | 120     | Medium         | 3000                     | 630            | 2800            |
| 50PAR30/H/SP10130              | <b>88312560</b> | 17870         | PAR30      | 50/46 | 130/120 | Medium         | 3000/6000                | 630/500        | 2800            |
| 50PAR30/H/FL25120              | <b>88312561</b> | 17871         | PAR30      | 50    | 120     | Medium         | 3000                     | 630            | 2800            |
| 50PAR30/H/FL25130              | <b>88312562</b> | 17872         | PAR30      | 50/46 | 130/120 | Medium         | 3000/6000                | 630/500        | 2800            |
| 50PAR30/H/FL35/6PK120          | <b>96011642</b> | 14022         | PAR30      | 50    | 120     | Medium         | 3000                     | 630            | 2800            |
| 50PAR30/H/FL35130              | <b>88312564</b> | 17874         | PAR30      | 50/46 | 130/120 | Medium         | 3000/6000                | 630/500        | 2800            |
| 60PAR30/H/NSP9120              | <b>97218791</b> | 27212         | PAR30      | 60    | 120     | Medium         | 3000                     | 800            | 2800            |
| 60PAR30/H/FL25120              | <b>98307591</b> | 40167         | PAR30      | 60    | 120     | Medium         | 3000                     | 800            | 2800            |
| 60PAR30/H/FL35120              | <b>97218790</b> | 27214         | PAR30      | 60    | 120     | Medium         | 3000                     | 800            | 2800            |
| 75PAR30/H/SP10120              | <b>96011629</b> | 14802         | PAR30      | 75    | 120     | Medium         | 3000                     | 1030           | 2830            |
| 75PAR30/H/SP10130              | <b>88312554</b> | 18056         | PAR30      | 75/66 | 130/120 | Medium         | 3000/6000                | 1030/790       | 2830            |
| 75PAR30/H/FL25120              | <b>88312555</b> | 18057         | PAR30      | 75    | 120     | Medium         | 3000                     | 1030           | 2830            |
| 75PAR30/H/FL35120              | <b>96011630</b> | 14779         | PAR30      | 75    | 120     | Medium         | 3000                     | 1030           | 2830            |
| 75PAR30/H/FL35130              | <b>88312552</b> | 18060         | PAR30      | 75/66 | 130/120 | Medium         | 3000/6000                | 1030/790       | 2830            |
| <b>Compact PAR20</b>           |                 |               |            |       |         |                |                          |                |                 |
| 50PAR20/H/SP10120              | <b>95078714</b> | 14927         | PAR20      | 50    | 120     | Medium         | 2500                     | 570            | 2800            |
| 50PAR20/H/SP10130              | <b>88312566</b> | 17866         | PAR20      | 50/46 | 130/120 | Medium         | 2500/5000                | 570/498        | 2800            |
| 50PAR20H/FL25120               | <b>95076868</b> | 14928         | PAR20      | 50    | 120     | Medium         | 2500                     | 570            | 2800            |
| 50PAR20/H/FL25130              | <b>88312568</b> | 17868         | PAR20      | 50/46 | 130/120 | Medium         | 2500/5000                | 570/498        | 2800            |
| <b>Halogen Compact PAR16</b>   |                 |               |            |       |         |                |                          |                |                 |
| 60PAR16/H/SP10120              | <b>99567917</b> | 41628         | PAR16      | 60    | 120     | Medium         | 2000                     | 650            | 2950            |
| 60PAR16/H/FL30120              | <b>99567918</b> | 41623         | PAR16      | 60    | 120     | Medium         | 2000                     | 650            | 2950            |
| 75PAR16/H/SP10120              | <b>99567235</b> | 41630         | PAR16      | 75    | 120     | Medium         | 2000                     | 900            | 2950            |
| 75PAR16/H/FL30120              | <b>99539031</b> | 41629         | PAR16      | 75    | 120     | Medium         | 2000                     | 900            | 2950            |
| <b>Halogen PAR36</b>           |                 |               |            |       |         |                |                          |                |                 |
| 35PAR36/H/FL3012               | <b>92042245</b> | 19877         | PAR36      | 35    | 12      | Screw Terminal | 4000                     | 250            | 3050            |
| 50PAR36/H/FL3012               | <b>92042243</b> | 19880         | PAR36      | 50    | 12      | Screw Terminal | 4000                     | 400            | 3050            |

### Quartz

General Electric Co.

| Mfg. No.                       | Advanced ID     | GE Order Code | Bulb Shape | Watts | Volts | Base Type                | Average Rated Life (Hrs) | Lumens Initial | Color Temp. (K) |
|--------------------------------|-----------------|---------------|------------|-------|-------|--------------------------|--------------------------|----------------|-----------------|
| <b>Quartz Halogen</b>          |                 |               |            |       |       |                          |                          |                |                 |
| Q5T3/CL12                      | <b>89089464</b> | 42959         | T3         | 5     | 12    | 2-Pin G4                 | 2000                     | 60             | -               |
| Q10T3/CL/CD5PK12               | <b>89089390</b> | 19371         | T3         | 10    | 12    | 2-Pin G4                 | 2000                     | 140            | -               |
| Q20T2.5/12V/CL12               | <b>95029491</b> | 34715         | T3         | 20    | 12    | 2-Pin G4                 | 2000                     | 350            | -               |
| Q20T3/CL/CD5PK12               | <b>89089391</b> | 19375         | T3         | 20    | 12    | 2-Pin G4                 | 2000                     | 350            | -               |
| Q35G8/CD                       |                 | 48428         | T4         | 35    | 120   | 2-Pin G8                 | 1500                     | -              | -               |
| Q35T3/12V/CL12                 | <b>95029499</b> | 34708         | T3         | 35    | 12    | 2-Pin GY6.35             | 2000                     | 550            | -               |
| Q50T3/12V/CL12                 | <b>95029492</b> | 34702         | T3         | 50    | 12    | 2-Pin GY6.35             | 2000                     | 850            | -               |
| Q50T4/CL/CD5PK12               | <b>89089392</b> | 19376         | T4         | 50    | 12    | 2-Pin GY6.35             | 2000                     | 950            | -               |
| Q100T3/12V/CL12                | <b>95029494</b> | 34676         | T3         | 100   | 12    | 2-Pin GY6.35             | 2000                     | 2350           | -               |
| Q100T3/24V/CL24                | <b>95029495</b> | 34663         | T3         | 100   | 24    | 2-Pin GY6.35             | 2000                     | 2000           | -               |
| <b>HIR™</b>                    |                 |               |            |       |       |                          |                          |                |                 |
| Q350T3/CL/HIR120               | <b>88112369</b> | 13894         | T2.5       | 350   | 120   | R7s                      | 2000                     | 10000          | 3075            |
| Q900T3/CL/HIR277               | <b>88112323</b> | 14335         | T2.5       | 900   | 277   | R7s                      | 2000                     | 31000          | 3160            |
| <b>Quartzline(REG) Halogen</b> |                 |               |            |       |       |                          |                          |                |                 |
| Q40G9/CD                       | <b>25045141</b> | 16755         | T4         | 40    | 120   | G9                       | 2000                     | 480            | 2750            |
| <b>Quartzline®</b>             |                 |               |            |       |       |                          |                          |                |                 |
| Q75CL/MC/CD120                 | <b>94056840</b> | 12715         | T3         |       | 120   | Miniature Candelabra     | 1000                     | 1050           | 2850            |
| Q100T3/CL/CD5PK120             | <b>93145782</b> | 22489         | T3         | 100   | 120   | R7s                      | 1500                     | 1650           | 2950            |
| Q100MC120                      | <b>88112319</b> | 16452         | T4         | 100   | 120   | Miniature Candelabra     | 2000                     | 1550           | 2950            |
| Q100CL/MC120                   | <b>88112315</b> | 15507         | T4         | 100   | 120   | Miniature Candelabra     | 2000                     | 1600           | 2950            |
| Q100CL/MC/2V120                | <b>88112316</b> | 44385         | T4         | 100   | 120   | Miniature Candelabra     | 750                      | 1800           | 2950            |
| Q100DC120                      | <b>88112317</b> | 16451         | T4         | 100   | 120   | DC Bayonet               | 2000                     | 1550           | 2950            |
| Q100CL/DC120                   | <b>88112313</b> | 15508         | T4         | 100   | 120   | DC Bayonet               | 2000                     | 1600           | 2950            |
| Q100CL/DC/2V120                | <b>88112314</b> | 44386         | T4         | 100   | 120   | DC Bayonet               | 750                      | 1800           | 2950            |
| Q150T3/CL/CD5PK120             | <b>89089394</b> | 19378         | T3         | 150   | 120   | R7s                      | 1500                     | 2400           | 2950            |
| Q150MC120                      | <b>88112332</b> | 44654         | T4         | 150   | 120   | Miniature Candelabra     | 2000                     | 2700           | 2950            |
| Q150CL/MC120                   | <b>88112329</b> | 43694         | T4         | 150   | 120   | Miniature Candelabra     | 2000                     | 2800           | 2950            |
| Q150DC120                      | <b>88112331</b> | 44653         | T4         | 150   | 120   | DC Bayonet               | 2000                     | 2700           | 2950            |
| Q150CL/DC120                   | <b>88112327</b> | 43693         | T4         | 150   | 120   | DC Bayonet               | 2000                     | 2800           | 2950            |
| Q200T4/CL6.6A                  | <b>88112338</b> | 40702         | T4         | 200   | -     | 2-Pin Prefocus           | 500                      | 4500           |                 |
| Q250T3/CL-6PK120               | <b>90045511</b> | 22865         | T2.5       | 250   | 120   | R7s                      | 1500                     | 4000           | 2950            |
| Q250MC120                      | <b>88112353</b> | 43695         | T4         | 250   | 120   | Miniature Candelabra     | 2000                     | 4850           | 2950            |
| Q250MC130                      | <b>88112354</b> | 43696         | T4         | 250   | 130   | Miniature Candelabra     | 2000                     | 4850           | 2950            |
| Q250CL/MC120                   | <b>88112349</b> | 43699         | T4         | 250   | 120   | Miniature Candelabra     | 2000                     | 5000           | 2950            |
| Q250CL/MC130                   | <b>88112350</b> | 43700         | T4         | 250   | 130   | Miniature Candelabra     | 2000                     | 5000           | 2950            |
| Q250DC120                      | <b>88112351</b> | 43701         | T4         | 250   | 120   | DC Bayonet               | 2000                     | 4850           | 2950            |
| Q250CL/DC120                   | <b>88112347</b> | 43697         | T4         | 250   | 120   | DC Bayonet               | 2000                     | 5000           | 2950            |
| Q250CL/DC130                   | <b>88112348</b> | 43698         | T4         | 250   | 130   | DC Bayonet               | 2000                     | 5000           | 2950            |
| Q300T3/CL-6PK120               | <b>88321463</b> | 43703         | T2.5       | 300   | 120   | R7s                      | 2000                     | 5950           | 2950            |
| Q300T3/CL/CD5PK120             | <b>89089395</b> | 19379         | T2.5       | 300   | 120   | R7s                      | 2000                     | 5950           | 2950            |
| Q300T4/CL120                   | <b>88112360</b> | 43705         | T4         | 300   | 120   | R7s                      | 2000                     | 5650           | 2900            |
| Q400MC120                      | <b>88112362</b> | 43706         | T4         | 400   | 120   | Miniature Candelabra     | 2000                     | 7850           | 2950            |
| Q400CL/MC120                   | <b>88112361</b> | 43707         | T4         | 400   | 120   | Miniature Candelabra     | 2000                     | 8250           | 2950            |
| Q500T3/CL120                   | <b>88112497</b> | 23731         | T2.5       | 500   | 120   | R7s                      | 2000                     | 11100          | 3000            |
| Q500T3/CL125/0                 | <b>88112498</b> | 23733         | T2.5       | 500   | 130   | R7s                      | 2000                     | 10550          | 3000            |
| Q500T3/CL/6-12PK120            | <b>88112378</b> | 23744         | T2.5       | 500   | 120   | R7s                      | 1500                     | 10950          | 3000            |
| Q500T3/CL/CD5PK120             | <b>89089385</b> | 19382         | T2.5       | 500   | 120   | R7s                      | 2000                     | 11100          | 3000            |
| Q500DC120                      | <b>88112372</b> | 43709         | T4         | 500   | 120   | DC Bayonet               | 2000                     | 10100          | 2950            |
| Q500CL/DC120                   | <b>88112371</b> | 43710         | T4         | 500   | 120   | DC Bayonet               | 2000                     | 10450          | 2950            |
| Q500PAR56NSP120                | <b>88112374</b> | 43494         | PAR56      | 500   | 120   | Mogul End Prong          | 4000                     | 8000           | 2950            |
| Q500PAR56MFL120                | <b>88112373</b> | 43495         | PAR56      | 500   | 120   | Mogul End Prong          | 4000                     | 8000           | 2950            |
| Q500PAR56WFL120                | <b>88112375</b> | 43496         | PAR56      | 500   | 120   | Mogul End Prong          | 4000                     | 8000           | 2950            |
| Q1000T3/CL-6PK240              | <b>88112311</b> | 43712         | T3         | 1000  | 240   | R7s                      | 2000                     | 21500          | 3050            |
| Q1000T6/CL120                  | <b>88112312</b> | 23800         | T6         | 1000  | 120   | R7s                      | 2000                     | 23400          | 3200            |
| Q1000PAR64NSPK120              | <b>88112306</b> | 43497         | PAR64      | 1000  | 120   | Extended Mogul End Prong | 4000                     | 19400          | 3000            |
| Q1000PAR64MFLK120              | <b>88112305</b> | 43498         | PAR64      | 1000  | 120   | Extended Mogul End Prong | 4000                     | 19400          | 3000            |

Continued ►

## Quartz

General Electric Co.

| Mfg. No.           | Advanced ID     | GE Order Code | Bulb Shape | Watts | Volts | Base Type                | Average Rated Life (Hrs) | Lumens Initial | Color Temp. (K) |
|--------------------|-----------------|---------------|------------|-------|-------|--------------------------|--------------------------|----------------|-----------------|
| <b>Quartzline®</b> |                 |               |            |       |       |                          |                          |                |                 |
| Q1000PAR64/WFLK    | <b>88112307</b> | 43499         | PAR64      | 1000  | 120   | Extended Mogul End Prong | 4000                     | 19400          | 3000            |
| Q1500T3/CL-12PK208 | <b>88112324</b> | 23828         | T3         | 1500  | 208   | R7s                      | 2000                     | 35800          | 3050            |
| Q1500T3/CL240      | <b>88112495</b> | 23830         | T3         | 1500  | 240   | R7s                      | 2000                     | 35800          | 3050            |
| Q1500T3/CL277      | <b>88112496</b> | 23832         | T3         | 1500  | 277   | R7s                      | 2000                     | 34400          | 3050            |

## Tubular Quartz Heat

General Electric Co.

| Mfg. No.            | Advanced ID     | GE Order Code | Bulb Shape | Watts | Volts | Base Type | Average Rated Life (Hrs) | Lumens Initial | Color Temp. (K) |
|---------------------|-----------------|---------------|------------|-------|-------|-----------|--------------------------|----------------|-----------------|
| QH1600T3/CL230/0    | <b>88112411</b> | 22688         | T3         | 1600  | 230   | Sleeve    | 5000                     | -              | 2400            |
| QH2500T3/CL/7460/0  | <b>88112414</b> | 22837         | T3         | 2500  | 460   | R7s       | 5000                     | -              | 2400            |
| QH3650T3/CL/5480    | <b>88112421</b> | 10872         | T3         | 3650  | 480   | Sleeve    | 5000                     | -              | 2500            |
| QH3800T3/CL/VB550/0 | <b>88112425</b> | 22878         | T3         | 3800  | 550   | Sleeve    | 5000                     | -              | 2500            |

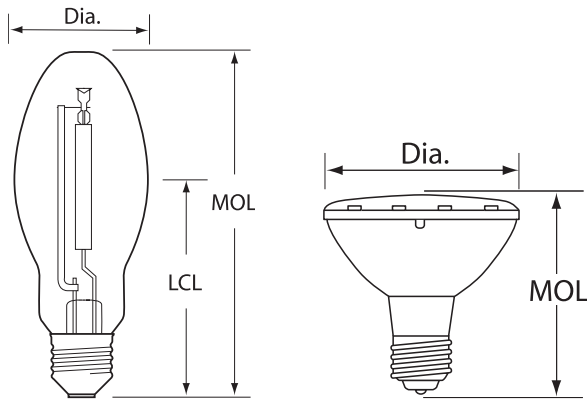


# Lamps, Lighting & Ballasts

## Lamps, High Intensity Discharge

General Electric Co.

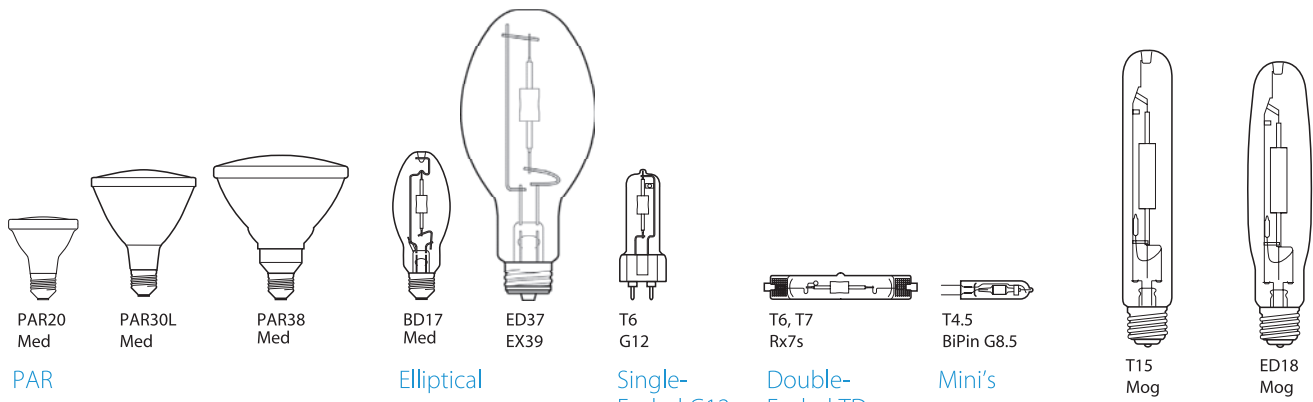
### Bulb Identification



Dia.: Diameter of bulb at widest point.  
 MOL: Maximum Overall Length including base or pins.  
 LCL: Distance between the center of the arc tube and the Light Center Length reference plane.  
 Note: Lamp drawings are not drawn to scale. Be sure to check size and dimension information when identifying each lamp.

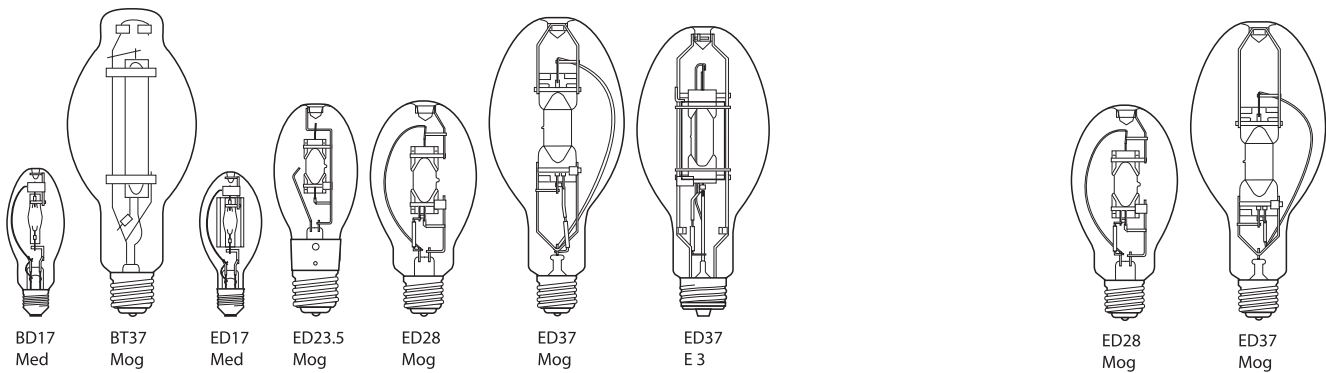
To convert inches to millimeters, multiply the dimension (in inches) by 25.4 (i.e. 1.5" x 25.4 = 38.1 mm).

### Lamp Locator



### ConstantColor® CMH® Ceramic Metal Halide

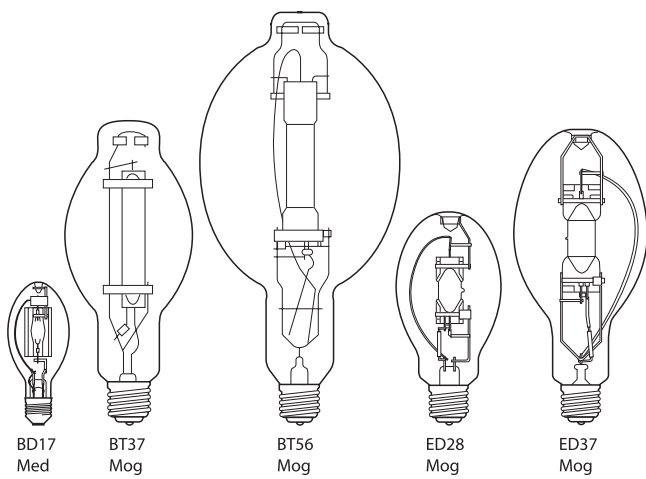
### CMH® Chromafit™ Ceramic Metal Halide (HPS Retrofit Lamps)



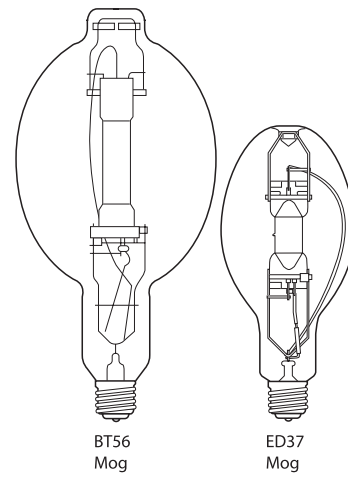
### PulseArc® Multi-Vapor® Metal Halide Lamps

### Chromafit™ Multi-Vapor® Metal Halide Lamps (HPS Retrofit Lamps)

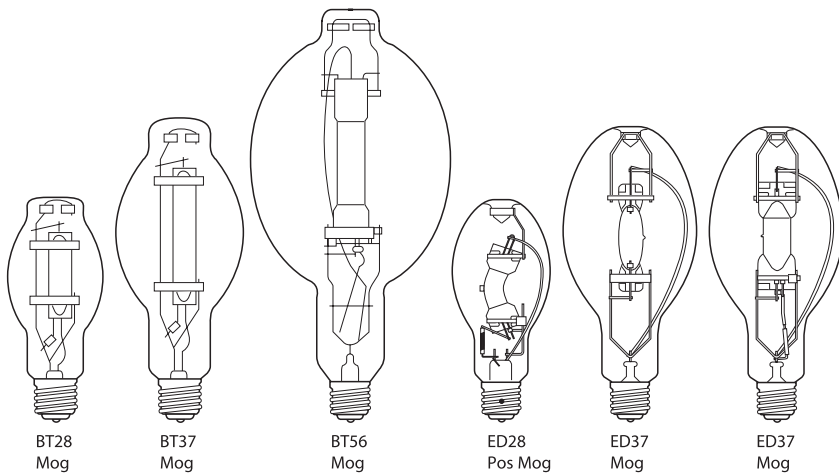
General Electric Co.



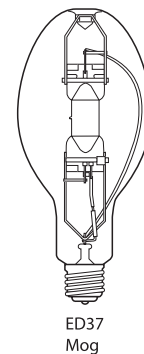
**Multi-Vapor® Metal Halide Lamps**



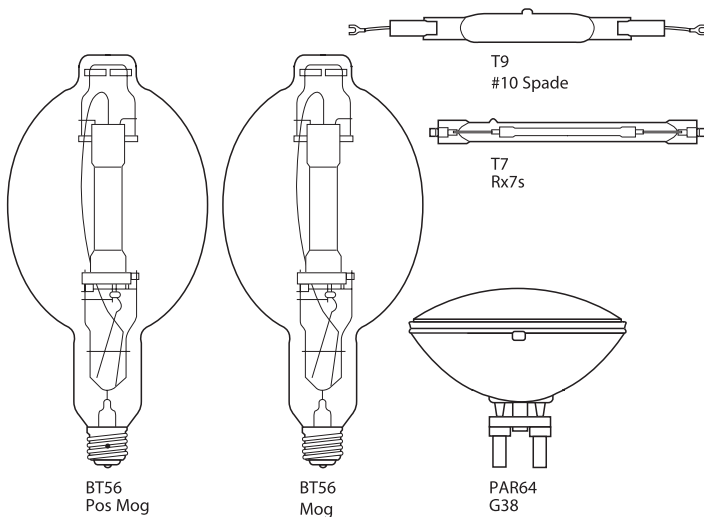
**I-Line Multi-Vapor® Metal Halide Lamps  
(Mercury Retrofit Lamps)**



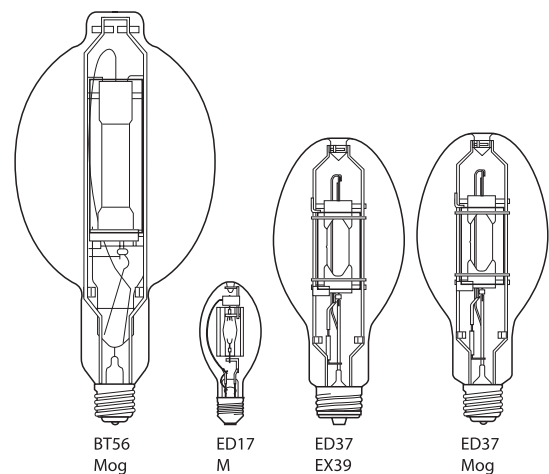
**High Output and XHO Multi-Vapor® Metal Halide Lamps**



**Saf-T-Gard®  
Self-Extinguishing  
Multi-Vapor® Lamps**



**Sportsighting**

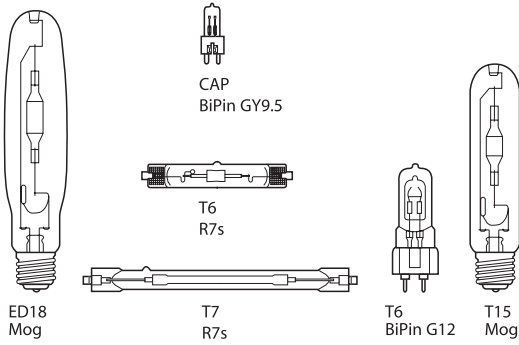


**Protected Multi-Vapor® Metal Halide Lamps**

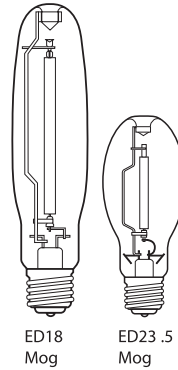
# Lamps, Lighting & Ballasts

## Lamps, High Intensity Discharge

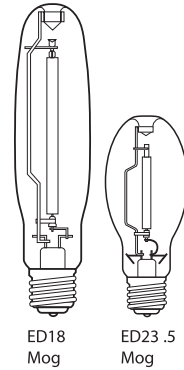
General Electric Co.



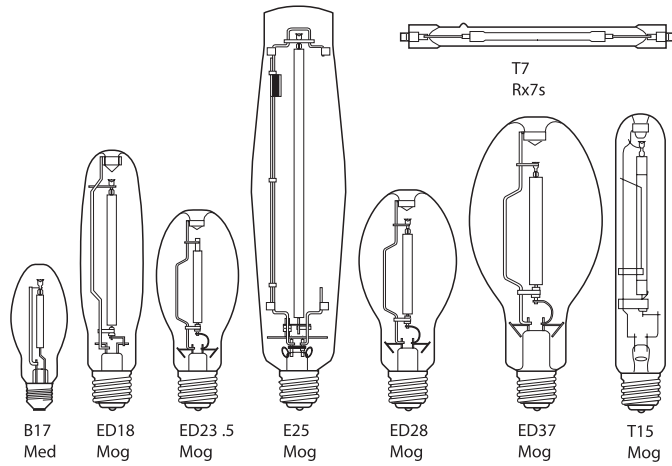
**Arcstream® Metal Halide Lamps**



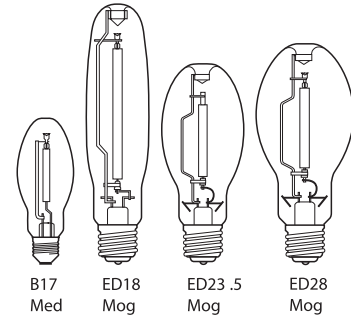
**Ecolux® NC Non-Cycling High Pressure Sodium Lamps (TCLP Compliant)**



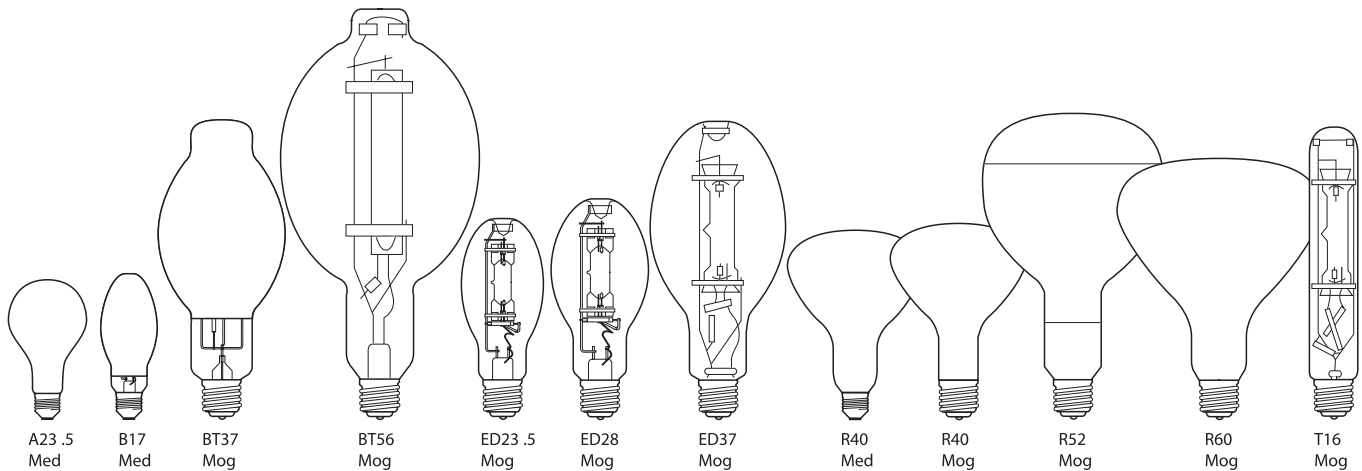
**Ecolux® High Pressure Sodium Lamps (TCLP Compliant)**



**Lucalox® High Pressure Sodium Lamps**

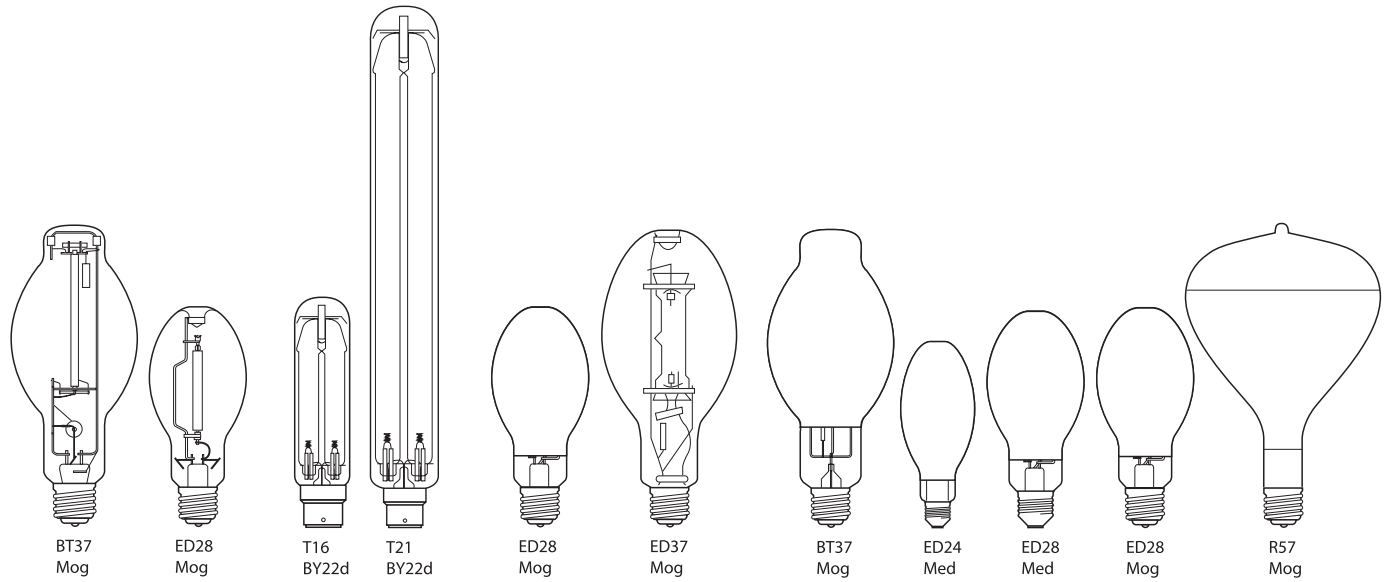


**Deluxe Lucalox® High Pressure Sodium Lamps**



**Mercury Lamps**

General Electric Co.



BT37  
Mog

ED28  
Mog

T16  
BY22d

T21  
BY22d

ED28  
Mog

ED37  
Mog

BT37  
Mog

ED24  
Med

ED28  
Med

ED28  
Mog

R57  
Mog

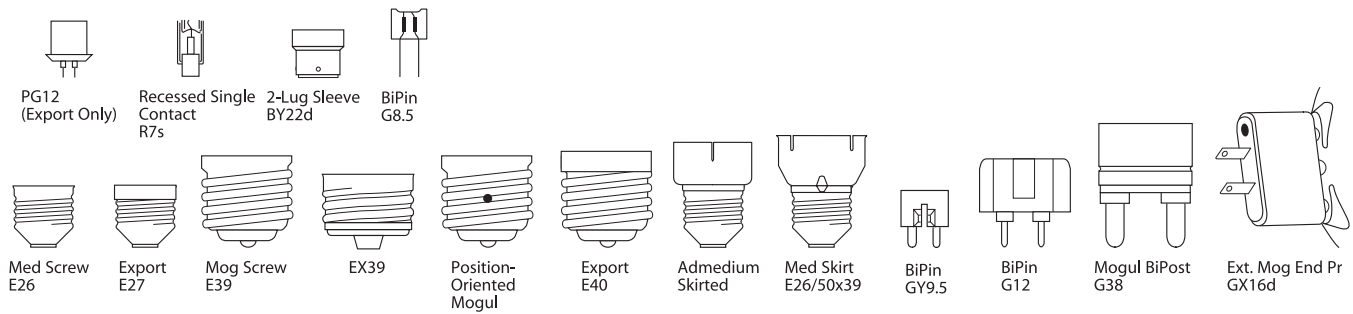
### E-Z Lux® High Pressure Sodium Lamps (Mercury Retrofit)

### SOX Low Pressure Sodium Lamps

### Saf-T-Gard® Mercury Lamps

### E-Z Merc® Self-Ballasted Lamps (Incandescent Retrofit)

## Base Identification



PG12  
(Export Only)

Recessed Single  
Contact  
R7s

2-Lug Sleeve  
BY22d

BiPin  
G8.5

Med Screw  
E26

Export  
E27

Mog Screw  
E39

EX39

Position-  
Oriented  
Mogul

Export  
E40

Admedium  
Skirted

Med Skirt  
E26/50x39

BiPin  
GY9.5

BiPin  
G12

Mogul BiPost  
G38

Ext. Mog End Pr  
GX16d

### High Pressure Sodium - Low Pressure Sodium

General Electric Co.

| Mfg. No.  | Advanced ID | GE Order Code | Bulb Shape | Watts | Base Type | ANSI Ballast Type | Rated Life (hrs) | Lumens Initial | Lumens Mean | MOL (in.) | CRI | Color Temp. (K) |
|---|-------------|---------------|------------|-------|-----------|-------------------|------------------|----------------|-------------|-----------|-----|-----------------|
| <b>LUCALOX® High Pressure Sodium</b>                                |             |               |            |       |           |                   |                  |                |             |           |     |                 |
| LU35/MED  | 88112255    | 11668         | B17        | 35    | Medium    | S76               | 16000            | 2250           | 2025        | 5.43      | 22  | 1900            |
| LU50/D/MED  | 88112260    | 11347         | B17        | 50    | Medium    | S68               | 24000+           | 3800           | 3420        | 5.43      | 22  | 1900            |
| LU50/MED  | 88112261    | 11345         | B17        | 50    | Medium    | S68               | 24000+           | 4000           | 3600        | 5.43      | 22  | 1900            |
| LU50  | 88112258    | 44975         | ED23.5     | 50    | Mogul     | S68               | 24000+           | 4000           | 3600        | 7.75      | 22  | 1900            |
| LU50/D  | 88112259    | 45006         | ED23.5     | 50    | Mogul     | S68               | 24000+           | 3800           | 3420        | 7.75      | 22  | 1900            |
| LU70/D/MED  | 88112264    | 11340         | B17        | 70    | Medium    | S62               | 24000+           | 5950           | 5050        | 5.43      | 22  | 1900            |
| LU70/MED  | 88112268    | 11339         | B17        | 70    | Medium    | S62               | 24000+           | 6400           | 5450        | 5.43      | 22  | 1900            |
| LU70  | 88112490    | 44033         | ED23.5     | 70    | Mogul     | S62               | 24000+           | 6400           | 5450        | 7.75      | 22  | 1900            |
| LU70/D  | 88112262    | 44035         | ED23.5     | 70    | Mogul     | S62               | 24000+           | 5950           | 5050        | 7.75      | 22  | 1900            |
| LU100/D/MED   | 88112241    | 13251         | B17        | 100   | Medium    | S54               | 24000+           | 8800           | 7920        | 5.5       | 22  | 2000            |
| LU100/MED   | 88112242    | 13250         | B17        | 100   | Medium    | S54               | 24000+           | 9500           | 8550        | 5.5       | 22  | 2000            |
| LU100   | 88112486    | 44037         | ED23.5     | 100   | Mogul     | S54               | 24000+           | 9500           | 8550        | 7.75      | 22  | 2000            |
| LU100/D   | 88112240    | 44038         | ED23.5     | 100   | Mogul     | S54               | 24000+           | 8800           | 7920        | 7.75      | 22  | 2000            |
| LU150/D/MED   | 88112246    | 13253         | B17        | 150   | Medium    | S55               | 24000+           | 15000          | 13500       | 5.75      | 22  | 2000            |
| LU150/MED   | 88112247    | 13252         | B17        | 150   | Medium    | S55               | 24000+           | 16000          | 14400       | 5.75      | 22  | 2000            |
| LU150/55  | 88112487    | 44043         | ED23.5     | 150   | Mogul     | S55               | 24000+           | 16000          | 14400       | 7.75      | 22  | 2000            |
| LU150/55/D  | 88112245    | 44045         | ED23.5     | 150   | Mogul     | S55               | 24000+           | 15000          | 13500       | 7.75      | 22  | 2000            |
| LU150/100 ED28  | 88112244    | 44243         | ED28       | 150   | Mogul     | S56               | 24000+           | 15000          | 13500       | 8.31      | 22  | 2000            |
| LU200   | 88112248    | 44206         | ED18       | 200   | Mogul     | S66               | 24000+           | 22000          | 19800       | 9.75      | 22  | 2100            |
| LU250   | 88112488    | 44047         | ED18       | 250   | Mogul     | S50               | 24000+           | 28000          | 27000       | 9.75      | 22  | 2100            |
| LU250/D   | 88112249    | 44051         | ED28       | 250   | Mogul     | S50               | 24000+           | 26000          | 23400       | 9         | 22  | 2100            |
| LU310   | 88112252    | 44053         | ED18       | 310   | Mogul     | S67               | 24000+           | 37000          | 33300       | 9         | 22  | 2100            |
| LU400   | 88112489    | 44054         | ED18       | 400   | Mogul     | S51               | 24000+           | 51000          | 45000       | 9         | 22  | 2100            |
| LU400/D   | 88112257    | 44056         | ED37       | 400   | Mogul     | S51               | 24000+           | 47500          | 42750       | 11.31     | 22  | 2100            |
| LU400/TD  | 97173379    | 30244         | T7         | 400   | Rx7s      | S51               | 24000            | 43000          | 37300       | 10.12     | 25  | 2000            |
| LU600/T   | 99426227    | 27187         | T15        | 600   | Mogul     | S106              | 12000+           | 90000          | 81000       | 11.06     | 22  | 2000            |
| LU750   | 96028102    | 14682         | ED37       | 750   | Mogul     | S111              | 24000+           | 110000         | 99000       | 11.5      | 22  | 2100            |
| LU1000/ECO  | 88112243    | 44058         | E25        | 1000  | Mogul     | S52               | 24000+           | 140000         | 126000      | 15.06     | 22  | 2100            |
| <b>Standby Longlife LUCALOX® High Pressure Sodium</b>               |             |               |            |       |           |                   |                  |                |             |           |     |                 |
| LU70/SBY/XL   | 89089403    | 19264         | ED23.5     | 70    | Mogul     | S62               | 40000            | 6400           | 5050        | 7.75      | 22  | 2000            |
| LU100/SBY/XL  | 89089404    | 19265         | ED23.5     | 100   | Mogul     | S54               | 40000            | 9500           | 8190        | 7.75      | 22  | 2000            |
| LU150/55/SBY/XL   | 89089405    | 19266         | ED23.5     | 150   | Mogul     | S55               | 40000            | 16000          | 14000       | 7.75      | 22  | 2000            |
| LU250/SBY/XL  | 89089401    | 19270         | ED18       | 250   | Mogul     | S50               | 40000            | 27500          | 24750       | 9.75      | 22  | 2000            |
| LU400/SBY/XL  | 89089402    | 19272         | ED18       | 400   | Mogul     | S51               | 40000            | 50000          | 45000       | 9.75      | 22  | 2000            |
| LU1000/SBY/XL   | 97221649    | 27185         | E25        | 1000  | Mogul     | S52               | 40000            | 127000         | 115000      | 15.06     | 22  | 2100            |
| <b>DELUXE LUCALOX® High Pressure Sodium</b>                         |             |               |            |       |           |                   |                  |                |             |           |     |                 |
| LU150/55/DX   | 89027896    | 18092         | ED23.5     | 150   | Mogul     | S55               | 15000            | 10500          | 9135        | 7.75      | 65  | 2200            |
| LU250/DX  | 88112250    | 11785         | ED18       | 250   | Mogul     | S50               | 15000            | 22500          | 20700       | 9.75      | 65  | 2200            |
| LU400/DX  | 90009229    | 19650         | ED28       | 400   | Mogul     | S51               | 15000            | 37400          | 34400       | 9         | 70  | 2200            |
| <b>ECOLUX® High Pressure Sodium (TCLP Compliant)</b>                |             |               |            |       |           |                   |                  |                |             |           |     |                 |
| LU70ECO   | 99574186    | 45760         | ED23.5     | 70    | Mogul     | S62               | 24000+           | 6400           | 5450        | 7.75      | 22  | 1900            |
| LU100ECO  | 99574187    | 45761         | ED23.5     | 100   | Mogul     | S54               | 24000+           | 9500           | 8550        | 7.75      | 22  | 2000            |
| LU150/55/ECO  | 99575426    | 45762         | ED23.5     | 150   | Mogul     | S55               | 24000+           | 16000          | 14400       | 7.75      | 22  | 2000            |
| LU250ECO  | 99575429    | 45764         | ED18       | 250   | Mogul     | S50               | 24000+           | 28000          | 27000       | 9.75      | 22  | 2100            |
| LU400ECO  | 99665655    | 45765         | ED         | 400   | Mogul     | S51               | 24000+           | 51000          | 45000       | 9.75      | 22  | 2100            |
| LU1000/ECO  |             | 44058         | E          | 1000  | Mogul     | S52               | 24000+           | 140000         | 126000      | 15.06     | 22  | 2100            |
| <b>ECOLUX® NC Non-Cycling High Pressure Sodium (TCLP Compliant)</b> |             |               |            |       |           |                   |                  |                |             |           |     |                 |
| LU70/ECO/NC   | 99426258    | 14672         | ED23.5     | 70    | Mogul     | S62               | 30000            | 6300           | 5670        | 7.75      | 23  | 1900            |
| LU100/ECO/NC  | 99426257    | 14673         | ED23.5     | 100   | Mogul     | S54               | 30000            | 10500          | 9450        | 7.75      | 23  | 2000            |
| LU150/55/ECO/NC   | 99426255    | 40390         | ED23.5     | 150   | Mogul     | S55               | 30000            | 16000          | 14400       | 7.75      | 23  | 2000            |
| LU200/ECO/NC  | 99526279    | 45059         | ET18       | 200   | Mogul     | S66               | 30000            | 22000          | 19800       | 9.75      | 22  | 2100            |
| LU250/ECO/NC  | 99426253    | 14674         | ED18       | 250   | Mogul     | S50               | 30000            | 29000          | 26100       | 9.75      | 30  | 2000            |
| LU400/ECO/NC  | 99426252    | 14675         | ED18       | 400   | Mogul     | S51               | 30000            | 54000          | 48600       | 9.75      | 30  | 2100            |
| <b>E-Z LUX® High Pressure Sodium (Mercury Retrofit)</b>             |             |               |            |       |           |                   |                  |                |             |           |     |                 |
| LUH150/EZ   | 88112271    | 49943         | ED28       | 150   | Mogul     | H39               | 13000            | 12500          | 12000       | 9         | 22  | 1900            |
| LUH215/EZ   | 88112272    | 49939         | ED28       | 215   | Mogul     | H37               | 12000            | 20200          | 18600       | 9         | 22  | 1900            |

Continued ►

## High Pressure Sodium - Low Pressure Sodium

General Electric Co.

| Mfg. No.  | Advanced ID | GE Order Code | Bulb Shape | Watts | Base Type | ANSI Ballast Type | Rated Life (hrs) | Lumens Initial | Lumens Mean | MOL (in.) | CRI | Color Temp. (K) |
|---|-------------|---------------|------------|-------|-----------|-------------------|------------------|----------------|-------------|-----------|-----|-----------------|
| <b>E-Z LUX® High Pressure Sodium (Mercury Retrofit)</b> |             |               |            |       |           |                   |                  |                |             |           |     |                 |
| LUH360/EZ135  | 96011621    | 18012         | BT37       | 360   | Mogul     | H33               | 24000            | 45000          | 40500       | 11.31     | 25  | 2100            |
| <b>SOX Low Pressure Sodium</b>                          |             |               |            |       |           |                   |                  |                |             |           |     |                 |
| SOX18   | 92040843    | 21294         | T16        | 18    | BY22d     | L69               | 18000            | 1800           | 1570        | 8.5       | 0   | 1800            |
| SOX35   | 92040747    | 21296         | T16        | 35    | BY22d     | L70               | 18000            | 4600           | 4000        | 12.25     | 0   | 1800            |
| SOX55   | 92040748    | 21297         | T16        | 55    | BY22d     | L71               | 18000            | 7650           | 6655        | 16.75     | 0   | 1800            |
| SOX90   | 92040749    | 21298         | T21        | 90    | BY22d     | L72               | 16000            | 12750          | 11095       | 20.75     | 0   | 1800            |
| SOX135  | 92040750    | 21299         | T21        | 135   | BY22d     | L73               | 16000            | 22000          | 19140       | 30.5      | 0   | 1800            |

## Mercury

General Electric Co.

| Mfg. No.   | Advanced ID | GE Order Code | Bulb Shape | Watts | Base Type | ANSI Ballast Type | Rated Life (hrs) | Lumens Initial | Lumens Mean | MOL (in.) | CRI | Color Temp. (K) |
|--|-------------|---------------|------------|-------|-----------|-------------------|------------------|----------------|-------------|-----------|-----|-----------------|
| <b>Mercury</b>   |             |               |            |       |           |                   |                  |                |             |           |     |                 |
| HR40/50DX45-465PK  | 88112210    | 12460         | B17        | 50/40 | Medium    | H45               | 6000             | 1575/1140      | 1250/910    | 5.12      | 50  | 3900            |
| HR75DX435PK  | 88112222    | 12461         | B17        | 75    | Medium    | H43               | 16000            | 2700           | 2250        | 5.43      | 50  | 3900            |
| HR100DX38/A23  | 88112193    | 12467         | A23.5      | 100   | Medium    | H38               | 18000            | 4000           | 2600        | 5.43      | 50  | 3800            |
| HR100DX38/MED  | 88315907    | 17113         | B17        | 100   | Medium    | H38               | 18000            | 4000           | 2600        | 5.43      | 50  | 3900            |
| HR100DX38  | 88321461    | 22575         | ED23.5     | 100   | Mogul     | H38               | 24000+           | 4000           | 2600        | 7.5       | 50  | 3900            |
| HR100RDXFL38   | 88112196    | 36495         | R40        | 100   | Medium    | H38               | 24000+           | 2450           | 2050        | 7         | 50  | 3900            |
| HR100RFL38   | 88112197    | 36238         | R40        | 100   | Medium    | H38               | 24000+           | 2450           | 2000        | 7         | 15  | 5700            |
| HR175A39   | 88112199    | 24048         | ED28       | 175   | Mogul     | H39               | 24000+           | 7850           | 6830        | 8.25      | 15  | 5700            |
| HR175DX39  | 88112201    | 24062         | ED28       | 175   | Mogul     | H39               | 24000+           | 7800           | 6800        | 8.25      | 50  | 3900            |
| HR175RDXFL39   | 88112203    | 33026         | R40        | 175   | Medium    | H39               | 24000+           | 5700           | 4350        | 7         | 50  | 3900            |
| HR175RFL39   | 88112204    | 24058         | R40        | 175   | Medium    | H39               | 24000+           | 5700           | 4800        | 7         | 15  | 5700            |
| HR175RFL39/M   | 88112205    | 36445         | R          | 175   | Mogul     | H39               | 24000+           | 5700           | 4800        | 7.5       | 15  | 5700            |
| HR250DX37  | 88112208    | 32127         | ED28       | 250   | Mogul     | H37               | 24000+           | 11200          | 8400        | 8.25      | 50  | 3900            |
| HR400A33   | 88112211    | 23974         | ED37       | 400   | Mogul     | H33               | 24000+           | 21000          | 13400       | 11.31     | 15  | 5700            |
| HR400DX33  | 88112212    | 23998         | ED37       | 400   | Mogul     | H33               | 24000+           | 22600          | 14400       | 11.31     | 50  | 3900            |
| HR400RDXFL33   | 88112216    | 33938         | R60        | 400   | Mogul     | H33               | 24000+           | 15500          | 8950        | 10.12     | 50  | 3900            |
| HR1000A36  | 88112181    | 24171         | BT56       | 1000  | Mogul     | H36               | 24000+           | 57000          | 28500       | 15.06     | 15  | 5700            |
| HR1000DX34   | 88112182    | 32733         | BT56       | 1000  | Mogul     | H34               | 16000            | 58300          | 29200       | 15.06     | 50  | 3900            |
| HR1000DX36   | 88112183    | 24191         | BT56       | 1000  | Mogul     | H36               | 24000+           | 58000          | 29000       | 15.06     | 50  | 3900            |
| <b>E-Z MERC® Self-Ballasted (Incandescent Retrofit) 120V</b> |             |               |            |       |           |                   |                  |                |             |           |     |                 |
| HSB160/M   | 88112223    | 45178         | ED24       | 160   | Medium    | -                 | 12000            | 2300           | 1600        | 7         | 50  | 3900            |
| HSB250   | 88112224    | 45176         | ED28       | 250   | Medium    | -                 | 12000            | 5000           | 3750        | 8.5       | 50  | 3900            |
| HSB250M  | 88112225    | 45174         | ED28       | 250   | Medium    | -                 | 12000            | 5000           | 3750        | 8.5       | 50  | 3900            |



### Metal Halide

General Electric Co.

| Mfg. No.                                   | Advanced ID     | GE Order Code | Bulb Shape | Watts | Base Type  | ANSI Ballast Type     | Rated Life (hrs)  | Lumens Initial  | Lumens Mean     | MOL (in.) | CRI | Color Temp. (K) |
|--|-----------------|---------------|------------|-------|------------|-----------------------|-------------------|-----------------|-----------------|-----------|-----|-----------------|
| <b>CONSTANTCOLOR® Ceramic Metal Halide</b> |                 |               |            |       |            |                       |                   |                 |                 |           |     |                 |
| CMH20PAR20/SP                              | <b>25058828</b> | 29485         | PAR        | 20    | Medium     | M156                  | 7500              | 1000            | -               | 3.5       | 81  | 3000            |
| CMH20PAR20/FL                              | <b>25059758</b> | 29486         | PAR        | 20    | Medium     | M156                  | 7500              | 1000            | -               | 3.5       | 81  | 3000            |
| CMH20PAR30/SP10                            | <b>25069563</b> | 29487         | PAR        | 20    | Medium     | M156                  | 7500              | 1200            | -               | 4.75      | 81  | 3000            |
| CMH20PAR30/SP15                            | <b>25069564</b> | 29488         | PAR        | 20    | Medium     | M156                  | 7500              | 1200            | -               | 4.75      | 81  | 3000            |
| CMH20PAR30/FL25                            | <b>25058565</b> | 29489         | PAR        | 20    | Medium     | M156                  | 7500              | 1200            | -               | 4.75      | 81  | 3000            |
| CMH39/UPAR20/FL25                          | <b>99664399</b> | 42068         | PAR        | 39    | Medium     | M130                  | 10000             | 2100            | -               | 3.5       | 86  | 3000            |
| CMH39/UPAR20/SP10                          | <b>99664400</b> | 42069         | PAR        | 39    | Medium     | M130                  | 10000             | 2100            | -               | 3.5       | 86  | 3000            |
| CMH39/PAR30L/SP15                          | <b>99527714</b> | 42066         | PAR        | 39    | Medium     | M130                  | 10000             | 2400            | -               | 4.75      | 81  | 3000            |
| CMH39/PAR30L/FL25                          | <b>99688170</b> | 42067         | PAR        | 39    | Medium     | M130                  | 10000             | 2400            | -               | 4.75      | 81  | 3000            |
| CMH39/PAR30L/SP10                          | <b>99575423</b> | 45066         | PAR        | 39    | Medium     | M130                  | 10000             | 2400            | -               | 4.75      | 81  | 3000            |
| CMH70/U/830/MED                            | <b>96078271</b> | 22119         | BD         | 70    | Medium     | M98 or M139           | 15000             | 6300            | 4100            | 5.43      | 80  | 3000            |
| CMH70/C/U/830/MED                          | <b>96078270</b> | 22124         | BD         | 70    | Medium     | M98 or M139           | 15000             | 6000            | 4000            | 5.43      | 80  | 3000            |
| CMH100/U/830/MED                           | <b>99526666</b> | 22127         | BD         | 100   | Medium     | M90 or M140           | 10000V/<br>15000H | 9200V/<br>9200H | 6600V/<br>6400H | 5.43      | 83  | 3000            |
| CMH100/C/U830/MED                          | <b>99526667</b> | 22137         | BD         | 100   | Medium     | M90 or M140           | 10000V/<br>15000H | 8700V/<br>8700H | 6300V/<br>6300H | 5.43      | 83  | 3000            |
| CMH70/U/830/MED/O                          | <b>25022901</b> | 31069         | ED         | 70    | Medium     | M98 or M143           | 15000             | 5700            | 4100            | 5.43      | 80  | 3000            |
| CMH70/C/U/830/MED/O                        | <b>25022904</b> | 31070         | ED         | 70    | Medium     | M98 or M143           | 15000             | 5700            | 4100            | 5.43      | 80  | 3000            |
| CMH70/U/942/MED/O                          | <b>25022907</b> | 31073         | ED         | 70    | Medium     | M98 or M143           | 15000             | 5500            | 4200            | 5.43      | 90  | 4000            |
| CMH70/C/U/942/MED/O                        | <b>25022908</b> | 31074         | ED         | 70    | Medium     | M98 or M143           | 15000             | 5200            | 4000            | 5.43      | 90  | 4000            |
| CMH150/U/830/MED/O                         | <b>25022911</b> | 31065         | ED         | 150   | Medium     | M102 or M142          | 12000             | 12900           | 9500            | 5.43      | 80  | 3000            |
| CMH150/C/U830/MED/O                        | <b>25022912</b> | 31066         | ED         | 150   | Medium     | M102 or M142          | 12000             | 11900           | 8800            | 5.43      | 80  | 3000            |
| CMH150/U/942/MED/O                         | <b>25022914</b> | 31067         | ED         | 150   | Medium     | M102 or M142          | 15000             | 12000           | 9000            | 5.43      | 90  | 4200            |
| CMH150/C/U/942/MED/O                       | <b>25022944</b> | 31068         | ED         | 150   | Medium     | M102 or M142          | 15000             | 11000           | 8300            | 5.43      | 90  | 4200            |
| CMH20/T/U/830/G12                          | <b>25047691</b> | 29703         | T          | 20    | BiPin G12  | M156                  | 12000             | 1600            | 1060            | 3.56      | 81  | 3000            |
| CMH39/T/U/942/G12                          | <b>25047459</b> | 29696         | T          | 39    | BiPin G12  | M130                  | 12000             | 3150            | 2700            | 3.56      | 88  | 4200            |
| CMH70/T/U/830/G12                          | <b>99504568</b> | 20016         | T          | 70    | BiPin G12  | M85, M98,<br>or M139  | 15000             | 6200            | 4700            | 3.56      | 83  | 3000            |
| CMH70/T/U/942/G12                          | <b>99569465</b> | 20023         | T          | 70    | BiPin G12  | M85, M98,<br>or M139  | 15000             | 6000            | 4600            | 3.56      | 93  | 4200            |
| CMH150/T/U/830/G12                         | <b>99970153</b> | 20017         | T          | 150   | BiPin G12  | M81, M102,<br>or M142 | 12000             | 14000           | 11000           | 3.93      | 82  | 3000            |
| CMH70/C/U/830MED                           | <b>96078270</b> | 22124         | BD17       | 70    | Medium     | M98 or M139           | 15000             | 6000            | 4000            | 5.43      | 80  | 3000            |
| CMH70/U/830/MED                            | <b>96078271</b> | 22119         | BD17       | 70    | Medium     | M98 or M139           | 15000             | 6300            | 4100            | 5.43      | 80  | 3000            |
| CMH100/C/U830MED                           | <b>99526667</b> | 22137         | BD17       | 100   | Medium     | M90 or M140           | 10000V/<br>15000H | 8700V/<br>8700H | 6300V/<br>6300H | 5.43      | 83  | 3000            |
| CMH100/U/830/MED                           | <b>99526666</b> | 22127         | BD17       | 100   | Medium     | M90 or M140           | 10000V/<br>15000H | 9200V/<br>9200H | 6600V/<br>6400H | 5.43      | 83  | 3000            |
| CMH39/PAR30LSP1090                         | <b>99575423</b> | 45066         | PAR30L     | 39    | Medium     | M130                  | 10000             | 2400            | -               | 4.75      | 81  | 3000            |
| CMH39PAR30L/FL2590                         | <b>99688170</b> | 42067         | PAR30L     | 39    | Medium     | M130                  | 10000             | 2400            | -               | 4.75      | 81  | 3000            |
| CMH39PAR30L/SP1590                         | <b>99527714</b> | 42066         | PAR30L     | 39    | Medium     | M130                  | 10000             | 2400            | -               | 4.75      | 81  | 3000            |
| CMH70PAR30L830FL                           | <b>97119851</b> | 22159         | PAR        | 70    | Medium     | M98 or M139           | 13000             | 4700            | -               | 4.75      | 82  | 3000            |
| CMH70PAR30L830SP                           | <b>97119850</b> | 22152         | PAR        | 70    | Medium     | M98 or M139           | 13000             | 4700            | -               | 4.75      | 82  | 3000            |
| CMH100PAR38/830W                           | <b>99569643</b> | 45682         | PAR38      | 100   | Medium     | M90 or M140           | 10000             | 6500            | -               | 5.31      | 81  | 3000            |
| CMH250/U/830/R                             | <b>22082640</b> | 93357         | T15        | 250   | Mogul      | S50                   | 16000             | 25000           | 20000           | 9.75      | 85  | 3000            |
| CMH400/U/830/R                             | <b>22082641</b> | 93295         | ED         | 400   | Mogul      | S51                   | 20000             | 41000           | 31300           | 9.75      | 80> | 3000H/3600V     |
| CMH20/TC/U/830/G8.5                        | <b>99871919</b> | 92696         | T          | 20    | BiPin G8.5 | M156                  | 12000             | 1600            | 1060            | 3.37      | 81  | 3000            |
| CMH39/TC/U/942/G8.5                        | <b>25069565</b> | 29698         | T          | 39    | BiPin G8.5 | M130                  | 12000             | 3150            | 2700            | 3.37      | 88  | 4200            |
| CMH70/TC/U/942/G8.5                        | <b>25064333</b> | 29701         | T          | 70    | BiPin G8.5 | M98 or M139           | 15000             | 6000            | 4600            | 3.37      | 90  | 4200            |
| CMH250/VBU/PA/O                            | <b>25069566</b> | 48429         | ED         | 250   | EX39       | -                     | 20000             | 23000           | 18400           | 8.31      | 90  | 4100            |
| CMH250/C/VBU/PA/O                          | <b>25069567</b> | 48432         | ED         | 250   | EX39       | -                     | 20000             | 22000           | 17600           | 8.31      | 90  | 4100            |
| CMH350/VBU/940/PA/O                        | <b>22084761</b> | 11834         | ED         | 350   | EX39       | -                     | 20000             | 34000           | 27200           | 11.31     | 90  | 3600            |
| CMH350/C/VBU/940/PA/O                      | <b>22102747</b> | 11835         | ED         | 350   | EX39       | -                     | 20000             | 33000           | 26400           | 11.31     | 90  | 3600            |

Continued ➤

## Metal Halide

General Electric Co.

| Mfg. No.                                   | Advanced ID     | GE Order Code | Bulb Shape | Watts | Base Type  | ANSI Ballast Type  | Rated Life (hrs)  | Lumens Initial      | Lumens Mean       | MOL (in.) | CRI | Color Temp. (K) |
|--|-----------------|---------------|------------|-------|------------|--------------------|-------------------|---------------------|-------------------|-----------|-----|-----------------|
| <b>CONSTANTCOLOR® Ceramic Metal Halide</b> |                 |               |            |       |            |                    |                   |                     |                   |           |     |                 |
| CMH400/VBU/940/PA/O                        | <b>99968657</b> | 49910         | ED         | 400   | EX39       | -                  | 20000             | 40000               | 32000             | 11.31     | 92  | 3700            |
| CMH400/C/VBU/940/PA/O                      | <b>99970029</b> | 49911         | ED         | 400   | EX39       | -                  | 20000             | 39000               | 31200             | 11.31     | 92  | 3700            |
| CMH39TCUVCU830G8                           | <b>94055375</b> | 90352         | T4.5       | 39    | BiPin G8.5 | M130               | 10000             | 3400                | 2600              | 3.37      | 82  | 3000            |
| CMH70TCU830G8.5                            | <b>99569466</b> | 92585         | T4.5       | 70    | BiPin G8.5 | M98 or M139        | 9000              | 6200                | 4700              | 3.37      | 83  | 3000            |
| CMH70/TD/830RX7S                           | <b>99569468</b> | 92587         | T6         | 70    | Rx7s       | M85, M98, or M139  | 15000             | 7000                | 5600              | 4.5       | 81  | 3000            |
| CMH70/TD/942RX7S                           | <b>99569469</b> | 92588         | T6         | 70    | Rx7s       | M85, M98, or M139  | 15000             | 7000                | 5600              | 4.5       | 88  | 4200            |
| CMH150TD830RX7S                            | <b>96078247</b> | 92589         | T7         | 150   | Rx7s       | M81, M102, or M142 | 15000             | 14000               | 11500             | 5.37      | 80  | 3000            |
| CMH150TD942RX7S                            | <b>99569470</b> | 92590         | T7         | 150   | Rx7s       | M81, M102, or M142 | 15000             | 14000               | 11500             | 5.37      | 93  | 4200            |
| <b>MULTI-VAPOR® Metal Halide</b>           |                 |               |            |       |            |                    |                   |                     |                   |           |     |                 |
| MVR150/C/U/WM                              | <b>94058603</b> | 13490         | ED28       | 150   | Mogul      | M57                | 10000V/<br>7500H  | 12800V/<br>10900H   | 8000V/<br>6900H   | 8.25      | 70  | 3700            |
| MVR150/U/WM                                | <b>94058602</b> | 13481         | ED28       | 150   | Mogul      | M57                | 10000V/<br>7500H  | 13500V/<br>11500H   | 8500V/<br>7200H   | 8.25      | 65  | 4000            |
| MVR175/C/U/MED                             | <b>92042242</b> | 19976         | BD17       | 175   | Medium     | M57                | 10000V/<br>6000H  | 12900V/<br>11900H   | 8400V/<br>7900H   | 5.75      | 65  | 3900            |
| MVR175/U/MED                               | <b>91007376</b> | 18902         | BD17       | 175   | Medium     | M57                | 10000V/<br>6000H  | 13600V/<br>11700H   | 8800V/<br>7400H   | 5.75      | 65  | 4000            |
| MVR175/C/U                                 | <b>88112280</b> | 47761         | ED28       | 175   | Mogul      | M57                | 10000V/<br>6000H  | 12900V/<br>11900H   | 8400V/<br>7900H   | 8.25      | 70  | 3900            |
| MVR175/SP30/U                              | <b>88315912</b> | 17634         | ED28       | 175   | Mogul      | M57                | 10000V/<br>6000H  | 12000V/<br>10300H   | 7600V/<br>6500H   | 8.25      | 70  | 3000            |
| MVR175/U                                   | <b>88112491</b> | 47760         | ED28       | 175   | Mogul      | M57                | 10000V/<br>6000H  | 13600V/<br>11700H   | 8800V/<br>7400H   | 8.25      | 65  | 4000            |
| MVR175/PAR38/FL/1130                       | <b>96086555</b> | 25218         | PAR38      | 175   | Medium     | M57                | 7500V             | 12000V              | 7600V             | 5.62      | 65  | 3800            |
| MVR250/C/U                                 | <b>88112281</b> | 42731         | ED28       | 250   | Mogul      | M58                | 6000H/<br>10000V  | 19800V/<br>18200H   | 13000V/<br>11600H | 8.25      | 70  | 3900            |
| MVR250/SP30/U                              | <b>88315913</b> | 17633         | ED28       | 250   | Mogul      | M58                | 10000V/<br>6000H  | 18000V/<br>16600H   | 11500V/<br>10600H | 8.25      | 70  | 3000            |
| MVR250/U                                   | <b>88112492</b> | 42729         | ED28       | 250   | Mogul      | M58                | 10000V/<br>6000H  | 20800V/<br>19100H   | 13500V/<br>12400H | 8.25      | 65  | 4200            |
| MVR400/C/U/ED28                            | <b>92127497</b> | 19979         | ED28       | 400   | Mogul      | M59                | 20000V/<br>15000H | 35000V/<br>32200H   | 23000V/<br>19300H | 8.25      | 65  | 4000            |
| MVR400/U/ED28                              | <b>91025570</b> | 18904         | ED28       | 400   | Mogul      | M59                | 20000V/<br>15000H | 36000V/<br>33100H   | 23500V/<br>22100H | 8.25      | 65  | 4000            |
| MVR400/C/U                                 | <b>88112285</b> | 43829         | ED37       | 400   | Mogul      | M59                | 20000V/<br>15000H | 35000V/<br>32200H   | 23000V/<br>19300H | 11.5      | 70  | 3700            |
| MVR400/SP30/U                              | <b>88315914</b> | 17632         | ED37       | 400   | Mogul      | M59                | 20000V/<br>15000H | 31000V/<br>28500H   | 18600V/<br>17100H | 11.5      | 70  | 3000            |
| MVR400/U                                   | <b>88112493</b> | 43828         | ED37       | 400   | Mogul      | M59                | 20000V/<br>15000H | 36000V/<br>33100H   | 23500V/<br>22100H | 11.5      | 65  | 4000            |
| MVR1000/U/BT37                             | <b>96011619</b> | 18205         | BT37       | 1000  | Mogul      | M47                | 12000V/<br>9000H  | 115000V/<br>105000H | 90000V/<br>82000H | 11.5      | 65  | 3700            |
| MVR1000/C/U                                | <b>88112274</b> | 41827         | BT56       | 1000  | Mogul      | M47                | 15000V/<br>11000H | 105000V/<br>96600H  | 80000V/<br>73000H | 15.37     | 65  | 3700            |
| MVR1000/U                                  | <b>88112275</b> | 41826         | BT56       | 1000  | Mogul      | M47                | 15000V/<br>11000H | 108000V/<br>100280H | 86000V/<br>79000H | 15.37     | 65  | 4000            |
| <b>PROTECTED MULTI-VAPOR® Metal Halide</b> |                 |               |            |       |            |                    |                   |                     |                   |           |     |                 |
| MXR32/C/VBU/O                              | <b>88112303</b> | 16469         | ED17       | 32    | Medium     | M100               | 10000             | 2400                | 1700              | 5.43      | 70  | 3200            |
| MXR50/C/U/MED/O                            | <b>99703327</b> | 45671         | ED17       | 50    | Medium     | M110               | 10000             | 3200                | 1500              | 5.43      | 70  | 3500            |
| MXR50/U/MED/O                              | <b>99691807</b> | 45670         | ED17       | 50    | Medium     | M110               | 10000             | 3400                | 1700              | 5.43      | 70  | 3500            |
| MXR70/C/U/MED/O                            | <b>95045499</b> | 12577         | ED         | 70    | Medium     | M98                | 15000             | 5300                | 3300              | 5.43      | 70  | 3200            |
| MXR70/U/MED/O                              | <b>95045522</b> | 12377         | ED         | 70    | Medium     | M98                | 15000             | 5500                | 3500              | 5.43      | 70  | 3200            |
| MXR100/C/U/MED/O                           | <b>96011654</b> | 12579         | ED17       | 100   | Medium     | M90                | 15000             | 8500                | 5900              | 5.43      | 70  | 3200            |
| MXR100/U/MED/O                             | <b>96011656</b> | 12381         | ED17       | 100   | Medium     | M90                | 15000             | 9000                | 6200              | 5.43      | 70  | 3200            |
| MXR150/C/U/MED/O                           | <b>99564147</b> | 45688         | ED17       | 150   | Medium     | M102               | 15000             | 12000               | 8300              | 5.43      | 70  | 3500            |
| MXR150/U/MED/O                             | <b>99703328</b> | 45683         | ED17       | 150   | Medium     | M102               | 15000             | 12500               | 8600              | 5.43      | 70  | 3500            |
| MPR175/C/VBU/O                             | <b>22102748</b> | 11649         | BT28       | 175   | EX39       | M57                | 10000             | 14000               | 10000             | 8.25      | 70  | 3800            |

Continued ▶

### Metal Halide

General Electric Co.

| Mfg. No.   | Advanced ID     | GE Order Code | Bulb Shape | Watts | Base Type               | ANSI Ballast Type | Rated Life (hrs) | Lumens Initial      | Lumens Mean       | MOL (in.) | CRI | Color Temp. (K) |
|--|-----------------|---------------|------------|-------|-------------------------|-------------------|------------------|---------------------|-------------------|-----------|-----|-----------------|
| <b>PROTECTED MULTI-VAPOR® Metal Halide</b>           |                 |               |            |       |                         |                   |                  |                     |                   |           |     |                 |
| MPR250/C/VBU/O                                       | <b>22102749</b> | 11650         | BT28       | 250   | EX39                    | M58               | 10000            | 20500               | 17000             | 8.25      | 70  | 3800            |
| MPR250/VBU/O135                                      | <b>99891306</b> | 49471         | BT28       | 250   | EX39                    | M138 or M153      | 10000            | 23000               | 17000             | 8.25      | 65  | 4000            |
| MPR320/VBU/XHOPA135                                  | <b>99574173</b> | 46275         | ED37       | 320   | EX39                    | M132 or M154      | 20000            | 32000               | 22500             | 11.5      | 65  | 4000            |
| MPR320/C/PA/ED28                                     | <b>25002237</b> | 19609         | ED         | 320   | EX39                    | M132 or M154      | 20000            | 30600               | 24500             | 8.25      | 70  | 3700            |
| MVR350/VBU/XHO/PA                                    | <b>99526589</b> | 40376         | ED         | 350   | Mogul                   | M131              | 20000            | 37000               | 27500             | 11.5      | 62  | 4000            |
| MVR350/CVBUXHOPA                                     | <b>99534925</b> | 40377         | ED         | 350   | Mogul                   | M131              | 20000            | 36000               | 26000             | 11.5      | 65  | 3700            |
| MPR350/C/VBU/PA135                                   | <b>99871916</b> | 48824         | ED37       | 350   | EX39                    | M131              | 20000            | 33400               | 23500             | 11.5      | 70  | 4000            |
| MPR350/VBU/PA  | <b>22067383</b> | 10202         | ED37       | 350   | EX39                    | M131              | 20000            | 35200               | 24600             | 11.5      | 65  | 4000            |
| MVR400/VBU/HO/PA                                     | <b>99682607</b> | 45664         | ED         | 400   | Mogul                   | M135 or M155      | 20000            | 41000               | 31000             | 11.5      | 65  | 4000            |
| MPR360CVBUWMHO/O                                     | <b>22066632</b> | 11685         | ED37       | 360   | Mogul                   | M59               | 20000            | 35000               | 22500             | 11.5      | 70  | 3700            |
| MPR360VBUWM/HO/O                                     | <b>99463988</b> | 40056         | ED37       | 360   | Mogul                   | M59               | 20000            | 36000               | 23500             | 11.5      | 65  | 4000            |
| MPR400/VBU/HO/O                                      | <b>89089425</b> | 18708         | ED         | 400   | EX39                    | M59               | 20000            | 40000               | 26000             | 11.5      | 65  | 3800            |
| MPR400/VBU/XHOPA135                                  | <b>99701989</b> | 46273         | ED37       | 400   | EX39                    | M135 or M155      | 20000            | 42000               | 29500             | 11.5      | 65  | 4000            |
| MPR400/C/VBU/HO/O                                    | <b>95043835</b> | 13582         | ED         | 400   | EX39                    | M59               | 20000            | 38000               | 25000             | 11.5      | 70  | 3600            |
| MPR400C/VBUXHOPA                                     | <b>99701991</b> | 46274         | ED37       | 400   | EX39                    | M135 or M155      | 20000            | 40000               | 28000             | 11.5      | 70  | 3700            |
| MPR1000/VBU/O  | <b>99525507</b> | 41433         | BT56       | 1000  | Mogul                   | M47               | 12000            | 107000              | 85500             | 15.37     | 65  | 3500            |
| <b>PULSEARC® MULTI-VAPOR® Metal Halide</b>           |                 |               |            |       |                         |                   |                  |                     |                   |           |     |                 |
| MXR50/C/U/MED  | <b>93197868</b> | 10364         | BD         | 50    | Medium                  | M110              | 10000            | 3000                | 2000              | 5.43      | 65  | 3400            |
| MXR50/U/MED  | <b>93197867</b> | 10361         | BD         | 50    | Medium                  | M110              | 10000            | 3200                | 2100              | 5.43      | 60  | 3700            |
| MVR70/C/U/MED  | <b>94056834</b> | 12594         | BD17       | 70    | Medium                  | M98               | 12000            | 4500                | 2800              | 5.43      | 75  | 4000            |
| MVR70/U/MED  | <b>94058601</b> | 12590         | BD17       | 70    | Medium                  | M98               | 12000            | 4700                | 3000              | 5.43      | 75  | 4000            |
| MXR70/C/U/MED  | <b>92116535</b> | 22162         | BD17       | 70    | Medium                  | M98               | 12000            | 5300                | 3300              | 5.43      | 70  | 3200            |
| MXR70/U/MED  | <b>92116534</b> | 22158         | BD17       | 70    | Medium                  | M98               | 12000            | 5500                | 3500              | 5.43      | 70  | 3200            |
| MVR100/C/U/MED                                       | <b>94056836</b> | 12653         | BD17       | 100   | Medium                  | M90               | 15000            | 7600                | 4900              | 5.43      | 75  | 4000            |
| MVR100/U/MED   | <b>94056835</b> | 12652         | BD17       | 100   | Medium                  | M90               | 15000            | 8100                | 5800              | 5.43      | 75  | 4000            |
| MXR100/C/U/MED                                       | <b>91025161</b> | 18679         | BD17       | 100   | Medium                  | M90               | 15000            | 8500                | 5900              | 5.43      | 70  | 3200            |
| MXR100/U/MED   | <b>89089085</b> | 18680         | BD17       | 100   | Medium                  | M90               | 15000            | 9000                | 6200              | 5.43      | 70  | 3200            |
| MVR150/C/U/MED                                       | <b>92042163</b> | 12604         | BD17       | 150   | Medium                  | M102              | 15000            | 11200               | 7700              | 5.43      | 75  | 4000            |
| MVR150/U/MED   | <b>92042162</b> | 12598         | BD17       | 150   | Medium                  | M102              | 15000            | 11700               | 8100              | 5.43      | 75  | 4000            |
| MXR150/C/U/MED                                       | <b>93145763</b> | 22936         | BD17       | 150   | Medium                  | M102              | 15000            | 12000               | 8300              | 5.43      | 70  | 3200            |
| MXR150/U/MED   | <b>93145762</b> | 22935         | BD17       | 150   | Medium                  | M102              | 15000            | 12500               | 8600              | 5.43      | 70  | 3200            |
| MVR175/CVBUMEDPA                                     | <b>96011652</b> | 12637         | BD17       | 175   | Medium                  | M137 or M152      | 15000            | 16500               | 12500             | 5.75      | 75  | 4000            |
| MVR175/VBU/MEDPA                                     | <b>96011651</b> | 12636         | BD17       | 175   | Medium                  | M137 or M152      | 15000            | 17500               | 13000             | 5.75      | 75  | 4000            |
| MPR175/VBU/O135                                      | <b>99891305</b> | 49470         | BT28       | 175   | EX39                    | M137 or M152      | 10000            | 14400               | 12000             | 8.25      | 65  | 4000            |
| MVR175/C/VBU/PA                                      | <b>97173366</b> | 12633         | ED23.5     | 175   | Mogul                   | M137 or M152      | 15000            | 16500               | 12500             | 7.5       | 75  | 4000            |
| MVR175/VBU/PA  | <b>96086593</b> | 12622         | ED23.5     | 175   | Mogul                   | M137 or M152      | 15000            | 17500               | 13000             | 7.5       | 75  | 4000            |
| MVR250/C/VBU/PA135                                   | <b>98303665</b> | 26319         | ED28       | 250   | Mogul                   | M138 or M153      | 15000            | 21500               | 15500             | 8.25      | 65  | 3900            |
| MVR250/VBU/PA135                                     | <b>98303664</b> | 26317         | ED28       | 250   | Mogul                   | M138 or M153      | 15000            | 23000               | 17000             | 8.25      | 65  | 4200            |
| MVR320/C/VBUHOPAC35                                  | <b>99526653</b> | 27502         | ED28       | 320   | Mogul                   | M132 or M154      | 20000            | 30000               | 16500             | 8.25      | 70  | 3700            |
| MVR320/VBU/HO/PA135                                  | <b>98307618</b> | 27501         | ED28       | 320   | Mogul                   | M132 or M154      | 20000            | 31000               | 18000             | 8.25      | 65  | 4000            |
| MVR320VBU/XHO/PA                                     | <b>99534923</b> | 45666         | ED28       | 320   | Mogul                   | M132 or M154      | 20000            | 34000               | 25000             | 8.25      | 65  | 4000            |
| MVR400/VBUED28PA135                                  | <b>99703357</b> | 46271         | ED28       | 400   | Mogul                   | M135 or M155      | 20000            | 44000               | 28500             | 8.25      | 65  | 4000            |
| MVR400/CVBUXHOPA                                     | <b>96011648</b> | 12644         | ED37       | 400   | Mogul                   | M135 or M155      | 20000            | 42000               | 31500             | 11.5      | 70  | 3700            |
| MVR400/VBU/XHOPA                                     | <b>96011647</b> | 12642         | ED37       | 400   | Mogul                   | M135 or M155      | 20000            | 44000               | 33000             | 11.5      | 65  | 4000            |
| MVR750/C/VBU/PA200                                   | <b>99574175</b> | 45560         | BT37       | 750   | Mogul                   | M149              | 16000            | 72000               | 54000             | 11.5      | 70  | 3700            |
| MVR750/VBU/PA200                                     | <b>99527713</b> | 27219         | BT37       | 750   | Mogul                   | M149              | 16000            | 82000               | 60000             | 11.5      | 65  | 4000            |
| MVR1000U/BT37/PA                                     | <b>22084760</b> | 10389         | BT37       | 1000  | Mogul                   | M141              | 12000V/<br>9000H | 115000V/<br>105000H | 90000V/<br>82000H | 11.3      | 65  | 3900            |
| <b>HIGH OUTPUT AND XHO MULTI-VAPOR® Metal Halide</b> |                 |               |            |       |                         |                   |                  |                     |                   |           |     |                 |
| MVR250/HOR   | <b>89089082</b> | 18101         | ED28       | 250   | Position-Oriented Mogul | M58               | 15000            | 21000               | 10000             | 8.25      | 65  | 4200            |
| MVR360/VBU/WM/HO                                     | <b>94058604</b> | 13495         | ED         | 360   | Mogul                   | M59               | 20000            | 36000               | 23500             | 11.5      | 65  | 4300            |
| MVR360C/VBUWMXHO                                     | <b>98307615</b> | 40055         | ED37       | 360   | Mogul                   | M59               | 20000            | 37500               | 24500             | 11.5      | 70  | 4000            |
| MVR360VBU/STB/WM                                     | <b>99701717</b> | 47685         | ED37       | 360   | Mogul                   | M59               | 20000            | 36000               | 27000             | 11.5      | 65  | 4300            |
| MVR360VBU/WM/XHO                                     | <b>98307612</b> | 40053         | ED37       | 360   | Mogul                   | M59               | 20000            | 39000               | 25500             | 11.5      | 65  | 4200            |
| MVR400/VBU/HO  | <b>88112494</b> | 49657         | ED         | 400   | Mogul                   | M59               | 20000            | 41000               | 26500             | 11.5      | 65  | 4000            |
| MVR400/HOR/BT28135                                   | <b>99525532</b> | 40201         | BT28       | 400   | Mogul                   | M59               | 20000            | 37000               | 22000             | 8.25      | 65  | 4200            |

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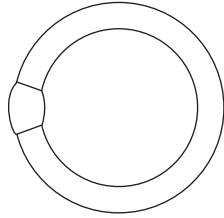
## Metal Halide

General Electric Co.

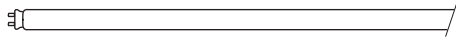
| Mfg. No.   | GE Order<br>Advanced ID Code | Bulb<br>Shape | Watts | Base<br>Type | ANSI Ballast<br>Type       | Rated Life<br>(hrs) | Lumens<br>Initial | Lumens<br>Mean      | MOL (in.)           | CRI   | Color<br>Temp. (K) |
|--|------------------------------|---------------|-------|--------------|----------------------------|---------------------|-------------------|---------------------|---------------------|-------|--------------------|
| <b>HIGH OUTPUT AND XHO MULTI-VAPOR® Metal Halide</b>       |                              |               |       |              |                            |                     |                   |                     |                     |       |                    |
| MVR400/HOR/MOG   | 97112592                     | 26218         | BT37  | 400          | Mogul                      | M59                 | 20000             | 38000               | 22500               | 11.5  | 65 4200            |
| MVR400/VBU/BT28  | 99422140                     | 40335         | ED28  | 400          | Mogul                      | M59                 | 20000             | 41000               | 26500               | 8.31  | 65 4000            |
| MVR400/C/VBU/XHO   | 95044730                     | 13924         | ED37  | 400          | Mogul                      | M59                 | 20000             | 42000               | 27000               | 11.5  | 70 3700            |
| MVR400/VBU/STBHO   | 99504567                     | 26865         | ED37  | 400          | Mogul                      | M59                 | 20000             | 41000               | 31000               | 11.5  | 65 4000            |
| MVR400/VBU/XHO   | 95044716                     | 13923         | ED37  | 400          | Mogul                      | M59                 | 20000             | 43000               | 28000               | 11.5  | 65 4000            |
| MVR1000/C/VBU/HO   | 96054735                     | 13137         | BT56  | 1000         | Mogul                      | M47                 | 15000V            | 107000V             | 81500V              | 15.37 | 70 3700            |
| MVR1000/VBU/HO   | 88112277                     | 44835         | BT56  | 1000         | Mogul                      | M47                 | 15000V            | 111000V             | 87000V              | 15.37 | 65 3800            |
| <b>CHROMAFIT™ MULTI-VAPOR® Metal Halide (HPS Retrofit)</b> |                              |               |       |              |                            |                     |                   |                     |                     |       |                    |
| MVR250/VBU/R   | 94044104                     | 12762         | ED28  | 250          | Mogul                      | S50                 | 10000             | 18500               | 13900               | 8.25  | 65 4500            |
| MVR400/U/ED28/R  | 97221648                     | 26851         | ED28  | 400          | Mogul                      | S51                 | 20000V/<br>15000H | 36000V/<br>33100H   | 22000V/<br>20200H   | 8.31  | 65 4000            |
| MVR400/VBU/R   | 94044106                     | 12770         | ED37  | 400          | Mogul                      | S51                 | 20000             | 37600               | 22600               | 11.5  | 65 4500            |
| <b>I-LINE MULTI-VAPOR® Metal Halide (Mercury Retrofit)</b> |                              |               |       |              |                            |                     |                   |                     |                     |       |                    |
| MVR325/U/U/WM  | 88112283                     | 10687         | ED37  | 325          | Mogul                      | H33                 | 20000V/<br>10000H | 28000V/<br>25800H   | 13300V/<br>12200H   | 11.5  | 65 4000            |
| MVR400/I/U   | 88112288                     | 43817         | ED37  | 400          | Mogul                      | H33 or M59          | 15000V/<br>10000H | 36000V/<br>33100H   | 24000V/<br>22100H   | 11.5  | 65 4000            |
| MVR950/I/VBU   | 88112291                     | 39097         | BT56  | 950          | Mogul                      | H36 or M47          | 12000             | 100000              | 62900               | 15.06 | 65 3800            |
| <b>SAF-T-GARD® Self-Extinguishing MULTI-VAPOR®</b>         |                              |               |       |              |                            |                     |                   |                     |                     |       |                    |
| MVT400/VBU   | 88112298                     | 11144         | ED37  | 400          | Mogul                      | M59                 | 20000             | 41000               | 26500               | 11.5  | 65 4000            |
| <b>ARCSTREAM® Metal Halide</b>                             |                              |               |       |              |                            |                     |                   |                     |                     |       |                    |
| ARC250/T/H/960/E39   | 99485213                     | 26683         | T15   | 250          | Mogul                      | M80                 | 10000             | 19000               | 13300               | 8.37  | 90 6000            |
| ARC70/TD/JVC/730   | 99842078                     | 34530         | T6    | 70           | R7s                        | M85                 | 6000              | 6000                | 4800                | 4.68  | 75 3000            |
| <b>Sportslighting</b>                                      |                              |               |       |              |                            |                     |                   |                     |                     |       |                    |
| SPL1000/PAR64/HR   | 92042138                     | 29336         | PAR64 | 1000         | G38                        | –                   | 3500              | 63000               | 53000               | 6.87  | 80 4000            |
| SPL1000/PAR64840   | 99466412                     | 29333         | PAR64 | 1000         | G38                        | –                   | 3500              | 63000               | 53000               | 6.87  | 80 4000            |
| MVR1500/HBU  | 88112279                     | 37405         | BT56  | 1500         | Mogul                      | M48                 | 3000V/<br>3000H   | 165000V/<br>155000H | 140000V/<br>130000H | 15.37 | 65 3900            |
| MVR1500/U/SPORTS   | 99565223                     | 47326         | BT56  | 1500         | Mogul                      | M48                 | 3000V/<br>3000H   | 170000V/<br>162000H | 153000V/<br>133000H | 15.37 | 65 4000            |
| MVR1650/HOR270   | 97119894                     | 25532         | BT56  | 1650         | Position-Oriented<br>Mogul | M112                | 3000              | 177000              | 145000              | 15.37 | 65 3200            |
| MQI/2000/T9/40   | 96011657                     | 12275         | T     | 2000         | #10 Spade                  | M134                | 3000              | 200000              | 170000              | 10    | 65 4000            |

General Electric Co.

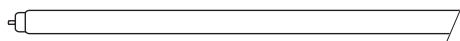
### Lamp Locator (Not Drawn to Scale)



T9 Circline (1 1/8" diameter) 4-Pin Base (G10q)



T5 (5/8" diameter) Miniature Bipin Base (G5)



T6 (3/4" diameter) Single Pin Base (Fa8)



T8 (1" diameter) Single Pin Base (Fa8)



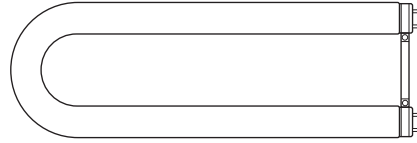
T8 (1" diameter) Medium Bipin Base (G13)



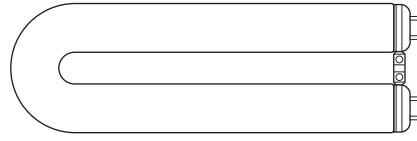
T8 (1" diameter) Recessed Double Contact Base (R17d)



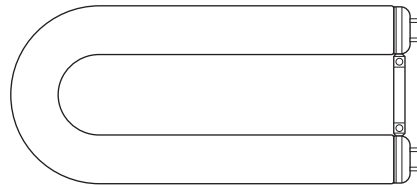
T10 (1 1/4" diameter) Recessed Double Contact Base (R17d)



Mod-U-Line® T8/U6 (1" diameter) Medium Bipin Base (G13)



Mod-U-Line® T12/U3 (1 1/2" diameter) Medium Bipin Base (G13)



Mod-U-Line® T12/U6 (1 1/2" diameter) Medium Bipin Base (G13)



T12 (1 1/2" diameter) Single Pin Base (Fa8)



T12 (1 1/2" diameter) Medium Bipin Base (G13)



T12 (1 1/2" diameter) Recessed Double Contact Base (R17d)



T17 (2 1/8" diameter) Mogul Bipin (G20)



Power Groove® (2 1/8" diameter)  
Recessed Double Contact Base (R17d)

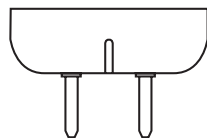
### Base Identification



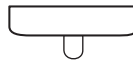
Min Bipin  
G5



Med Bipin  
G13



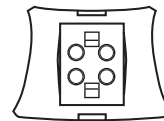
Mog Bipin  
G20



Single Pin  
Fa8



Recessed Double  
Contact  
R17d



4-Pin  
G10q  
(Circline)



## T5

General Electric Co.

| Mfg. No.                  | Advanced ID     | GE Order Code | Bulb Shape | Watts | Base Type            | Nominal Length (in.) | Average Rated Life (Hrs) | Lumens Initial | Lumens Mean | Color CRI | Temp. (K) |
|---------------------------|-----------------|---------------|------------|-------|----------------------|----------------------|--------------------------|----------------|-------------|-----------|-----------|
| <b>T5 STARCOAT® Lamps</b> |                 |               |            |       |                      |                      |                          |                |             |           |           |
| <b>High Efficiency</b>    |                 |               |            |       |                      |                      |                          |                |             |           |           |
| F14W/T5/830/ECO           | <b>25010721</b> | 31590         | T5         | 14    | Miniature BiPin (G5) | 21.6                 | 36000                    | 1350           | 1240        | 85        | 3000      |
| F14W/T5/835/ECO           | <b>25011842</b> | 46671         | T5         | 14    | Miniature BiPin (G5) | 21.6                 | 36000                    | 1350           | 1240        | 85        | 3500      |
| F14W/T5/841/ECO           | <b>25011848</b> | 46673         | T5         | 14    | Miniature BiPin (G5) | 21.6                 | 36000                    | 1350           | 1240        | 85        | 4100      |
| F14W/T5/850/ECO           | <b>25011850</b> | 46674         | T5         | 14    | Miniature BiPin (G5) | 21.6                 | 36000                    | 1300           | 1190        | 85        | 5000      |
| F14W/T5/865/ECO           | <b>25011855</b> | 46676         | T5         | 14    | Miniature BiPin (G5) | 21.6                 | 36000                    | 1250           | 1150        | 85        | 6500      |
| F21W/T5/830/ECO           | <b>25010722</b> | 46677         | T5         | 21    | Miniature BiPin (G5) | 33.4                 | 36000                    | 2100           | 1930        | 85        | 3000      |
| F21W/T5/835/ECO           | <b>25011858</b> | 46684         | T5         | 21    | Miniature BiPin (G5) | 33.4                 | 36000                    | 2100           | 1930        | 85        | 3500      |
| F21W/T5/841/ECO           | <b>25011860</b> | 46687         | T5         | 21    | Miniature BiPin (G5) | 33.4                 | 36000                    | 2100           | 1930        | 85        | 4100      |
| F21W/T5/850/ECO           | <b>25011861</b> | 46688         | T5         | 21    | Miniature BiPin (G5) | 33.4                 | 36000                    | 2000           | 1840        | 85        | 5000      |
| F21W/T5/865/ECO           | <b>25011862</b> | 46689         | T5         | 21    | Miniature BiPin (G5) | 33.4                 | 36000                    | 1950           | 1790        | 85        | 6500      |
| F28W/T5/830/ECO           | <b>25010724</b> | 46704         | T5         | 28    | Miniature BiPin (G5) | 45.2                 | 36000                    | 2900           | 2660        | 85        | 3000      |
| F28W/T5/835/ECO           | <b>25011863</b> | 46705         | T5         | 28    | Miniature BiPin (G5) | 45.2                 | 36000                    | 2900           | 2660        | 85        | 3500      |
| F28W/T5/841/ECO           | <b>25011864</b> | 46706         | T5         | 28    | Miniature BiPin (G5) | 45.2                 | 36000                    | 2900           | 2660        | 85        | 4100      |
| F28W/T5/850/ECO           | <b>25011865</b> | 46707         | T5         | 28    | Miniature BiPin (G5) | 45.2                 | 36000                    | 2750           | 2530        | 85        | 5000      |
| F28W/T5/865/ECO           | <b>25011866</b> | 46708         | T5         | 28    | Miniature BiPin (G5) | 45.2                 | 36000                    | 2700           | 2480        | 85        | 6500      |
| F35W/T5/830/ECO           | <b>25011985</b> | 46724         | T5         | 35    | Miniature BiPin (G5) | 57.1                 | 36000                    | 3650           | 3350        | 85        | 3000      |
| F35W/T5/835/ECO           | <b>25011986</b> | 46727         | T5         | 35    | Miniature BiPin (G5) | 57.1                 | 36000                    | 3650           | 3350        | 85        | 3500      |
| F35W/T5/841/ECO           | <b>25011993</b> | 46735         | T5         | 35    | Miniature BiPin (G5) | 57.1                 | 36000                    | 3650           | 3350        | 85        | 4100      |
| F35W/T5/850/ECO           | <b>25012001</b> | 46742         | T5         | 35    | Miniature BiPin (G5) | 57.1                 | 36000                    | 3500           | 3220        | 85        | 5000      |
| F35W/T5/865/ECO           | <b>25012007</b> | 46743         | T5         | 35    | Miniature BiPin (G5) | 57.1                 | 36000                    | 3400           | 3120        | 85        | 6500      |
| <b>High Output</b>        |                 |               |            |       |                      |                      |                          |                |             |           |           |
| F24W/T5/830/ECO           | <b>25012019</b> | 46699         | T5         | 24    | Miniature BiPin (G5) | 21.6                 | 36000                    | 2000           | 1840        | 85        | 3000      |
| F24W/T5/835/ECO           | <b>25012301</b> | 46700         | T5         | 24    | Miniature BiPin (G5) | 21.6                 | 36000                    | 2000           | 1840        | 85        | 3500      |
| F24W/T5/841/ECO           | <b>25012021</b> | 46701         | T5         | 24    | Miniature BiPin (G5) | 21.6                 | 36000                    | 2000           | 1840        | 85        | 4100      |
| F24W/T5/850/ECO           | <b>25012022</b> | 46702         | T5         | 24    | Miniature BiPin (G5) | 21.6                 | 36000                    | 1900           | 1740        | 85        | 5000      |
| F24W/T5/865/ECO           | <b>25012024</b> | 46703         | T5         | 24    | Miniature BiPin (G5) | 21.6                 | 36000                    | 1900           | 1740        | 85        | 6500      |
| F39W/T5/830/ECO           | <b>25012025</b> | 46744         | T5         | 39    | Miniature BiPin (G5) | 33.4                 | 36000                    | 3500           | 3220        | 85        | 3000      |
| F39W/T5/835/ECO           | <b>25012026</b> | 46745         | T5         | 39    | Miniature BiPin (G5) | 33.4                 | 36000                    | 3500           | 3220        | 85        | 3500      |
| F39W/T5/841/ECO           | <b>25012027</b> | 46746         | T5         | 39    | Miniature BiPin (G5) | 33.4                 | 36000                    | 3500           | 3220        | 85        | 4100      |
| F39W/T5/850/ECO           | <b>25012029</b> | 46747         | T5         | 39    | Miniature BiPin (G5) | 33.4                 | 36000                    | 3350           | 3080        | 85        | 5000      |
| F39W/T5/865/ECO           | <b>25012031</b> | 46748         | T5         | 39    | Miniature BiPin (G5) | 33.4                 | 36000                    | 3330           | 3060        | 85        | 6500      |
| F54W/T5/830/ECO           | <b>25012079</b> | 46759         | T5         | 54    | Miniature BiPin (G5) | 45.2                 | 36000                    | 5000           | 4600        | 85        | 3000      |
| F54W/T5/835/ECO           | <b>25012085</b> | 46760         | T5         | 54    | Miniature BiPin (G5) | 45.2                 | 36000                    | 5000           | 4600        | 85        | 3500      |
| F54W/T5/841/ECO           | <b>25012089</b> | 46761         | T5         | 54    | Miniature BiPin (G5) | 45.2                 | 36000                    | 5000           | 4600        | 85        | 4100      |
| F54W/T5/850/ECO           | <b>25012094</b> | 46762         | T5         | 54    | Miniature BiPin (G5) | 45.2                 | 36000                    | 4800           | 4410        | 85        | 5000      |
| F54W/T5/865/ECO           | <b>25002238</b> | 46763         | T5         | 54    | Miniature BiPin (G5) | 45.2                 | 36000                    | 4750           | 4370        | 85        | 6500      |
| F49W/T5/830/ECO           | <b>25012032</b> | 46751         | T5         | 49    | Miniature BiPin (G5) | 57.1                 | 36000                    | 4900           | 4500        | 85        | 3000      |
| F49W/T5/835/ECO           | <b>25012034</b> | 46752         | T5         | 49    | Miniature BiPin (G5) | 57.1                 | 36000                    | 4900           | 4500        | 85        | 3500      |
| F49W/T5/841/ECO           | <b>25012036</b> | 46753         | T5         | 49    | Miniature BiPin (G5) | 57.1                 | 36000                    | 4900           | 4500        | 85        | 4100      |
| F49W/T5/850/ECO           | <b>25012076</b> | 46757         | T5         | 49    | Miniature BiPin (G5) | 57.1                 | 36000                    | 4700           | 4320        | 85        | 5000      |
| F49W/T5/865/ECO           | <b>25012077</b> | 46758         | T5         | 49    | Miniature BiPin (G5) | 57.1                 | 36000                    | 4650           | 4270        | 85        | 6500      |
| F80W/T5/830/ECO           | <b>25012099</b> | 46802         | T5         | 80    | Miniature BiPin (G5) | 57.1                 | 36000                    | 7000           | 6440        | 85        | 3000      |
| F80W/T5/835/ECO           | <b>25012100</b> | 46803         | T5         | 80    | Miniature BiPin (G5) | 57.1                 | 36000                    | 7000           | 6440        | 85        | 3500      |
| F80W/T5/841/ECO           | <b>25012101</b> | 46804         | T5         | 80    | Miniature BiPin (G5) | 57.1                 | 36000                    | 7000           | 6440        | 85        | 4100      |
| F80W/T5/850/ECO           | <b>25012102</b> | 46805         | T5         | 80    | Miniature BiPin (G5) | 57.1                 | 36000                    | 6700           | 6160        | 85        | 5000      |
| F80W/T5/865/ECO           | <b>25012103</b> | 46806         | T5         | 80    | Miniature BiPin (G5) | 57.1                 | 36000                    | 6650           | 6110        | 85        | 6500      |
| <b>T5 Preheat Lamps</b>   |                 |               |            |       |                      |                      |                          |                |             |           |           |
| <b>6 in.</b>              |                 |               |            |       |                      |                      |                          |                |             |           |           |
| F4T5/CW                   | <b>88111934</b> | 10004         | T5         | 4     | Miniature BiPin (G5) | 6                    | 5000                     | 135            | 100         | 60        | 4100      |
| <b>9 in.</b>              |                 |               |            |       |                      |                      |                          |                |             |           |           |
| F6T5/CW                   | <b>88111955</b> | 10032         | T5         | 6     | Miniature BiPin (G5) | 9                    | 5000                     | 295            | 235         | 60        | 4100      |
| F8T5/CW                   | <b>88112003</b> | 10059         | T5         | 8     | Miniature BiPin (G5) | 12                   | 5000                     | 400            | 320         | 60        | 4100      |
| F8T5/D                    | <b>88112006</b> | 10055         | T5         | 8     | Miniature BiPin (G5) | 12                   | 5000                     | 330            | 265         | 75        | 6500      |
| F8T5/WW                   | <b>88112007</b> | 10064         | T5         | 8     | Miniature BiPin (G5) | 12                   | 5000                     | 410            | 330         | 52        | 3000      |
| F13T5/CW                  | <b>88111640</b> | 10086         | T5         | 13    | Miniature BiPin (G5) | 21                   | 5000                     | 850            | 705         | 60        | 4100      |
| F13T5/WW                  | <b>89027919</b> | 10089         | T5         | 13    | Miniature BiPin (G5) | 21                   | 5000                     | 870            | 720         | 52        | 3000      |



### T8

General Electric Co.

| Mfg. No.                              | Advanced ID | GE Order Code   | Bulb Shape | Watts | Base Type | Nominal Length (in.) | Average Rated Life (Hrs) | Lumens Initial | Lumens Mean | Color CRI | Temp. (K) |
|---------------------------------------|-------------|-----------------|------------|-------|-----------|----------------------|--------------------------|----------------|-------------|-----------|-----------|
| <b>T8 STARCOAT® Lamps</b>             |             |                 |            |       |           |                      |                          |                |             |           |           |
| <b>2 ft. ECOLUX® - TCLP COMPLIANT</b> |             |                 |            |       |           |                      |                          |                |             |           |           |
| F17T8/SP30/ECO                        |             | <b>99574185</b> | 45741      | T8    | 17        | Medium BiPin (G13)   | 24                       | 24000          | 1325        | 1260      | 78 3000   |
| F17T8/SPX30/ECO                       |             | <b>99653160</b> | 45742      | T8    | 17        | Medium BiPin (G13)   | 24                       | 24000          | 1350        | 1280      | 86 3000   |
| F17T8/SP35/ECO                        |             | <b>99564428</b> | 45743      | T8    | 17        | Medium BiPin (G13)   | 24                       | 24000          | 1325        | 1260      | 78 3500   |
| F17T8/SPX35/ECO                       |             | <b>99564430</b> | 45747      | T8    | 17        | Medium BiPin (G13)   | 24                       | 24000          | 1350        | 1280      | 86 3500   |
| F17T8/SP41/ECO                        |             | <b>99564429</b> | 45748      | T8    | 17        | Medium BiPin (G13)   | 24                       | 24000          | 1325        | 1260      | 78 4100   |
| F17T8/SPX41/ECO                       |             | <b>99564431</b> | 45749      | T8    | 17        | Medium BiPin (G13)   | 24                       | 24000          | 1350        | 1280      | 86 4100   |
| <b>2 ft. ECOLUX® XL Extra-Life</b>    |             |                 |            |       |           |                      |                          |                |             |           |           |
| F17T8/XL/SP30/ECO                     |             | <b>25021394</b> | 15476      | T8    | 17        | Medium BiPin (G13)   | 24                       | 29000          | 1325        | 1260      | 78 3000   |
| F17T8XL/SPX30ECO                      |             | <b>22075891</b> | 15481      | T8    | 17        | Medium BiPin (G13)   | 24                       | 29000          | 1350        | 1280      | 86 3000   |
| F17T8/XL/SP35/ECO                     |             | <b>25021395</b> | 15479      | T8    | 17        | Medium BiPin (G13)   | 24                       | 29000          | 1325        | 1260      | 78 3500   |
| F17T8XL/SPX35ECO                      |             | <b>22079953</b> | 15483      | T8    | 17        | Medium BiPin (G13)   | 24                       | 29000          | 1350        | 1280      | 86 3500   |
| F17T8/XL/SP41/ECO                     |             | <b>25021397</b> | 15480      | T8    | 17        | Medium BiPin (G13)   | 24                       | 29000          | 1325        | 1260      | 78 4100   |
| F17T8XL/SPX41ECO                      |             | <b>22079952</b> | 15484      | T8    | 17        | Medium BiPin (G13)   | 24                       | 29000          | 1350        | 1280      | 86 4100   |
| F17T8/XL/SPX50/ECO                    |             | <b>93163081</b> | 10415      | T8    | 17        | Medium BiPin (G13)   | 24                       | 29000          | 1300        | 1235      | 86 5000   |
| F17T8XLSPX65ECO                       |             | <b>22079951</b> | 16092      | T8    | 17        | Medium BiPin (G13)   | 24                       | 29000          | 1250        | 1125      | 85 6500   |
| <b>3 ft. ECOLUX® - TCLP COMPLIANT</b> |             |                 |            |       |           |                      |                          |                |             |           |           |
| F25T8/SP30/ECO                        |             | <b>99657150</b> | 45750      | T8    | 25        | Medium BiPin (G13)   | 36                       | 24000          | 2080        | 1970      | 78 3000   |
| F25T8/SPX30/ECO                       |             | <b>99653159</b> | 45753      | T8    | 25        | Medium BiPin (G13)   | 36                       | 24000          | 2150        | 2040      | 86 3000   |
| F25T8/SP35/ECO                        |             | <b>99564432</b> | 45754      | T8    | 25        | Medium BiPin (G13)   | 36                       | 24000          | 2080        | 1970      | 78 3500   |
| F25T8/SPX35/ECO                       |             | <b>99564434</b> | 45755      | T8    | 25        | Medium BiPin (G13)   | 36                       | 24000          | 2150        | 2040      | 86 3500   |
| F25T8/SP41/ECO                        |             | <b>99564433</b> | 45756      | T8    | 25        | Medium BiPin (G13)   | 36                       | 24000          | 2080        | 1970      | 78 4100   |
| F25T8/SPX41/ECO                       |             | <b>99564435</b> | 45757      | T8    | 25        | Medium BiPin (G13)   | 36                       | 24000          | 2150        | 2040      | 86 4100   |
| <b>3 ft. ECOLUX® XL Extra-Life</b>    |             |                 |            |       |           |                      |                          |                |             |           |           |
| F25T8/XL/SP30/ECO                     |             | <b>25051317</b> | 15486      | T8    | 25        | Medium BiPin (G13)   | 36                       | 29000          | 2080        | 1970      | 78 3000   |
| F25T8/XLSPX30/ECO                     |             | <b>22072227</b> | 15489      | T8    | 25        | Medium BiPin (G13)   | 36                       | 29000          | 2150        | 2040      | 86 3000   |
| F25T8/XL/SP35/ECO                     |             | <b>25043926</b> | 15487      | T8    | 25        | Medium BiPin (G13)   | 36                       | 29000          | 2080        | 1970      | 78 3500   |
| F25T8XL/SPX35ECO                      |             | <b>22079954</b> | 15490      | T8    | 25        | Medium BiPin (G13)   | 36                       | 29000          | 2150        | 2040      | 86 3500   |
| F25T8/XL/SP41/ECO                     |             | <b>25026285</b> | 15488      | T8    | 25        | Medium BiPin (G13)   | 36                       | 29000          | 2080        | 1970      | 78 4100   |
| F25T8XL/SPX41ECO                      |             | <b>22077398</b> | 15491      | T8    | 25        | Medium BiPin (G13)   | 36                       | 29000          | 2150        | 2040      | 86 4100   |
| F25T8/XL/SPX50/ECO                    |             | <b>93163082</b> | 10416      | T8    | 25        | Medium BiPin (G13)   | 36                       | 29000          | 2050        | 1950      | 86 5000   |
| F25T8XLSPX65ECO                       |             | <b>22079958</b> | 16314      | T8    | 25        | Medium BiPin (G13)   | 36                       | 29000          | 1950        | 1755      | 85 6500   |
| <b>4 ft. ECOLUX® - TCLP COMPLIANT</b> |             |                 |            |       |           |                      |                          |                |             |           |           |
| F32T8/SP30/ECO                        |             | <b>97194105</b> | 26666      | T8    | 32        | Medium BiPin (G13)   | 48                       | 24000          | 2800        | 2660      | 78 3000   |
| F32T8/SPX30/ECO                       |             | <b>97119895</b> | 25611      | T8    | 32        | Medium BiPin (G13)   | 48                       | 24000          | 2950        | 2800      | 86 3000   |
| F32T8/SP35/ECO                        |             | <b>97194103</b> | 26667      | T8    | 32        | Medium BiPin (G13)   | 48                       | 24000          | 2800        | 2660      | 78 3500   |
| F32T8/SPX35/ECO                       |             | <b>97105732</b> | 25612      | T8    | 32        | Medium BiPin (G13)   | 48                       | 24000          | 2950        | 2800      | 86 3500   |
| F32T8/SP41/ECO                        |             | <b>97194102</b> | 26668      | T8    | 32        | Medium BiPin (G13)   | 48                       | 24000          | 2800        | 2660      | 78 4100   |
| F32T8/SPX41/ECO                       |             | <b>97105733</b> | 25613      | T8    | 32        | Medium BiPin (G13)   | 48                       | 24000          | 2950        | 2800      | 86 4100   |
| F32T8/SP50/ECO                        |             | <b>22066439</b> | 16090      | T8    | 32        | Medium BiPin (G13)   | 48                       | 24000          | 2750        | 2610      | 78 5000   |
| F32T8/SPX50/ECO                       |             | <b>99569932</b> | 42064      | T8    | 32        | Medium BiPin (G13)   | 48                       | 24000          | 2800        | 2660      | 86 5000   |
| F32T8/SP65/ECO                        |             | <b>22065098</b> | 16091      | T8    | 32        | Medium BiPin (G13)   | 48                       | 24000          | 2700        | 2565      | 78 6500   |
| <b>4 ft. ECOLUX® XL Extra-Life</b>    |             |                 |            |       |           |                      |                          |                |             |           |           |
| F32T8/XL/SP30ECO                      |             | <b>98303782</b> | 27616      | T8    | 32        | Medium BiPin (G13)   | 48                       | 29000          | 2800        | 2660      | 78 3000   |
| F32T8XL/SPX30ECO                      |             | <b>98306985</b> | 27619      | T8    | 32        | Medium BiPin (G13)   | 48                       | 29000          | 2950        | 2800      | 86 3000   |
| F32T8/XL/SP35ECO                      |             | <b>98303783</b> | 27617      | T8    | 32        | Medium BiPin (G13)   | 48                       | 29000          | 2800        | 2660      | 78 3500   |
| F32T8XL/SPX35ECO                      |             | <b>98306993</b> | 27620      | T8    | 32        | Medium BiPin (G13)   | 48                       | 29000          | 2950        | 2800      | 86 3500   |
| F32T8/XL/SP41ECO                      |             | <b>98303785</b> | 27618      | T8    | 32        | Medium BiPin (G13)   | 48                       | 29000          | 2800        | 2660      | 78 4100   |
| F32T8XL/SPX41ECO                      |             | <b>98306994</b> | 27621      | T8    | 32        | Medium BiPin (G13)   | 48                       | 29000          | 2950        | 2800      | 86 4100   |
| F32T8XLSPX50ECO                       |             | <b>22075950</b> | 16313      | T8    | 32        | Medium BiPin (G13)   | 48                       | 29000          | 2800        | 2660      | 86 5000   |
| F32T8XL/SPX65ECO                      |             | <b>22079955</b> | 16089      | T8    | 32        | Medium BiPin (G13)   | 48                       | 29000          | 2750        | 2475      | 85 6500   |
| <b>4 ft. ECOLUX® Super Long Life</b>  |             |                 |            |       |           |                      |                          |                |             |           |           |
| F32T8SXL/SP30ECO                      |             | <b>99951827</b> | 49702      | T8    | 32        | Medium BiPin (G13)   | 48                       | 36000          | 2850        | 2675      | 84 3000   |
| F32T8SXL/SP35ECO                      |             | <b>99951829</b> | 49778      | T8    | 32        | Medium BiPin (G13)   | 48                       | 36000          | 2850        | 2675      | 83 3500   |
| F32T8SXL/SP41ECO                      |             | <b>99951830</b> | 49779      | T8    | 32        | Medium BiPin (G13)   | 48                       | 36000          | 2850        | 2675      | 81 4100   |

Continued ►

## T8

General Electric Co.

| Mfg. No.   | Advanced ID | GE Order Code | Bulb Shape | Watts | Base Type | Nominal Length (in.) | Average Rated Life (Hrs) | Lumens Initial | Lumens Mean | Color CRI | Temp. (K) |
|--|-------------|---------------|------------|-------|-----------|----------------------|--------------------------|----------------|-------------|-----------|-----------|
| <b>T8 STARCOAT® Lamps</b>  |             |               |            |       |           |                      |                          |                |             |           |           |
| <b>Ultra Energy Saving - 4 ft. T8 ECOLUX® WATT-MISER®</b>  |             |               |            |       |           |                      |                          |                |             |           |           |
| F32T8SP30ISWMECO   |             | 99666097      | 48277      | T8    | 30        | Medium BiPin (G13)   | 48                       | 24000          | 2875        | 2700      | 84 3000   |
| F32T8SP35ISWMECO   |             | 99666098      | 48278      | T8    | 30        | Medium BiPin (G13)   | 48                       | 24000          | 2850        | 2675      | 83 3500   |
| F32T8SP41ISWMECO   |             | 99666099      | 48279      | T8    | 30        | Medium BiPin (G13)   | 48                       | 24000          | 2825        | 2650      | 81 4100   |
| F32T8/SP50/IS/WM/ECO   |             | 25024505      | 11791      | T8    | 30        | Medium BiPin (G13)   | 48                       | 24000          | 2750        | 2585      | 80 5000   |
| <b>Ultra Energy Saving - 4 ft. T8 ECOLUX® WATT-MISER® XL Extra-Life</b>                                |             |               |            |       |           |                      |                          |                |             |           |           |
| F32T8XLSP30WMECO   |             | 99722816      | 48521      | T8    | 30        | Medium BiPin (G13)   | 48                       | 29000          | 2825        | 2650      | 84 3000   |
| F32T8XLSP35WMECO   |             | 99722817      | 48522      | T8    | 30        | Medium BiPin (G13)   | 48                       | 29000          | 2800        | 2625      | 83 3500   |
| F32T8XLSP41WMECO   |             | 99722818      | 48523      | T8    | 30        | Medium BiPin (G13)   | 48                       | 29000          | 2775        | 2600      | 81 4100   |
| F32T8/XL/SP50/WM/ECO   |             | 25024507      | 42553      | T8    | 30        | Medium BiPin (G13)   | 48                       | 29000          | 2700        | 2540      | 80 5000   |
| <b>Ultra Energy Saving - 4 ft. T8 ECOLUX® WATT-MISER® Optimal Performance on GE ULTRAMAX™ Ballasts</b> |             |               |            |       |           |                      |                          |                |             |           |           |
| F28T8SP30UMX/ECO   |             | 22072239      | 00255      | T8    | 28        | Medium BiPin (G13)   | 48                       | 24000          | 2750        | 2585      | 85 3000   |
| F28T8SP35UMX/ECO   |             | 22072240      | 00256      | T8    | 28        | Medium BiPin (G13)   | 48                       | 24000          | 2750        | 2585      | 85 3500   |
| F28T8SP41UMX/ECO   |             | 22072241      | 00257      | T8    | 28        | Medium BiPin (G13)   | 48                       | 24000          | 2750        | 2585      | 82 4100   |
| F28T8/SP50/UMX/ECO   |             | 25021398      | 42554      | T8    | 28        | Medium BiPin (G13)   | 48                       | 24000          | 2650        | 2490      | 80 5000   |
| <b>Ultra Energy Saving - 4 ft. T8 ECOLUX® WATT-MISER® High Lumen</b>                                   |             |               |            |       |           |                      |                          |                |             |           |           |
| F32T8XLSPX30HLECO  |             | 22077475      | 10327      | T8    | 32        | Medium Bipin (G13)   | 48                       | 29000          | 3100        | 2915      | 85 3000   |
| F32T8/XL/SPX35/HL/ECO  |             | 22071717      | 10326      | T8    | 32        | Medium Bipin (G13)   | 48                       | 29000          | 3100        | 2915      | 85 3500   |
| F32T8XLSPX41HLECO  |             | 22058641      | 10322      | T8    | 32        | Medium Bipin (G13)   | 48                       | 29000          | 3100        | 2915      | 82 4100   |
| <b>MOD-U-LINE® - 1<sup>5</sup>/<sub>8</sub>" Spacing</b>   |             |               |            |       |           |                      |                          |                |             |           |           |
| F31T8/SPX30/U  |             | 99505069      | 41776      | T8    | 31        | Medium BiPin (G13)   | 22.5                     | 20000          | 2725        | 2500      | 82 3000   |
| F31T8/SPX35/U  |             | 99505070      | 41777      | T8    | 31        | Medium BiPin (G13)   | 22.5                     | 20000          | 2725        | 2500      | 82 3500   |
| F31T8/SPX41/U  |             | 99505071      | 41778      | T8    | 31        | Medium BiPin (G13)   | 22.5                     | 20000          | 2725        | 2500      | 82 4100   |
| <b>MOD-U-LINE® - 6" Spacing</b>  |             |               |            |       |           |                      |                          |                |             |           |           |
| F32T8/SP30/U/6   |             | 93169121      | 10479      | T8    | 32        | Medium BiPin (G13)   | 22.5                     | 20000          | 2700        | 2565      | 78 3000   |
| F32T8/SPX30/U/6  |             | 93175174      | 10483      | T8    | 32        | Medium BiPin (G13)   | 22.5                     | 20000          | 2800        | 2630      | 86 3000   |
| F32T8/SP35/U/6   |             | 93169122      | 23585      | T8    | 32        | Medium BiPin (G13)   | 22.5                     | 20000          | 2700        | 2565      | 78 3500   |
| F32T8/SPX35/U/6  |             | 93173798      | 10485      | T8    | 32        | Medium BiPin (G13)   | 22.5                     | 20000          | 2800        | 2630      | 86 3500   |
| F32T8/SP41/U/6   |             | 93169123      | 10480      | T8    | 32        | Medium BiPin (G13)   | 22.5                     | 20000          | 2700        | 2565      | 78 4100   |
| F32T8/SPX41/U/6  |             | 93173799      | 10488      | T8    | 32        | Medium BiPin (G13)   | 22.5                     | 20000          | 2800        | 2630      | 86 4100   |
| F32T8/SPX50/U/6  |             | 93175175      | 10489      | T8    | 32        | Medium BiPin (G13)   | 22.5                     | 20000          | 2660        | 2510      | 86 5000   |
| <b>8 ft. Lamps</b>   |             |               |            |       |           |                      |                          |                |             |           |           |
| F96T8/SP30   |             | 93145746      | 23407      | T8    | 59        | Single Pin (Fa8)     | 96                       | 15000          | 5800        | 5500      | 78 3000   |
| F96T8/SPX30  |             | 93145743      | 23414      | T8    | 59        | Single Pin (Fa8)     | 96                       | 15000          | 5950        | 5650      | 86 3000   |
| F96T8/SP35   |             | 93145741      | 23411      | T8    | 59        | Single Pin (Fa8)     | 96                       | 15000          | 5800        | 5500      | 78 3500   |
| F96T8/SPX35  |             | 93145744      | 23415      | T8    | 59        | Single Pin (Fa8)     | 96                       | 15000          | 5950        | 5650      | 86 3500   |
| F96T8/SP41   |             | 93145742      | 23412      | T8    | 59        | Single Pin (Fa8)     | 96                       | 15000          | 5800        | 5500      | 78 4100   |
| F96T8/SPX41  |             | 93145745      | 23416      | T8    | 59        | Single Pin (Fa8)     | 96                       | 15000          | 5950        | 5650      | 86 4100   |
| F96T8/SPX50  |             | 93162151      | 23575      | T8    | 59        | Single Pin (Fa8)     | 96                       | 15000          | 5950        | 5650      | 86 5000   |
| <b>8 ft. High Output - Recessed Double Contact</b>   |             |               |            |       |           |                      |                          |                |             |           |           |
| F96T8/SP30/HO  |             | 95045505      | 12536      | T8    | 86        | R17d                 | 96                       | 18000          | 8000        | 7600      | 78 3000   |
| F96T8/SP35/HO  |             | 95045506      | 12537      | T8    | 86        | R17d                 | 96                       | 18000          | 8000        | 7600      | 78 3500   |
| F96T8/SPX35/HO   |             | 95045502      | 12533      | T8    | 86        | R17d                 | 96                       | 18000          | 8200        | 7800      | 86 3500   |
| F96T8/SP41/HO  |             | 95045507      | 12538      | T8    | 86        | R17d                 | 96                       | 18000          | 8000        | 7600      | 78 4100   |
| F96T8/SPX41/HO   |             | 95045503      | 12534      | T8    | 86        | R17d                 | 96                       | 18000          | 8200        | 7800      | 86 4100   |
| F96T8/SPX50/HO   |             | 95045504      | 12535      | T8    | 86        | R17d                 | 96                       | 18000          | 8200        | 7800      | 86 5000   |
| <b>5 ft. w/ STARCOAT®</b>  |             |               |            |       |           |                      |                          |                |             |           |           |
| F40T8/SP30   |             | 88111853      | 15950      | T8    | 40        | Medium BiPin (G13)   | 60                       | 20000          | 3600        | 3240      | 75 3000   |
| F40T8/SPX30  |             | 93145770      | 22660      | T8    | 40        | Medium BiPin (G13)   | 60                       | 20000          | 3725        | 3350      | 84 3000   |
| F40T8/SP35   |             | 88111854      | 15951      | T8    | 40        | Medium BiPin (G13)   | 60                       | 20000          | 3600        | 3240      | 75 3500   |
| F40T8/SPX35  |             | 93145771      | 22661      | T8    | 40        | Medium BiPin (G13)   | 60                       | 20000          | 3725        | 3350      | 84 3500   |
| F40T8/SP41   |             | 88111855      | 15952      | T8    | 40        | Medium BiPin (G13)   | 60                       | 20000          | 3600        | 3240      | 75 4100   |
| F40T8/SPX41  |             | 93145772      | 22662      | T8    | 40        | Medium BiPin (G13)   | 60                       | 20000          | 3725        | 3350      | 84 4100   |
| <b>6 ft. Instant Start</b>   |             |               |            |       |           |                      |                          |                |             |           |           |
| F72T8/CW   |             | 88111993      | 10829      | T8    | 35        | Single Pin (Fa8)     | 72                       | 7500           | 3000        | 2730      | 60 4100   |

Continued ►

# Lamps, Lighting & Ballasts

## Lamps, Fluorescent

### T8

General Electric Co.

| Mfg. No.          | Advanced ID     | GE Order Code | Bulb Shape | Watts | Base Type          | Nominal Length (in.) | Average Rated Life (Hrs) | Lumens Initial | Lumens Mean | CRI | Color Temp. (K) |
|-------------------|-----------------|---------------|------------|-------|--------------------|----------------------|--------------------------|----------------|-------------|-----|-----------------|
| <b>T8 Preheat</b> |                 |               |            |       |                    |                      |                          |                |             |     |                 |
| <b>12 in. T8</b>  |                 |               |            |       |                    |                      |                          |                |             |     |                 |
| F13T8/CW          | <b>88111641</b> | 10098         | T8         | 13    | Medium BiPin (G13) | 12                   | 7500                     | 565            | 480         | 60  | 4100            |
| <b>15 in. T8</b>  |                 |               |            |       |                    |                      |                          |                |             |     |                 |
| F14T8/CW          | <b>88111646</b> | 10104         | T8         | 14    | Medium BiPin (G13) | 15                   | 7500                     | 685            | 580         | 60  | 4100            |
| <b>18 in. T8</b>  |                 |               |            |       |                    |                      |                          |                |             |     |                 |
| F15T8/SPX30       | <b>91007370</b> | 19644         | T8         | 15    | Medium BiPin (G13) | 18                   | 7500                     | 1000           | 900         | 82  | 3000            |
| F15T8/SP35        | <b>88315887</b> | 17911         | T8         | 15    | Medium BiPin (G13) | 18                   | 7500                     | 940            | 850         | 75  | 3500            |
| F15T8/SPX35       | <b>91007371</b> | 19645         | T8         | 15    | Medium BiPin (G13) | 18                   | 7500                     | 1000           | 900         | 82  | 3500            |
| F15T8/SP41        | <b>90045515</b> | 19643         | T8         | 15    | Medium BiPin (G13) | 18                   | 7500                     | 940            | 850         | 72  | 4100            |
| F15T8/CW          | <b>88111657</b> | 10142         | T8         | 15    | Medium BiPin (G13) | 18                   | 7500                     | 825            | 725         | 60  | 4100            |
| F15T8/D           | <b>88111662</b> | 10134         | T8         | 15    | Medium BiPin (G13) | 18                   | 7500                     | 700            | 615         | 75  | 6500            |
| F15T8/WW          | <b>88111670</b> | 10147         | T8         | 15    | Medium BiPin (G13) | 18                   | 7500                     | 845            | 745         | 52  | 3000            |
| <b>36 in. T8</b>  |                 |               |            |       |                    |                      |                          |                |             |     |                 |
| F30T8/CW6PK       | <b>88111747</b> | 10316         | T8         | 30    | Medium BiPin (G13) | 36                   | 7500                     | 2175           | 1980        | 60  | 4100            |
| F30T8/D           | <b>88111750</b> | 10310         | T8         | 30    | Medium BiPin (G13) | 36                   | 7500                     | 1850           | 1625        | 75  | 6500            |

### T12 MOD-U-LINE®

General Electric Co.

| Mfg. No.   | Advanced ID     | GE Order Code | Bulb Shape | Watts | Base Type          | Nominal Length (in.) | Average Rated Life (Hrs) | Lumens Initial | Lumens Mean | CRI | Color Temp. (K) |
|--|-----------------|---------------|------------|-------|--------------------|----------------------|--------------------------|----------------|-------------|-----|-----------------|
| <b>MOD-U-LINE - 3<sup>5</sup>/<sub>8</sub> in. Spacing</b>               |                 |               |            |       |                    |                      |                          |                |             |     |                 |
| F40SP35/U/3  | <b>88111828</b> | 14228         | T12        | 40    | Medium BiPin (G13) | 22.5                 | 14000                    | 2925           | 2660        | 73  | 3500            |
| F40SP41/U/3  | <b>88111834</b> | 15260         | T12        | 40    | Medium BiPin (G13) | 22.5                 | 14000                    | 2925           | 2660        | 72  | 4100            |
| F40SCW/U/3   | <b>96011633</b> | 14649         | T12        | 40    | Medium BiPin (G13) | 22.5                 | 14000                    | 2725           | 2400        | 75  | 4100            |
| <b>MOD-U-LINE - 6 in. Spacing</b>  |                 |               |            |       |                    |                      |                          |                |             |     |                 |
| F40SP30/U/6  | <b>88111823</b> | 15263         | T12        | 40    | Medium BiPin (G13) | 22.5                 | 14000                    | 3050           | 2780        | 70  | 3000            |
| F40SPX30/U/6   | <b>88111840</b> | 14816         | T12        | 40    | Medium BiPin (G13) | 22.5                 | 14000                    | 3100           | 2820        | 82  | 3000            |
| F40SP35/U/6  | <b>88111829</b> | 14227         | T12        | 40    | Medium BiPin (G13) | 22.5                 | 14000                    | 3050           | 2780        | 73  | 3500            |
| F40SPX35/U/6   | <b>88111845</b> | 14815         | T12        | 40    | Medium BiPin (G13) | 22.5                 | 14000                    | 3100           | 2820        | 82  | 3500            |
| F40SP41/U/6  | <b>88111835</b> | 15265         | T12        | 40    | Medium BiPin (G13) | 22.5                 | 14000                    | 3050           | 2780        | 72  | 4100            |
| F40SCW/U/6   | <b>95044878</b> | 14648         | T12        | 40    | Medium BiPin (G13) | 22.5                 | 14000                    | 2800           | 2460        | 75  | 4100            |
| <b>MOD-U-LINE - WATT-MISER® - 3<sup>5</sup>/<sub>8</sub> in. Spacing</b> |                 |               |            |       |                    |                      |                          |                |             |     |                 |
| F35CW/U/3/WM   | <b>88111787</b> | 12199         | T12        | 35    | Medium BiPin (G13) | 22.5                 | 14000                    | 2200           | 2050        | 60  | 4100            |
| F35WW/U/3/WM   | <b>88111871</b> | 12200         | T12        | 35    | Medium BiPin (G13) | 22.5                 | 14000                    | 2300           | 2100        | 52  | 3000            |
| <b>MOD-U-LINE - WATT-MISER® - 6 in. Spacing</b>                          |                 |               |            |       |                    |                      |                          |                |             |     |                 |
| F35CW/U/6/WM   | <b>88111790</b> | 12203         | T12        | 35    | Medium BiPin (G13) | 22.5                 | 14000                    | 2300           | 2100        | 60  | 4100            |
| F35WW/U/6/WM   | <b>88111874</b> | 12207         | T12        | 35    | Medium BiPin (G13) | 22.5                 | 14000                    | 2350           | 2150        | 52  | 3000            |
| <b>MOD-U-LINE - WATT-MISER® - ECOLUX® 6 in. Spacing</b>                  |                 |               |            |       |                    |                      |                          |                |             |     |                 |
| F35CW/U/6/WM/ECO   | <b>22052809</b> | 15622         | T12        | 34    | Medium BiPin (G13) | 22.5                 | 18000                    | 2600           | 2235        | 62  | 4200            |

## T12 Instant Start

General Electric Co.

| Mfg. No.                                       | Advanced ID     | GE Order Code | Bulb Shape | Watts | Base Type        | Nominal Length (in.) | Average Rated Life (Hrs) | Lumens Initial | Lumens Mean | CRI | Color Temp. (K) |
|--|-----------------|---------------|------------|-------|------------------|----------------------|--------------------------|----------------|-------------|-----|-----------------|
| <b>Instant Start</b>                           |                 |               |            |       |                  |                      |                          |                |             |     |                 |
| F24T12/CW                                      | <b>88111707</b> | 10691         | T12        | 20    | Single Pin (Fa8) | 24                   | 7500                     | 1050           | 900         | 60  | 4100            |
| F36T12/CW                                      | <b>88111763</b> | 10709         | T12        | 30    | Single Pin (Fa8) | 36                   | 7500                     | 2000           | 1800        | 60  | 4100            |
| F42T12/CW                                      | <b>88111879</b> | 10735         | T12        | 35    | Single Pin (Fa8) | 42                   | 7500                     | 2400           | 2210        | 60  | 4100            |
| F48T12/SP35                                    | <b>88111913</b> | 15262         | T12        | 40    | Single Pin (Fa8) | 48                   | 9000                     | 3000           | 2820        | 73  | 3500            |
| F48T12/CW                                      | <b>88111895</b> | 10748         | T12        | 40    | Single Pin (Fa8) | 48                   | 9000                     | 2875           | 2650        | 60  | 4100            |
| F48T12/CW/UPC6PK                               | <b>92042230</b> | 20461         | T12        | 40    | Single Pin (Fa8) | 48                   | 9000                     | 2875           | 2650        | 60  | 4100            |
| <b>Instant Start WATT-MISER®</b>               |                 |               |            |       |                  |                      |                          |                |             |     |                 |
| F48T12/SP35/WM24PK                             | <b>88111916</b> | 14319         | T12        | 30    | Single Pin (Fa8) | 48                   | 9000                     | 2575           | 2420        | 73  | 3500            |
| F48T12/CW/WM                                   | <b>88111900</b> | 44967         | T12        | 30    | Single Pin (Fa8) | 48                   | 9000                     | 2475           | 2400        | 60  | 2210            |
| <b>8 ft. Instant Start - Standard</b>          |                 |               |            |       |                  |                      |                          |                |             |     |                 |
| F96T12/SP3015PK                                | <b>88112052</b> | 15357         | T12        | 75    | Single Pin (Fa8) | 96                   | 12000                    | 6500           | 6110        | 70  | 3000            |
| F96T12/SP3515PK                                | <b>88112056</b> | 14067         | T12        | 75    | Single Pin (Fa8) | 96                   | 12000                    | 6500           | 6110        | 73  | 3500            |
| F96T12/SP4115PK                                | <b>88112060</b> | 15358         | T12        | 75    | Single Pin (Fa8) | 96                   | 12000                    | 6500           | 6110        | 72  | 4100            |
| F96T12/SPX50                                   | <b>93163073</b> | 23466         | T12        | 75    | Single Pin (Fa8) | 96                   | 12000                    | 6250           | 5880        | 80  | 5000            |
| F96T12/C5015PK                                 | <b>88112019</b> | 13752         | T12        | 75    | Single Pin (Fa8) | 96                   | 12000                    | 4600           | 4050        | 90  | 5000            |
| F96T12/SP65                                    | <b>94026394</b> | 12127         | T12        | 75    | Single Pin (Fa8) | 96                   | 12000                    | 6125           | 5760        | 75  | 6500            |
| F96T12/DX                                      | <b>95072434</b> | 14652         | T12        | 75    | Single Pin (Fa8) | 96                   | 12000                    | 4500           | 4050        | 84  | 6500            |
| <b>8 ft. Instant Start WATT-MISER®</b>         |                 |               |            |       |                  |                      |                          |                |             |     |                 |
| F96T12SP35/WM15PK                              | <b>88112059</b> | 13849         | T12        | 60    | Single Pin (Fa8) | 96                   | 12000                    | 5700           | 5360        | 73  | 3500            |
| F96T12/SPX35/WM15PK                            | <b>88112071</b> | 14630         | T12        | 60    | Single Pin (Fa8) | 96                   | 12000                    | 6000           | 5640        | 82  | 3500            |
| F96T12/SP41/WM15PK                             | <b>88112063</b> | 13758         | T12        | 60    | Single Pin (Fa8) | 96                   | 12000                    | 5700           | 5360        | 72  | 4100            |
| F96T12/SP65/WM                                 | <b>94030081</b> | 12128         | T12        | 60    | Single Pin (Fa8) | 96                   | 12000                    | 5100           | 4800        | 75  | 6500            |
| F96T12/CW/WM15PK                               | <b>88112482</b> | 13729         | T12        | 60    | Single Pin (Fa8) | 96                   | 12000                    | 5500           | 5060        | 60  | 4100            |
| F96T12/LW/WM15PK                               | <b>88112483</b> | 13742         | T12        | 60    | Single Pin (Fa8) | 96                   | 12000                    | 5800           | 5340        | 49  | 4200            |
| F96T12/WW/WM15PK                               | <b>88112485</b> | 13736         | T12        | 60    | Single Pin (Fa8) | 96                   | 12000                    | 5700           | 5240        | 52  | 3000            |
| <b>8 ft. Instant Start WATT-MISER® ECOLUX®</b> |                 |               |            |       |                  |                      |                          |                |             |     |                 |
| F96T12SP35WM/ECO                               | <b>97221656</b> | 27233         | T12        | 60    | Single Pin (Fa8) | 96                   | 12000                    | 5700           | 5360        | 73  | 3500            |
| F96T12SP41WM/ECO                               | <b>97221657</b> | 27235         | T12        | 60    | Single Pin (Fa8) | 96                   | 12000                    | 5700           | 5360        | 72  | 4100            |
| F96T12SP65WM/ECO                               | <b>98404180</b> | 40373         | T12        | 60    | Single Pin (Fa8) | 96                   | 12000                    | 5100           | 4800        | 75  | 6500            |
| F96T12/CW/WM/ECO                               | <b>97218645</b> | 27186         | T12        | 60    | Single Pin (Fa8) | 96                   | 12000                    | 5500           | 5060        | 60  | 4100            |
| <b>5 ft. Instant Start</b>                     |                 |               |            |       |                  |                      |                          |                |             |     |                 |
| F60T12/CW15PK                                  | <b>93145757</b> | 23073         | T12        | 50    | Single Pin (Fa8) | 60                   | 12000                    | 3600           | 3310        | 60  | 4100            |
| F60T12/D15PK                                   | <b>93145759</b> | 23076         | T12        | 50    | Single Pin (Fa8) | 60                   | 12000                    | 3000           | 2760        | 75  | 6500            |
| <b>64 in. Instant Start</b>                    |                 |               |            |       |                  |                      |                          |                |             |     |                 |
| F64T12/CW15PK                                  | <b>93145751</b> | 23082         | T12        | 50    | Single Pin (Fa8) | 64                   | 10000                    | 3850           | 3540        | 60  | 4100            |
| F64T12/D15PK                                   | <b>93145753</b> | 23085         | T12        | 50    | Single Pin (Fa8) | 64                   | 10000                    | 3300           | 3040        | 75  | 6500            |
| <b>6 ft. Instant Start</b>                     |                 |               |            |       |                  |                      |                          |                |             |     |                 |
| F72T12/CW15PK                                  | <b>88111968</b> | 13743         | T12        | 55    | Single Pin (Fa8) | 72                   | 12000                    | 4500           | 4140        | 60  | 4100            |
| F72T12/D15PK                                   | <b>88111973</b> | 13748         | T12        | 55    | Single Pin (Fa8) | 72                   | 12000                    | 3800           | 3500        | 75  | 6500            |

## Other Diameters

General Electric Co.

| Mfg. No.  | Advanced ID     | GE Order Code | Bulb Shape | Watts | Base Type        | Nominal Length (in.) | Average Rated Life (Hrs) | Lumens Initial | Lumens Mean | CRI | Color Temp. (K) |
|---|-----------------|---------------|------------|-------|------------------|----------------------|--------------------------|----------------|-------------|-----|-----------------|
| <b>T6 Instant Start</b>                                   |                 |               |            |       |                  |                      |                          |                |             |     |                 |
| F42T6/CW  | <b>88111883</b> | 10720         | T6         | 25    | Single Pin (Fa8) | 42                   | 7500                     | 1750           | 1580        | 60  | 4100            |
| <b>T17 POWER GROOVE® Recessed Double Contact (1500mA)</b> |                 |               |            |       |                  |                      |                          |                |             |     |                 |
| F96PG17/CW/WM   | <b>88112012</b> | 42666         | PG17       | 185   | R17d             | 96                   | 12000                    | 12700          | 9900        | 60  | 4100            |
| F96PG17/CW  | <b>88112011</b> | 11009         | PG17       | 215   | R17d             | 96                   | 10000                    | 14000          | 10915       | 60  | 4100            |
| F96PG17/D   | <b>88112014</b> | 11018         | PG17       | 215   | R17d             | 96                   | 10000                    | 12100          | 9440        | 74  | 6500            |
| <b>T9 CIRCLINE Lamps</b>                                  |                 |               |            |       |                  |                      |                          |                |             |     |                 |
| FC6T9/CW  | <b>88112106</b> | 42732         | T9         | 20    | 4 Pin (G10q)     | 6.5                  | 12000                    | 800            | 560         | 60  | 4100            |
| FC8T9/CW  | <b>88112108</b> | 33774         | T9         | 22    | 4 Pin (G10q)     | 8.25                 | 12000                    | 1100           | 825         | 60  | 4100            |
| FC8T9/D   | <b>88112110</b> | 11026         | T9         | 22    | 4 Pin (G10q)     | 8.25                 | 12000                    | 925            | 690         | 75  | 6500            |
| FC8T9/KB  | <b>93196653</b> | 11084         | T9         | 22    | 4 Pin (G10q)     | 8.25                 | 12000                    | 1400           | 1120        | 82  | 3000            |
| FC12T9/CW   | <b>88112097</b> | 33890         | T9         | 32    | 4 Pin (G10q)     | 12                   | 12000                    | 1950           | 1460        | 60  | 4100            |
| FC12T9/D  | <b>88112099</b> | 11039         | T9         | 32    | 4 Pin (G10q)     | 12                   | 12000                    | 1675           | 1260        | 75  | 6500            |
| FC12T9/KB   | <b>93196654</b> | 11085         | T9         | 32    | 4 Pin (G10q)     | 12                   | 12000                    | 2400           | 1920        | 82  | 3000            |
| FC16T9/CW   | <b>88112102</b> | 33893         | T9         | 40    | 4 Pin (G10q)     | 16                   | 12000                    | 2700           | 2030        | 60  | 4100            |

## Cold Temperature

General Electric Co.

| Mfg. No.   | Advanced ID     | GE Order Code | Bulb Shape | Watts | Base Type | Nominal Length (in.) | Average Rated Life (Hrs) | Lumens Initial | Lumens Mean | CRI | Color Temp. (K) |
|--|-----------------|---------------|------------|-------|-----------|----------------------|--------------------------|----------------|-------------|-----|-----------------|
| <b>High Output (800mA) Recessed Double Contact</b>           |                 |               |            |       |           |                      |                          |                |             |     |                 |
| F96T12/CW/HO/CT  | <b>94025375</b> | 11918         | T12        | 110   | R17d      | 96                   | 12000                    | 8900           | 7740        | 60  | 4100            |
| F96T12/D/HO/CT   | <b>94025374</b> | 11919         | T12        | 110   | R17d      | 96                   | 12000                    | 7600           | 6610        | 75  | 6500            |
| <b>T10 Very High Output (1500mA) Recessed Double Contact</b> |                 |               |            |       |           |                      |                          |                |             |     |                 |
| F48T10/CW  | <b>88111890</b> | 10742         | T10        | 110   | R17d      | 48                   | 9000                     | 6200           | -           | 60  | 4100            |
| F60T10/CW  | <b>88111937</b> | 39157         | T10        | 135   | R17d      | 60                   | 6000                     | 7000           | -           | 60  | 4100            |
| F72T10/CW15PK  | <b>88111962</b> | 13776         | T10        | 160   | R17d      | 72                   | 9000                     | 9700           | -           | 60  | 4100            |
| F72T10J/CW   | <b>88111964</b> | 10858         | T10        | 160   | R17d      | 72                   | 9000                     | 9600           | -           | 60  | 4100            |



## CovRguard®

General Electric Co.

| Mfg. No.  | Advanced ID     | GE Order Code | Bulb Shape | Watts | Base Type          | Nominal Length (in.) | Average Rated Life (Hrs) | Lumens Initial | Lumens Mean | CRI | Color Temp. (K) |
|---|-----------------|---------------|------------|-------|--------------------|----------------------|--------------------------|----------------|-------------|-----|-----------------|
| <b>T8 ECOLUX® W/ STARCOAT®</b>                                    |                 |               |            |       |                    |                      |                          |                |             |     |                 |
| F32T8SP30ECO/CVG  | <b>99422149</b> | 40803         | T8         | 32    | Medium BiPin (G13) | 48                   | 20000                    | 2715           | 2580        | 78  | 3000            |
| F32T8SPX30ECOCVG  | <b>88321036</b> | 41125         | T8         | 32    | Medium BiPin (G13) | 48                   | 20000                    | 2860           | 2710        | 86  | 3000            |
| F32T8SP35ECO/CVG  | <b>99422150</b> | 40804         | T8         | 32    | Medium BiPin (G13) | 48                   | 20000                    | 2715           | 2580        | 78  | 3500            |
| F32T8SPX35ECOCVG  | <b>99426374</b> | 41126         | T8         | 32    | Medium BiPin (G13) | 48                   | 20000                    | 2860           | 2710        | 86  | 3500            |
| F32T8SP41ECO/CVG  | <b>99422155</b> | 40812         | T8         | 32    | Medium BiPin (G13) | 48                   | 20000                    | 2715           | 2580        | 78  | 4100            |
| F32T8SPX41ECOCVG  | <b>99426376</b> | 41127         | T8         | 32    | Medium BiPin (G13) | 48                   | 20000                    | 2860           | 2710        | 86  | 4100            |
| F32T8/SP50ECO/CVG   | <b>22123355</b> | 18366         | T8         | 32    | Medium BiPin (G13) | 48                   | 20000                    | 2665           | 2530        | 78  | 5000            |
| F32T8/SPX50/ECO/CVG   | <b>22051588</b> | 15971         | T8         | 32    | Medium BiPin (G13) | 48                   | 20000                    | 2715           | 2580        | 86  | 5000            |
| <b>T8 ECOLUX® XL Extra-Life W/ STARCOAT®</b>                      |                 |               |            |       |                    |                      |                          |                |             |     |                 |
| F32T8/XL/SPX35/ECO/CVG  | <b>22051590</b> | 15973         | T8         | 32    | Medium BiPin (G13) | 48                   | 20000                    | 2860           | 2715        | 86  | 3500            |
| <b>T8 ECOLUX® WATT-MISER® W/ STARCOAT®</b>                        |                 |               |            |       |                    |                      |                          |                |             |     |                 |
| F32T8/SP30/IS/WM/ECO/CVG  | <b>22102723</b> | 40286         | T8         | 32    | Medium BiPin (G13) | 48                   | 20000                    | 2790           | 2620        | 84  | 3000            |
| F32T8/SP35/IS/WM/ECO/CVG  | <b>22102725</b> | 40299         | T8         | 32    | Medium BiPin (G13) | 48                   | 20000                    | 2765           | 2595        | 83  | 3500            |
| F32T8/SP41/IS/WM/ECO/CVG  | <b>22102727</b> | 40309         | T8         | 32    | Medium BiPin (G13) | 48                   | 20000                    | 2740           | 2570        | 81  | 4100            |
| <b>T8 MOD-U-LINE® - 6" Spacing</b>                                |                 |               |            |       |                    |                      |                          |                |             |     |                 |
| <b>8 ft. T8 w/ STARCOAT® Instant Start</b>                        |                 |               |            |       |                    |                      |                          |                |             |     |                 |
| F96T8/SP30/CVG  | <b>98307691</b> | 40094         | T8         | 59    | Single Pin (Fa8)   | 96                   | 15000                    | 5620           | 5330        | 75  | 3000            |
| F96T8/SP35/CVG  | <b>98307695</b> | 40095         | T8         | 59    | Single Pin (Fa8)   | 96                   | 15000                    | 5620           | 5330        | 75  | 3500            |
| F96T8/SP41/CVG  | <b>98307696</b> | 40096         | T8         | 59    | Single Pin (Fa8)   | 96                   | 15000                    | 5620           | 5330        | 75  | 4100            |
| <b>8 ft. T8 w/ STARCOAT® High Output, Recessed Double Contact</b> |                 |               |            |       |                    |                      |                          |                |             |     |                 |
| F96T8/SP35HO/CVG  | <b>98307704</b> | 40107         | T8         | 86    | R17d               | 96                   | 18000                    | 7760           | 6980        | 75  | 3500            |
| F96T8/SP41HO/CVG  | <b>98307705</b> | 40108         | T8         | 86    | R17d               | 96                   | 18000                    | 7760           | 6980        | 75  | 4100            |
| <b>8 ft. T8 Preheat</b>   |                 |               |            |       |                    |                      |                          |                |             |     |                 |
| F15T8/CW/CVG  | <b>88321035</b> | 41110         | T8         | 15    | Medium BiPin (G13) | 18                   | 7500                     | 800            | 700         | 60  | 4100            |
| <b>T12 Rapid Start</b>  |                 |               |            |       |                    |                      |                          |                |             |     |                 |
| F40CW/ECO/CVG   | <b>25040946</b> | 80495         | T12        | 40    | Medium BiPin (G13) | 48                   | 20000                    | 2950           | 2600        | 60  | 4100            |
| <b>T12 WATT-MISER® Rapid Start</b>                                |                 |               |            |       |                    |                      |                          |                |             |     |                 |
| F34CW/RS/WM/ECO/CVG   | <b>99422151</b> | 40805         | T12        | 34    | Medium BiPin (G13) | 48                   | 20000                    | 2570           | 2210        | 60  | 4100            |
| <b>8 ft. T12 WATT-MISER® Rapid Start</b>                          |                 |               |            |       |                    |                      |                          |                |             |     |                 |
| F96T12/CW/WM/CVG  | <b>98295903</b> | 40115         | T12        | 60    | Single Pin (Fa8)   | 96                   | 12000                    | 5330           | 4910        | 60  | 4100            |
| <b>8 ft. T12 ECOLUX® WATT-MISER® Rapid Start</b>                  |                 |               |            |       |                    |                      |                          |                |             |     |                 |
| F96T12CWWMECOCVG  | <b>99422153</b> | 40807         | T12        | 60    | Single Pin (Fa8)   | 96                   | 12000                    | 5330           | 4910        | 60  | 4100            |
| <b>T12 Instant Start</b>  |                 |               |            |       |                    |                      |                          |                |             |     |                 |
| F96T12/CW/CVG   | <b>98303494</b> | 40117         | T12        | 75    | Single Pin (Fa8)   | 96                   | 12000                    | 5960           | 5480        | 60  | 4100            |
| <b>T12 High Output Recessed Double Contact</b>                    |                 |               |            |       |                    |                      |                          |                |             |     |                 |
| F48T12/CW/HO/CVG  | <b>98295904</b> | 40129         | T12        | 60    | R17d               | 48                   | 12000                    | 3930           | 3410        | 60  | 4100            |
| F60T12/CW/HO/CVG  | <b>99426336</b> | 41148         | T12        | 75    | R17d               | 60                   | 12000                    | 4990           | 4340        | 62  | 4150            |
| F96T12CW/HO/CVG   | <b>98415590</b> | 40808         | T12        | 110   | R17d               | 96                   | 12000                    | 8630           | 7500        | 60  | 4100            |
| <b>T12 WATT-MISER®</b>  |                 |               |            |       |                    |                      |                          |                |             |     |                 |
| F96T12CW/HO/WM/CVG  | <b>98295906</b> | 40116         | T12        | 95    | R17d               | 96                   | 12000                    | 7760           | 6750        | 60  | 4100            |

## F25T12 For T8 Ballasts

General Electric Co.

| Mfg. No.        | Advanced ID     | GE Order Code | Bulb Shape | Watts | Base Type          | Nominal Length (in.) | Average Rated Life (Hrs) | Lumens Initial | Lumens Mean | CRI | Color Temp. (K) |
|-----------------|-----------------|---------------|------------|-------|--------------------|----------------------|--------------------------|----------------|-------------|-----|-----------------|
| F25T12/SP30/ECO | <b>25037415</b> | 80066         | T12        | 25    | Medium BiPin (G13) | 48                   | 15000                    | 2300           | 2140        | 70  | 3000            |
| F25T12/SP35/ECO | <b>25040943</b> | 80067         | T12        | 25    | Medium BiPin (G13) | 48                   | 15000                    | 2300           | 2140        | 70  | 3500            |
| F25T12/SP41/ECO | <b>25040977</b> | 80076         | T12        | 25    | Medium BiPin (G13) | 48                   | 15000                    | 2300           | 2140        | 70  | 4100            |



### T12 Preheat

General Electric Co.

| Mfg. No.              | Advanced ID              | GE Order Code | Bulb Shape | Watts | Base Type          | Nominal Length (in.) | Average Rated Life (Hrs) | Lumens Initial | Lumens Mean | CRI | Color Temp. (K) |
|-----------------------|--------------------------|---------------|------------|-------|--------------------|----------------------|--------------------------|----------------|-------------|-----|-----------------|
| <b>15 in. Preheat</b> |                          |               |            |       |                    |                      |                          |                |             |     |                 |
| F14T12/CW             | <a href="#">88111642</a> | 10116         | T12        | 14    | Medium BiPin (G13) | 15                   | 9000                     | 650            | 550         | 60  | 4100            |
| <b>18 in. Preheat</b> |                          |               |            |       |                    |                      |                          |                |             |     |                 |
| F15T12/CW/6PK         | <a href="#">88111650</a> | 10183         | T12        | 15    | Medium BiPin (G13) | 18                   | 9000                     | 760            | 685         | 60  | 4100            |
| <b>24 in. Preheat</b> |                          |               |            |       |                    |                      |                          |                |             |     |                 |
| F20T12/SP35/ECO       | <a href="#">25040227</a> | 80048         | T12        | 20    | Medium BiPin (G13) | 24                   | 9000                     | 1275           | 1200        | 73  | 3500            |
| F20T12/CW/ECO         | <a href="#">25041207</a> | 80045         | T12        | 20    | Medium BiPin (G13) | 24                   | 9000                     | 1200           | 1150        | 60  | 4100            |
| F20T12/D/ECO          | <a href="#">25040218</a> | 80047         | T12        | 20    | Medium BiPin (G13) | 24                   | 9000                     | 1025           | 945         | 75  | 6500            |
| F20T12/WW/ECO         | <a href="#">25041208</a> | 80050         | T12        | 20    | Medium BiPin (G13) | 24                   | 9000                     | 1250           | 1150        | 52  | 3000            |
| F20T12/WW-UPC         | <a href="#">92042235</a> | 25577         | T12        | 20    | Medium BiPin (G13) | 24                   | 9000                     | 1250           | 1150        | 52  | 3000            |

### T12 Rapid Start

General Electric Co.

| Mfg. No.  | Advanced ID              | GE Order Code | Bulb Shape | Watts | Base Type          | Nominal Length (in.) | Average Rated Life (Hrs) | Lumens Initial | Lumens Mean | CRI | Color Temp. (K) |
|---|--------------------------|---------------|------------|-------|--------------------|----------------------|--------------------------|----------------|-------------|-----|-----------------|
| <b>3 ft. Rapid Start</b>                        |                          |               |            |       |                    |                      |                          |                |             |     |                 |
| F25T12/CWRSWMECO                                | <a href="#">25040206</a> | 80065         | T12        | 25    | Medium BiPin (G13) | 36                   | 18000                    | 1925           | 1640        | 60  | 4100            |
| F30T12/SP35RSECO                                | <a href="#">25040981</a> | 80087         | T12        | 30    | Medium BiPin (G13) | 36                   | 18000                    | 2350           | 2120        | 73  | 3500            |
| F30T12/SP41RSECO                                | <a href="#">25040947</a> | 80088         | T12        | 30    | Medium BiPin (G13) | 36                   | 18000                    | 2350           | 2120        | 72  | 4100            |
| F30T12/CW/RS/ECO                                | <a href="#">25040228</a> | 80084         | T12        | 30    | Medium BiPin (G13) | 36                   | 18000                    | 2200           | 1910        | 60  | 4100            |
| F30T12/WW/RS/ECO                                | <a href="#">25040147</a> | 80091         | T12        | 30    | Medium BiPin (G13) | 36                   | 18000                    | 2275           | 1980        | 52  | 3000            |
| <b>4 ft. Rapid Start - 32W WATT-MISER® PLUS</b> |                          |               |            |       |                    |                      |                          |                |             |     |                 |
| F40SP35/RS/WMP30PK                              | <a href="#">88111827</a> | 14225         | T12        | 32    | Medium BiPin (G13) | 48                   | 20000                    | 2650           | 2400        | 80  | 3500            |
| F40CW/RS/WMP30PK                                | <a href="#">88111784</a> | 14221         | T12        | 32    | Medium BiPin (G13) | 48                   | 20000                    | 2500           | 2200        | 60  | 4100            |
| <b>4 ft. Rapid Start - 34W WATT-MISER®</b>      |                          |               |            |       |                    |                      |                          |                |             |     |                 |
| F34/C50/RS/WMECO                                | <a href="#">25040965</a> | 80092         | T12        | 34    | Medium BiPin (G13) | 48                   | 20000                    | 2000           | 1720        | 90  | 5000            |
| F34CW/RS/WM/ECO                                 | <a href="#">96096728</a> | 23010         | T12        | 34    | Medium BiPin (G13) | 48                   | 20000                    | 2650           | 2280        | 60  | 4100            |
| F34CW/RS/WM/UPC                                 | <a href="#">97119877</a> | 25391         | T12        | 34    | Medium BiPin (G13) | 48                   | 20000                    | 2650           | 2280        | 60  | 4100            |
| F34DX/RS/WM/ECO                                 | <a href="#">25040978</a> | 80093         | T12        | 34    | Medium BiPin (G13) | 48                   | 20000                    | 1950           | 1620        | 84  | 6500            |
| F34LW/RS/WM/ECO                                 | <a href="#">25040145</a> | 80094         | T12        | 34    | Medium BiPin (G13) | 48                   | 20000                    | 2825           | 2430        | 49  | 4200            |
| F34SP30/RS/WM/ECO                               | <a href="#">97211950</a> | 23163         | T12        | 34    | Medium BiPin (G13) | 48                   | 20000                    | 2750           | 2475        | 70  | 3000            |
| F34SPX30/RS/WM/ECO                              | <a href="#">97211947</a> | 23157         | T12        | 34    | Medium BiPin (G13) | 48                   | 20000                    | 2900           | 2610        | 82  | 3000            |
| F34SP35/RS/WM/ECO                               | <a href="#">97202439</a> | 23165         | T12        | 34    | Medium BiPin (G13) | 48                   | 20000                    | 2750           | 2475        | 73  | 3500            |
| F34SPX35/RS/WM/ECO                              | <a href="#">97211948</a> | 23158         | T12        | 34    | Medium BiPin (G13) | 48                   | 20000                    | 2900           | 2610        | 82  | 3500            |
| F34SP41/RS/WM/ECO                               | <a href="#">97120922</a> | 23166         | T12        | 34    | Medium BiPin (G13) | 48                   | 20000                    | 2750           | 2475        | 72  | 4100            |
| F34SPX41/RS/WM/ECO                              | <a href="#">97211949</a> | 23159         | T12        | 34    | Medium BiPin (G13) | 48                   | 20000                    | 2900           | 2610        | 80  | 4100            |
| F34SPX50/RSWMECO                                | <a href="#">25040199</a> | 80095         | T12        | 34    | Medium BiPin (G13) | 48                   | 20000                    | 2700           | 2430        | 80  | 5000            |
| F34SP65/RS/WM/EC                                | <a href="#">99456632</a> | 41563         | T12        | 34    | Medium BiPin (G13) | 48                   | 20000                    | 2650           | 2430        | 75  | 6500            |
| F34SP65/RS/WM/ECO                               | <a href="#">99456632</a> | 41563         | T12        | 34    | Medium BiPin (G13) | 48                   | 20000                    | 2650           | 2430        | 75  | 6500            |
| F34WW/RS/WM/ECO                                 | <a href="#">99567238</a> | 45065         | T12        | 34    | Medium BiPin (G13) | 48                   | 20000                    | 2700           | 2320        | 52  | 3000            |
| F40CW/RS/WM/C10PK                               | <a href="#">99503551</a> | 23485         | T12        | 34    | Medium BiPin (G13) | 48                   | 20000                    | 2650           | 2280        | 60  | 4100            |
| <b>4 ft. Rapid Start - 40W</b>                  |                          |               |            |       |                    |                      |                          |                |             |     |                 |
| F40SP30/ECO                                     | <a href="#">25040219</a> | 80099         | T12        | 40    | Medium BiPin (G13) | 48                   | 20000                    | 3250           | 2950        | 70  | 3000            |
| F40SPX30/ECO                                    | <a href="#">25040216</a> | 80189         | T12        | 40    | Medium BiPin (G13) | 48                   | 20000                    | 3400           | 3090        | 82  | 3000            |
| F40SP35/ECO                                     | <a href="#">25040215</a> | 80186         | T12        | 40    | Medium BiPin (G13) | 48                   | 20000                    | 3200           | 2910        | 73  | 3500            |
| F40SPX35/ECO                                    | <a href="#">25040185</a> | 80190         | T12        | 40    | Medium BiPin (G13) | 48                   | 20000                    | 3400           | 3090        | 82  | 3500            |
| F40SP41/ECO                                     | <a href="#">25040160</a> | 80187         | T12        | 40    | Medium BiPin (G13) | 48                   | 20000                    | 3200           | 2910        | 72  | 4100            |
| F40SPX41/ECO                                    | <a href="#">25040191</a> | 80191         | T12        | 40    | Medium BiPin (G13) | 48                   | 20000                    | 3350           | 3050        | 80  | 4100            |
| F40SPX50/ECO                                    | <a href="#">25040161</a> | 80199         | T12        | 40    | Medium BiPin (G13) | 48                   | 20000                    | 3200           | 2860        | 80  | 5000            |
| F40C50/ECO                                      | <a href="#">25040205</a> | 80096         | T12        | 40    | Medium BiPin (G13) | 48                   | 20000                    | 2250           | 1870        | 90  | 5000            |
| F40SP65/ECO                                     | <a href="#">25040961</a> | 80188         | T12        | 40    | Medium BiPin (G13) | 48                   | 20000                    | 3050           | 2775        | 75  | 6500            |
| F40C7530PK                                      | <a href="#">88111771</a> | 13795         | T12        | 40    | Medium BiPin (G13) | 48                   | 20000                    | 1950           | 1680        | 92  | 7500            |
| F40DX/ECO                                       | <a href="#">25040163</a> | 80097         | T12        | 40    | Medium BiPin (G13) | 48                   | 20000                    | 2250           | 1910        | 84  | 6500            |
| F40N/ECO  | <a href="#">25040984</a> | 80098         | T12        | 40    | Medium BiPin (G13) | 48                   | 20000                    | 2100           | 1740        | 90  | 3700            |

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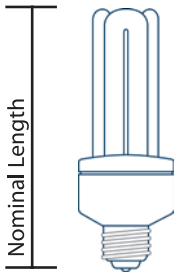
## T12 Rapid Start

General Electric Co.

| Mfg. No.  | Advanced ID | GE Order Code | Bulb Shape | Watts | Base Type          | Nominal Length (in.) | Average Rated Life (Hrs) | Lumens Initial | Lumens Mean | CRI | Color Temp. (K) |
|---|-------------|---------------|------------|-------|--------------------|----------------------|--------------------------|----------------|-------------|-----|-----------------|
| <b>4 ft. Rapid Start - 40W Extra-Life</b>   |             |               |            |       |                    |                      |                          |                |             |     |                 |
| F40XL/SP30/ECO  | 25040198    | 80217         | T12        | 40    | Medium BiPin (G13) | 48                   | 24000                    | 3300           | 2970        | 75  | 3000            |
| F40XL/SP35/ECO  | 25040174    | 80224         | T12        | 40    | Medium BiPin (G13) | 48                   | 24000                    | 3300           | 2970        | 75  | 3500            |
| F40XL/SP41/ECO  | 25040200    | 80227         | T12        | 40    | Medium BiPin (G13) | 48                   | 24000                    | 3300           | 2970        | 73  | 4100            |
| <b>18 in. High Ouput (800mA) Rapid Start Recessed Double Contact</b>                    |             |               |            |       |                    |                      |                          |                |             |     |                 |
| F18T12/CW/HO  | 88111673    | 10204         | T12        | 30    | R17d               | 18                   | 9000                     | 1000           | 750         | 60  | 4100            |
| <b>2 ft. High Ouput (800mA) Rapid Start Recessed Double Contact</b>                     |             |               |            |       |                    |                      |                          |                |             |     |                 |
| F24T12/CW/HO  | 88111708    | 10261         | T12        | 35    | R17d               | 24                   | 9000                     | 1620           | 1345        | 60  | 4100            |
| F24T12/D/HO   | 88111709    | 10275         | T12        | 35    | R17d               | 24                   | 9000                     | 1400           | 1160        | 74  | 6500            |
| <b>30 in. High Ouput (800mA) Rapid Start Recessed Double Contact</b>                    |             |               |            |       |                    |                      |                          |                |             |     |                 |
| F30T12/CW/HO  | 88315730    | 33707         | T12        | 40    | R17d               | 30                   | 9000                     | 2250           | 1950        | 60  | 4100            |
| <b>3 ft. High Ouput (800mA) Rapid Start Recessed Double Contact</b>                     |             |               |            |       |                    |                      |                          |                |             |     |                 |
| F36T12/CW/HO  | 88111764    | 10374         | T12        | 45    | R17d               | 36                   | 9000                     | 2800           | 2440        | 60  | 4100            |
| F36T12/D/HO   | 88111765    | 10380         | T12        | 45    | R17d               | 36                   | 9000                     | 2350           | 2040        | 75  | 6500            |
| <b>42 in. High Ouput (800mA) Rapid Start Recessed Double Contact</b>                    |             |               |            |       |                    |                      |                          |                |             |     |                 |
| F42T12/CW/HO  | 88111880    | 10559         | T12        | 55    | R17d               | 42                   | 9000                     | 3200           | 2790        | 60  | 4100            |
| <b>4 ft. High Ouput (800mA) Rapid Start Recessed Double Contact</b>                     |             |               |            |       |                    |                      |                          |                |             |     |                 |
| F48T12/SP30/HO  | 88111910    | 15359         | T12        | 60    | R17d               | 48                   | 12000                    | 4250           | 3830        | 70  | 3000            |
| F48T12/SP35/HO  | 88111914    | 15360         | T12        | 60    | R17d               | 48                   | 12000                    | 4250           | 3830        | 73  | 3500            |
| F48T12/SP41/HO  | 88111918    | 15361         | T12        | 60    | R17d               | 48                   | 12000                    | 4250           | 3830        | 72  | 4100            |
| F48T12/CW/HO  | 88111899    | 10773         | T12        | 60    | R17d               | 48                   | 12000                    | 3825           | 3320        | 60  | 4100            |
| F48T12/D/HO   | 88111904    | 10778         | T12        | 60    | R17d               | 48                   | 12000                    | 3400           | 2960        | 75  | 6500            |
| <b>5 ft. High Ouput (800mA) Rapid Start Recessed Double Contact</b>                     |             |               |            |       |                    |                      |                          |                |             |     |                 |
| F60T12/CWHO15PK   | 93145758    | 23075         | T12        | 75    | R17d               | 60                   | 12000                    | 5150           | 4480        | 60  | 4100            |
| F60T12/D/HO15PK   | 93145760    | 23077         | T12        | 75    | R17d               | 60                   | 12000                    | 4400           | 3830        | 75  | 6500            |
| <b>64 in. High Ouput (800mA) Rapid Start Recessed Double Contact</b>                    |             |               |            |       |                    |                      |                          |                |             |     |                 |
| F64T12CW/HO15PK   | 93145752    | 23083         | T12        | 80    | R17d               | 64                   | 12000                    | 5600           | 4870        | 60  | 4100            |
| F64T12/D/HO15PK   | 93145754    | 23087         | T12        | 80    | R17d               | 64                   | 12000                    | 4750           | 4130        | 75  | 6500            |
| <b>6 ft. High Ouput (800mA) Rapid Start Recessed Double Contact</b>                     |             |               |            |       |                    |                      |                          |                |             |     |                 |
| F72T12/CW/HO15PK  | 88111970    | 13697         | T12        | 85    | R17d               | 72                   | 12000                    | 6350           | 5520        | 60  | 4100            |
| F72T12/D/HO15PK   | 88111974    | 13699         | T12        | 85    | R17d               | 72                   | 12000                    | 5350           | 4650        | 75  | 6500            |
| <b>7 ft. High Ouput (800mA) Rapid Start Recessed Double Contact</b>                     |             |               |            |       |                    |                      |                          |                |             |     |                 |
| F84T12/CW/HO15PK  | 88111998    | 13766         | T12        | 100   | R17d               | 84                   | 12000                    | 7700           | 6700        | 60  | 4100            |
| F84T12/D/HO15PK   | 88112000    | 13767         | T12        | 100   | R17d               | 84                   | 12000                    | 6500           | 5660        | 75  | 6500            |
| <b>8 ft. High Ouput (800mA) Rapid Start Recessed Double Contact</b>                     |             |               |            |       |                    |                      |                          |                |             |     |                 |
| F96T12/SP30/HO15PK  | 88112053    | 15362         | T12        | 110   | R17d               | 96                   | 12000                    | 9200           | 8280        | 70  | 3000            |
| F96T12/SP35/HO15PK  | 88112057    | 15363         | T12        | 110   | R17d               | 96                   | 12000                    | 9200           | 8280        | 73  | 3500            |
| F96T12/SP41/HO15PK  | 88112061    | 15364         | T12        | 110   | R17d               | 96                   | 12000                    | 9200           | 8280        | 72  | 4100            |
| F96T12/SP65/HO  | 94026415    | 12130         | T12        | 110   | R17d               | 96                   | 12000                    | 8900           | 8010        | 75  | 6500            |
| F96T12/C50/HO15PK   | 88112020    | 13707         | T12        | 110   | R17d               | 96                   | 12000                    | 6750           | 5670        | 90  | 5000            |
| F96T12/DX/HO  | 97119847    | 14653         | T12        | 110   | R17d               | 96                   | 12000                    | 6600           | 5610        | 84  | 6500            |
| <b>8 ft. High Ouput (800mA) Rapid Start Recessed Double Contact WATT-MISER®</b>         |             |               |            |       |                    |                      |                          |                |             |     |                 |
| F96T12/SP35/HO15PK  | 88112058    | 14069         | T12        | 95    | R17d               | 96                   | 12000                    | 8350           | 7520        | 73  | 3500            |
| F96T12/SP41/HO15PK  | 88112062    | 13721         | T12        | 95    | R17d               | 96                   | 12000                    | 8350           | 7520        | 72  | 4100            |
| F96T12/SP65/HO/WM   | 94031999    | 12131         | T12        | 95    | R17d               | 96                   | 12000                    | 7700           | 6930        | 75  | 6500            |
| F96T12/CW/HO/WM15PK   | 88112028    | 13716         | T12        | 95    | R17d               | 96                   | 12000                    | 8000           | 6960        | 60  | 4100            |
| F96T12/LW/HO/WM   | 88112044    | 13720         | T12        | 95    | R17d               | 96                   | 12000                    | 8500           | 7900        | 49  | 4200            |
| <b>8 ft. High Ouput (800mA) Rapid Start Recessed Double Contact WATT-MISER® ECOLUX®</b> |             |               |            |       |                    |                      |                          |                |             |     |                 |
| F96T12/CW/HO/WM/ECO   | 22071616    | 16495         | T12        | 95    | R17d               | 96                   | 12000                    | 8000           | 6480        | 60  | 4100            |
| <b>Very High Ouput (1500mA) Rapid Start Recessed Double Contact</b>                     |             |               |            |       |                    |                      |                          |                |             |     |                 |
| F48T12/CW/1500  | 88111896    | 10751         | T12        | 110   | R17d               | 48                   | 10000                    | 6200           | 4030        | 60  | 4100            |
| F72T12/CW/150015PK  | 88111966    | 13760         | T12        | 165   | R17d               | 72                   | 10000                    | 9000           | 6300        | 60  | 4100            |
| F96T12/CW/1500WM15PK  | 88112025    | 13789         | T12        | 185   | R17d               | 96                   | 9000                     | 12500          | 9380        | 60  | 4100            |
| F96T12/CW/150015PK  | 88112023    | 13781         | T12        | 215   | R17d               | 96                   | 10000                    | 13500          | 10125       | 60  | 4100            |
| F96T12/D/150015PK   | 88112035    | 13783         | T12        | 215   | R17d               | 96                   | 10000                    | 11500          | 8630        | 74  | 6500            |

General Electric Co.

### Bulb Identification



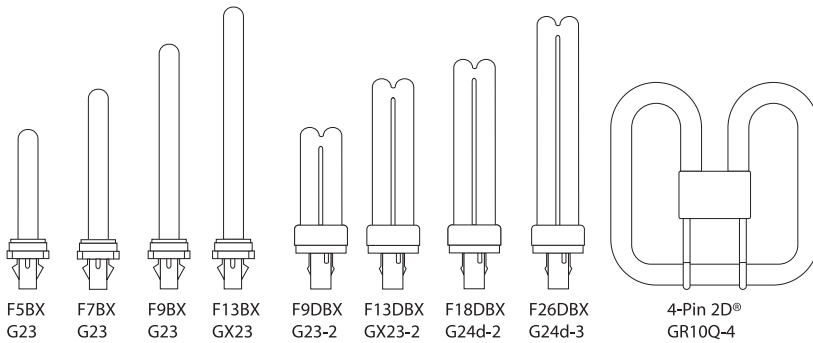
Nominal Length:

Overall length including base or pins.

Note: Lamp drawings are not drawn to scale. Be sure to check size and dimension information when identifying each lamp.

To convert inches to millimeters, multiply the dimension (in inches) by 25.4 (i.e. 1.5" x 25.4 = 38.1 mm).

### Lamp Locator



F5BX G23  
F7BX G23  
F9BX G23  
F13BX GX23

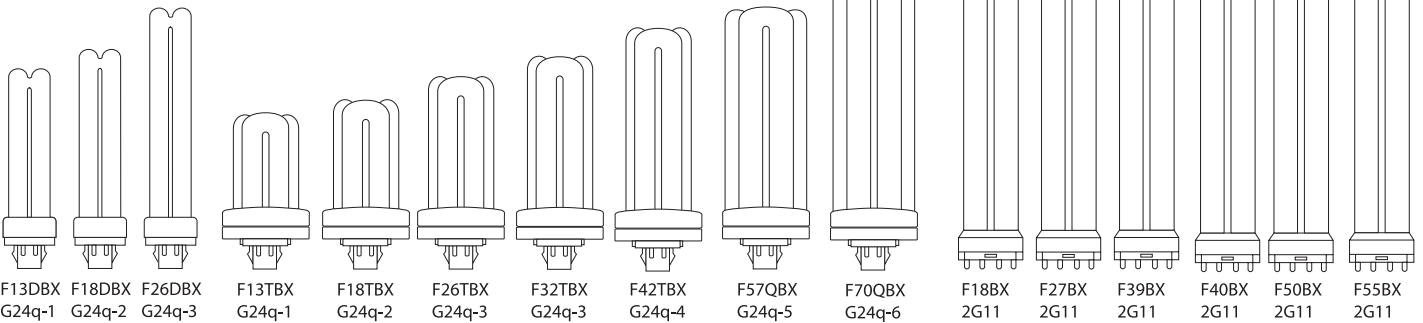
F9DBX G23-2  
F13DBX GX23-2  
F18DBX G24d-2  
F26DBX G24d-3

4-Pin 2D®  
GR10Q-4

**2-Pin Low Wattage Biax®**

**2-Pin Double Biax®**

**4-Pin 2D®**



F13DBX G24q-1  
F18DBX G24q-2  
F26DBX G24q-3

F13TBX G24q-1  
F18TBX G24q-2  
F26TBX G24q-3

F32TBX G24q-3  
F42TBX G24q-4  
F57QBX G24q-5  
F70QBX G24q-6

F18BX 2G11  
F27BX 2G11  
F39BX 2G11  
F40BX 2G11  
F50BX 2G11  
F55BX 2G11

4-Pin Double Biax®

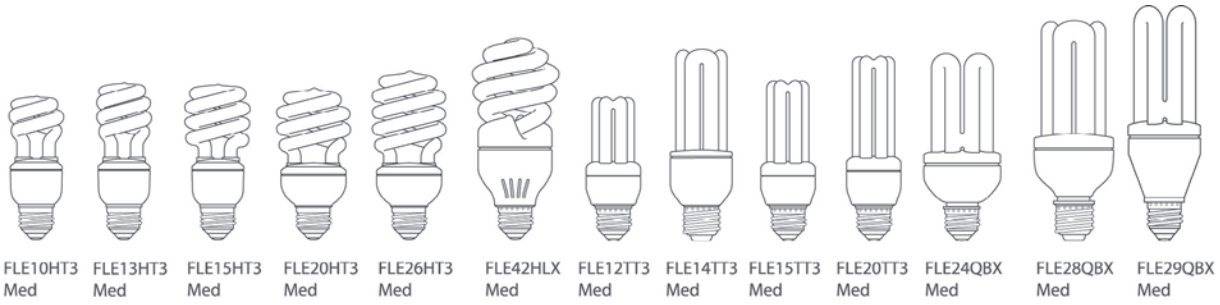
4-Pin Triple Biax®

4-Pin High Output Biax®

4-Pin High Lumen Biax®

### Plug-in Lamps

General Electric Co.



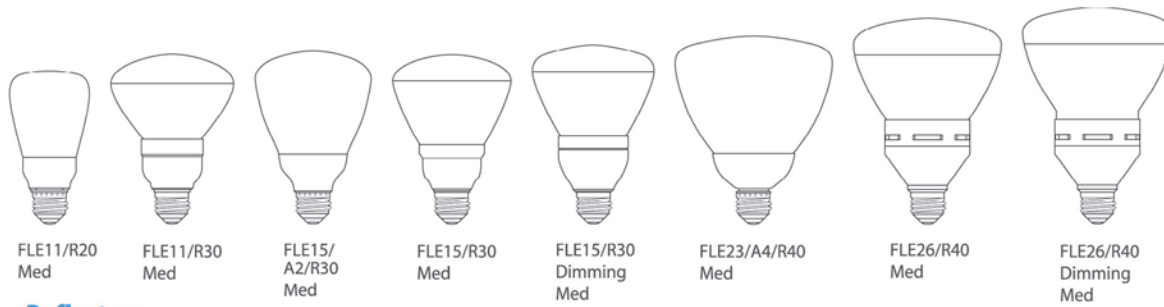
Spiral®

Biax®

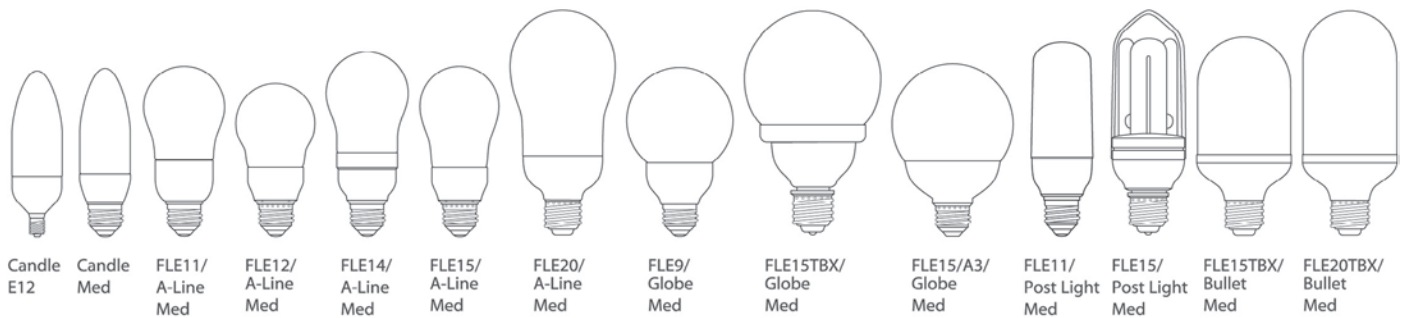


EL23 Med

Genura®

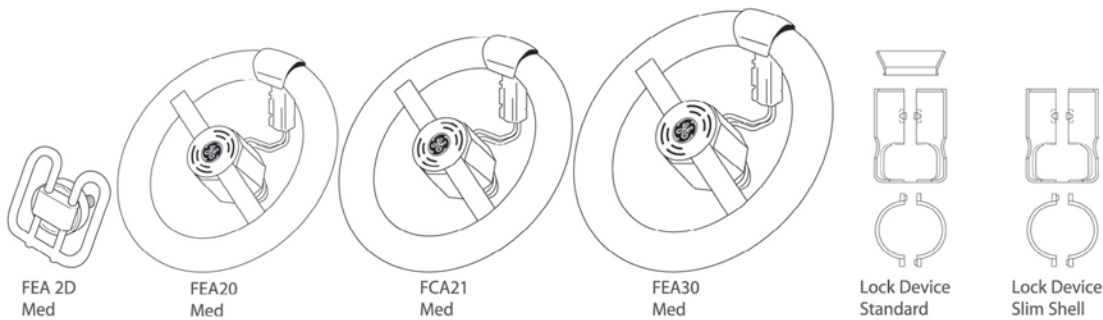


Reflectors



Decorative Shapes

Self-Ballasted Lamps



2D®-Electronic

Circlite®

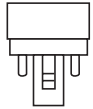
Locking Devices

Lamps and Adapters

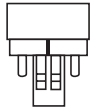
Accessories

General Electric Co.

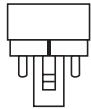
### Base Identification



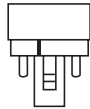
G23-2  
(DBX2P)



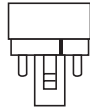
GX23-2  
(DBX2P)



G24d-1  
(DBX2P)



G24d-2  
(DBX2P)



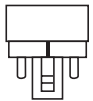
G24d-3  
(DBX2P)



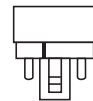
G23  
(LWBX)



GX23  
(LWBX)



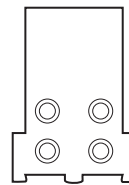
G24q-1  
(DBX4P)



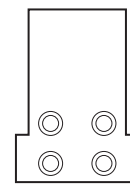
G24q-2  
(DBX4P)



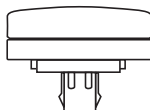
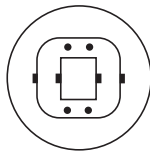
G24q-3  
(DBX4P)



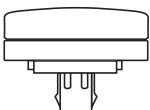
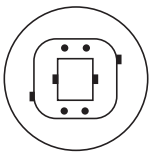
GRY10q-3  
(2D4P)



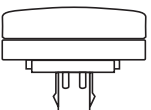
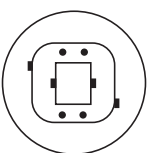
GR10q-4  
(2D4P)



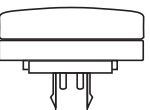
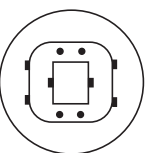
GX24q-1  
(TBX4P)



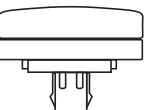
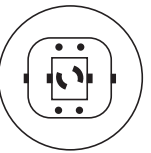
GX24q-2  
(TBX4P)



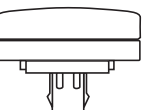
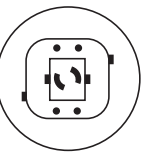
GX24q-3  
(TBX4P)



GX24q-4  
(TBX4P)



GX24q-5  
(QBX4P)



GX24q-6  
(QBX4P)



2G11-4  
(HLBX)



E26  
Med Screw



E12  
Candelabra

## Compact

General Electric Co.

| Mfg. No.  | Advanced ID | GE Order Code | Watts | Volts | Base Type | Nominal Length (in.) | Average Rated Life (Hrs) | Lumens Initial | Lumens Mean | Min. Starting Temp. (°F) | Color Temp. (K) |      |
|---|-------------|---------------|-------|-------|-----------|----------------------|--------------------------|----------------|-------------|--------------------------|-----------------|------|
| <b>Plug-In Compact Fluorescent Lamps</b>        |             |               |       |       |           |                      |                          |                |             |                          |                 |      |
| <b>4-Pin High Lumen Biax®</b>                   |             |               |       |       |           |                      |                          |                |             |                          |                 |      |
| F18BX/SPX30 10PK                                | 88111671    | 16649         | 18    | -     | 2G11      | 9                    | 10000                    | 1200           | 1080        | 82                       | -4              | 3000 |
| F18BX/SPX35 10PK                                | 88111672    | 16053         | 18    | -     | 2G11      | 9                    | 10000                    | 1200           | 1080        | 82                       | -4              | 3500 |
| F18BX/SPX41 10PK                                | 88312604    | 16940         | 18    | -     | 2G11      | 9                    | 10000                    | 1200           | 1080        | 82                       | -4              | 4100 |
| F18BX/SPX30/RS                                  | 88311229    | 17174         | 18    | -     | 2G11      | 10.5                 | 20000                    | 1250           | 1130        | 82                       | 10              | 3000 |
| F18BX/SPX35/RS                                  | 88311230    | 17175         | 18    | -     | 2G11      | 10.5                 | 20000                    | 1250           | 1130        | 82                       | 10              | 3500 |
| F18BX/SPX41/RS                                  | 88311231    | 17176         | 18    | -     | 2G11      | 10.5                 | 20000                    | 1250           | 1130        | 82                       | 10              | 4100 |
| F18BX/SPX65/RS                                  | 95045509    | 12521         | 18    | -     | 2G11      | 10.5                 | 20000                    | 1160           | 1050        | 82                       | 10              | 6500 |
| F27BX/SPX30/RS                                  | 88311234    | 16944         | 27    | -     | 2G11      | 12.8                 | 12000                    | 1800           | 1620        | 82                       | 10              | 3000 |
| F27BX/SPX35/RS                                  | 88311235    | 16948         | 27    | -     | 2G11      | 12.8                 | 12000                    | 1800           | 1620        | 82                       | 10              | 3500 |
| F27BX/SPX41/RS                                  | 88311232    | 16951         | 27    | -     | 2G11      | 12.8                 | 12000                    | 1800           | 1620        | 82                       | 10              | 4100 |
| F39BX/SPX30/RS                                  | 88111768    | 16538         | 39    | -     | 2G11      | 16.5                 | 12000                    | 2850           | 2510        | 82                       | 10              | 3000 |
| F39BX/SPX35/RS                                  | 88111769    | 15867         | 39    | -     | 2G11      | 16.5                 | 12000                    | 2850           | 2510        | 82                       | 10              | 3500 |
| F39BX/SPX41/RS                                  | 88312602    | 16952         | 39    | -     | 2G11      | 16.5                 | 12000                    | 2850           | 2510        | 82                       | 10              | 4100 |
| F40/30BX/SPX30                                  | 88311233    | 16953         | 40    | -     | 2G11      | 22.5                 | 20000                    | 3150           | 2840        | 82                       | 10              | 3000 |
| F40/30BX/SPX30-36                               | 94009368    | 20444         | 40    | -     | 2G11      | 22.5                 | 20000                    | 3150           | 2840        | 82                       | 10              | 3000 |
| F40/30BX/SPX35                                  | 88311228    | 16648         | 40    | -     | 2G11      | 22.5                 | 20000                    | 3150           | 2840        | 82                       | 10              | 3500 |
| F40/30BX/SPX35-36                               | 92100264    | 20446         | 40    | -     | 2G11      | 22.5                 | 20000                    | 3150           | 2840        | 82                       | 10              | 3500 |
| F40/30BX/SPX41                                  | 88312603    | 16954         | 40    | -     | 2G11      | 22.5                 | 20000                    | 3150           | 2840        | 82                       | 10              | 4100 |
| F40/30BX/SPX41-36                               | 94009369    | 20447         | 40    | -     | 2G11      | 22.5                 | 20000                    | 3150           | 2840        | 82                       | 10              | 4100 |
| F40/30BX/SPX50RS                                | 93163078    | 10490         | 40    | -     | 2G11      | 22.5                 | 20000                    | 2900           | 2700        | 80                       | 10              | 5000 |
| F50BX/SPX30/RS                                  | 92042198    | 20898         | 50    | -     | 2G11      | 22.5                 | 14000                    | 4000           | 3400        | 82                       | 10              | 3000 |
| F50BX/SPX35/RS                                  | 91030642    | 20899         | 50    | -     | 2G11      | 22.5                 | 14000                    | 4000           | 3400        | 82                       | 10              | 3500 |
| F50BX/SPX41/RS                                  | 92042196    | 20900         | 50    | -     | 2G11      | 22.5                 | 14000                    | 4000           | 3400        | 82                       | 10              | 4100 |
| F55BX/830                                       | 99660194    | 31951         | 55    | -     | 2G11      | 20.7                 | 10000                    | 4800           | 4080        | 82                       | 10              | 3000 |
| F55BX/835                                       | 99660195    | 31952         | 55    | -     | 2G11      | 20.7                 | 10000                    | 4800           | 4080        | 82                       | 10              | 3500 |
| F55BX/840                                       | 99660196    | 31953         | 55    | -     | 2G11      | 20.7                 | 10000                    | 4800           | 4080        | 82                       | 10              | 4100 |
| <b>4-Pin High Output Biax®</b>                  |             |               |       |       |           |                      |                          |                |             |                          |                 |      |
| F57QBX/827/A/ECO                                | 22102711    | 48861         | 57    | -     | GX24q-5   | 7.1                  | 12000                    | 4300           | 3700        | 82                       | -               | 2700 |
| F57QBX/830/A/ECO                                | 22102712    | 48862         | 57    | -     | GX24q-5   | 7.1                  | 12000                    | 4300           | 3700        | 82                       | -               | 3000 |
| F57QBX/835/A/ECO                                | 22102713    | 48863         | 57    | -     | GX24q-5   | 7.1                  | 12000                    | 4300           | 3700        | 82                       | -               | 3500 |
| F57QBX/841/A/ECO                                | 22102714    | 48864         | 57    | -     | GX24q-5   | 7.1                  | 12000                    | 4300           | 3700        | 82                       | -               | 4100 |
| F57QBX/850/A/ECO                                | 22102715    | 93404         | 57    | -     | GX24q-5   | 7.1                  | 12000                    | 4300           | 3700        | 82                       | -               | 5000 |
| F70QBX/827/A/ECO                                | 25068020    | 48865         | 70    | -     | GX24q-6   | 8.2                  | 12000                    | 5200           | 4470        | 82                       | -               | 2700 |
| F70QBX/830/A/ECO                                | 22102716    | 48866         | 70    | -     | GX24q-6   | 8.2                  | 12000                    | 5200           | 4470        | 82                       | -               | 3000 |
| F70QBX/835/A/ECO                                | 22102717    | 48867         | 70    | -     | GX24q-6   | 8.2                  | 12000                    | 5200           | 4470        | 82                       | -               | 3500 |
| F70QBX/841/A/ECO                                | 22102718    | 48868         | 70    | -     | GX24q-6   | 8.2                  | 12000                    | 5200           | 4470        | 82                       | -               | 4100 |
| F70QBX/850/A/ECO                                | 22102719    | 93406         | 70    | -     | GX24q-6   | 8.2                  | 12000                    | 5200           | 4470        | 82                       | -               | 5000 |
| <b>4-Pin 2D®</b>                                |             |               |       |       |           |                      |                          |                |             |                          |                 |      |
| F102D/827/4P                                    | 92042176    | 21301         | 10    | -     | GR10q-4   | 3.6                  | 10000                    | 650            | 545         | 82                       | -               | 2700 |
| F212D/827/4P                                    | 92042178    | 21303         | 21    | -     | GR10q-4   | 5.5                  | 10000                    | 1350           | 1135        | 82                       | -               | 2700 |
| F212D/835/4P                                    | 93145794    | 22178         | 21    | -     | GR10q-4   | 5.5                  | 10000                    | 1350           | 1135        | 82                       | -               | 3500 |
| F382D/827/4P                                    | 92042180    | 21305         | 38    | -     | GR10q-4   | 8.1                  | 10000                    | 2850           | 2395        | 82                       | -               | 2700 |
| F382D/835/4P                                    | 93145790    | 22181         | 38    | -     | GR10q-4   | 8.1                  | 10000                    | 2850           | 2395        | 82                       | -               | 3500 |
| F552D/830A/T4P/B                                | 97218793    | 36358         | 55    | -     | GRY10q-3  | 8.1                  | 10000                    | 4000           | 3400        | 82                       | -               | 3000 |
| <b>Self-Ballasted Compact Fluorescent Lamps</b> |             |               |       |       |           |                      |                          |                |             |                          |                 |      |
| <b>Spiral®</b>                                  |             |               |       |       |           |                      |                          |                |             |                          |                 |      |
| FLE10HT3/2/827                                  | 22066796    | 15829         | 10    | 120   | Med       | 4.4                  | 8000                     | 520            | 420         | 82                       | -15             | 2700 |
| FLE10HLX/2/SW/CD                                | 22044068    | 49906         | 10    | 120   | Med       | 4.4                  | 8000                     | 520            | 420         | 82                       | -15             | 2700 |
| FLE10HLX/2/SW/CD/2PK                            | 25068025    | 49907         | 10    | 120   | Med       | 4.4                  | 8000                     | 520            | 420         | 82                       | -15             | 2700 |
| FLE10HT3/2/841                                  | 22117212    | 25182         | 10    | 120   | Med       | 4.4                  | 8000                     | 520            | 420         | 82                       | -15             | 4100 |
| FLE10HT3/2/XL                                   | 25052108    | 80936         | 10    | 120   | Med       | 4.4                  | 12000                    | 550            | 440         | 82                       | -15             | 2700 |
| FLE10HT3/2/XL/CD                                | 25067964    | 47430         | 10    | 120   | Med       | 4.4                  | 12000                    | 550            | 440         | 82                       | -15             | 2700 |
| FLE10HT3/2/XL2PK                                | 25067965    | 49671         | 10    | 120   | Med       | 4.4                  | 12000                    | 550            | 440         | 82                       | -15             | 2700 |
| FLE13HT3/2/SW/CD                                | 25048241    | 16460         | 13    | 120   | Med       | 4.7                  | 8000                     | 825            | 660         | 82                       | -15             | 2700 |
| FLE13HT3/2/SW/CD/2PK                            | 25067966    | 16459         | 13    | 120   | Med       | 4.7                  | 8000                     | 825            | 660         | 82                       | -15             | 2700 |

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# Lamps, Lighting & Ballasts

## Lamps, Compact Fluorescent

### Compact

General Electric Co.

| Mfg. No.  | AdvancedID | GE Order Code | Watts | Volts | Base Type | Nominal Length (in.) | Average Rated Life (Hrs) | Lumens Initial | Lumens Mean   | Min. Starting Temp. (°F) | Color Temp. (K) |  |
|---|------------|---------------|-------|-------|-----------|----------------------|--------------------------|----------------|---------------|--------------------------|-----------------|--|
| <b>Self-Ballasted Compact Fluorescent Lamps</b> |            |               |       |       |           |                      |                          |                |               |                          |                 |  |
| <b>Spiral®</b>                                  |            |               |       |       |           |                      |                          |                |               |                          |                 |  |
| FLE13HT3/2/10PK                                 | 22124968   | 21760         | 13    | 120   | Med       | 4.7                  | 8000                     | 825            | 660           | -15                      | 2700            |  |
| FLE15HT3/2/827                                  | 22066798   | 15831         | 15    | 120   | Med       | 4.8                  | 8000                     | 950            | 765           | -15                      | 2700            |  |
| FLE15HT3/2/SW/CD                                | 22039132   | 41520         | 15    | 120   | Med       | 4.8                  | 8000                     | 950            | 765           | -15                      | 2700            |  |
| FLE15HT3/2/SW/2PK                               | 22125296   | 41525         | 15    | 120   | Med       | 4.8                  | 8000                     | 950            | 765           | -15                      | 2700            |  |
| FLE15HT3/2/6H/4PK                               | 25067968   | 16252         | 15    | 120   | Med       | 4.8                  | 6000                     | 850            | 685           | -15                      | 2700            |  |
| FLE15HT3/2/841                                  | 22117436   | 25183         | 15    | 120   | Med       | 4.8                  | 8000                     | 950            | 765           | -15                      | 4100            |  |
| FLE15HT3/2/XL                                   | 25052109   | 80937         | 15    | 120   | Med       | 4.8                  | 12000                    | 950            | 760           | -15                      | 2700            |  |
| FLE15HT3/2/XL/CD                                | 25050164   | 47435         | 15    | 120   | Med       | 4.8                  | 12000                    | 950            | 760           | -15                      | 2700            |  |
| FLE15HT3/2/XL2PK                                | 25067970   | 49680         | 15    | 120   | Med       | 4.8                  | 12000                    | 950            | 760           | -15                      | 2700            |  |
| FLE20HT3/2/827                                  | 22066799   | 15834         | 20    | 120   | Med       | 4.7                  | 8000                     | 1200           | 965           | -15                      | 2700            |  |
| FLE20HT3/2/SW/CD                                | 22083638   | 15516         | 20    | 120   | Med       | 4.7                  | 8000                     | 1200           | 965           | -15                      | 2700            |  |
| FLE20HT3/2/SW/2PK                               | 25067971   | 15518         | 20    | 120   | Med       | 4.7                  | 8000                     | 1200           | 965           | -15                      | 2700            |  |
| FLE20HT3/2/6H/4PK                               | 22121615   | 16253         | 20    | 120   | Med       | 4.7                  | 6000                     | 1150           | 925           | -15                      | 2700            |  |
| FLE20HT3/2/841                                  | 22117437   | 25186         | 20    | 120   | Med       | 4.7                  | 8000                     | 1200           | 965           | -15                      | 4100            |  |
| FLE20HT3/2/XL                                   | 25052110   | 80888         | 20    | 120   | Med       | 4.7                  | 12000                    | 1300           | 1040          | -15                      | 2700            |  |
| FLE20HT3/2/XL/CD                                | 25067973   | 47442         | 20    | 120   | Med       | 4.7                  | 12000                    | 1300           | 1040          | -15                      | 2700            |  |
| FLE20HT3/2/XL2PK                                | 25067974   | 49684         | 20    | 120   | Med       | 4.7                  | 12000                    | 1300           | 1040          | -15                      | 2700            |  |
| FLE20HT3/2/XL/D                                 | 25067975   | 47466         | 20    | 120   | Med       | 4.7                  | 12000                    | 1300           | 1040          | -15                      | 6500            |  |
| FLE23HT3/2/XL                                   | 25052111   | 80889         | 23    | 120   | Med       | 5.1                  | 12000                    | 1600           | 1280          | -15                      | 2700            |  |
| FLE23HT3/2/XL/CD                                | 25067976   | 47445         | 23    | 120   | Med       | 5.1                  | 12000                    | 1600           | 1280          | -15                      | 2700            |  |
| FLE26HT3/2/827                                  | 22066800   | 15836         | 26    | 120   | Med       | 5.2                  | 8000                     | 1700           | 1365          | -15                      | 2700            |  |
| FLE26HT3/2/SW/CD                                | 25067977   | 15517         | 26    | 120   | Med       | 5.2                  | 8000                     | 1700           | 1365          | -15                      | 2700            |  |
| FLE26HT3/2/SW/2PK                               | 25067978   | 15519         | 26    | 120   | Med       | 5.2                  | 8000                     | 1700           | 1365          | -15                      | 2700            |  |
| FLE26HT3/2/6H/4PK                               | 25067979   | 16254         | 26    | 120   | Med       | 5.2                  | 6000                     | 1650           | 1325          | -15                      | 2700            |  |
| FLE26HT3/2/10PK                                 | 25067980   | 21845         | 26    | 120   | Med       | 5.2                  | 8000                     | 1700           | 1365          | -15                      | 2700            |  |
| FLE26HT3/2/841                                  | 22117438   | 25195         | 26    | 120   | Med       | 5.2                  | 8000                     | 1700           | 1368          | -15                      | 4100            |  |
| FLE26HT3/2/XL                                   | 25052112   | 80890         | 26    | 120   | Med       | 5.2                  | 12000                    | 1700           | 1360          | -15                      | 2700            |  |
| FLE26HT3/2/XL/CD                                | 25067981   | 47446         | 26    | 120   | Med       | 5.2                  | 12000                    | 1700           | 1360          | -15                      | 2700            |  |
| FLE26HT3/2/XL2PK                                | 25067982   | 49685         | 26    | 120   | Med       | 5.2                  | 12000                    | 1700           | 1360          | -15                      | 2700            |  |
| FLE29HLX/2/XL/827                               | 25052176   | 81514         | 29    | 120   | Med       | 6.3                  | 12000                    | 2200           | 1760          | -15                      | 2700            |  |
| FLE29HLX/2/XL/CD                                | 25067984   | 47459         | 29    | 120   | Med       | 6.3                  | 12000                    | 2200           | 1760          | -15                      | 2700            |  |
| FLE29HLX/2/D3/827                               | 25052113   | 81515         | 29    | 120   | Med       | 6.3                  | 10000                    | 600/1600/2200  | 480/1280/1760 | -15                      | 2700            |  |
| FLE29HLX/2/D3/CD                                | 25067985   | 47448         | 29    | 120   | Med       | 6.3                  | 10000                    | 600/1600/2200  | 480/1280/1760 | -15                      | 2700            |  |
| FLE42HLX/2/XL                                   | 25052179   | 80891         | 42    | 120   | Med       | 6.4                  | 12000                    | 2700           | 2160          | -15                      | 2700            |  |
| FLE42HLX/2/XL/CD                                | 25067986   | 47452         | 42    | 120   | Med       | 6.4                  | 12000                    | 2700           | 2160          | -15                      | 2700            |  |
| <b>Biax®</b>                                    |            |               |       |       |           |                      |                          |                |               |                          |                 |  |
| FLE12TT3/827                                    | 22103415   | 20702         | 12    | 120   | Med       | 4.4                  | 15000                    | 600            | 480           | -15                      | 2700            |  |
| FLE14TBX/2/SW/CD                                | 22102736   | 49884         | 14    | 120   | Med       | 5.9                  | 8000                     | 850            | 685           | -15                      | 2700            |  |
| FLE15TT3/827                                    | 22077477   | 12004         | 15    | 120   | Med       | 4.9                  | 15000                    | 900            | 720           | -15                      | 2700            |  |
| FLE15TT3/SW/CD                                  | 25067987   | 12005         | 15    | 120   | Med       | 4.9                  | 15000                    | 900            | 720           | -15                      | 2700            |  |
| FLE20TT3/827                                    | 22077476   | 12008         | 20    | 120   | Med       | 5.5                  | 15000                    | 1200           | 960           | -15                      | 2700            |  |
| FLE20TT3/SW/CD                                  | 25067988   | 12009         | 20    | 120   | Med       | 5.5                  | 15000                    | 1200           | 960           | -15                      | 2700            |  |
| FLE20TBX/2/SW/CD                                | 22102743   | 49885         | 20    | 120   | Med       | 6.9                  | 8000                     | 1200           | 965           | -15                      | 2700            |  |
| FLE24QBX/A/827                                  | 22086013   | 23669         | 24    | 120   | Med       | 5.6                  | 12000                    | 1520           | 1290          | -23                      | 2700            |  |
| FLE27QBX/2/SW/CD                                | 22102746   | 49887         | 27    | 120   | Med       | 6.9                  | 6000                     | 1700           | 1365          | -15                      | 2700            |  |
| FLE28QBX/LL/CD                                  | 22048980   | 40351         | 28    | 120   | Med       | 5.9                  | 12000                    | 1750           | 1485          | -23                      | 2700            |  |
| FLE28QBX/A/827                                  | 94056315   | 46270         | 28    | 120   | Med       | 5.9                  | 12000                    | 1750           | 1485          | -23                      | 2700            |  |
| FLE29QBX/DV/827                                 | 99542112   | 41457         | 29    | 120   | Med       | 6.3                  | 10000                    | 1750           | 1500          | -23                      | 2700            |  |
| FLE29QBX/DV/827/CD                              | 99542113   | 45599         | 29    | 120   | Med       | 6.3                  | 10000                    | 1750           | 1500          | -23                      | 2700            |  |
| <b>Reflectors</b>                               |            |               |       |       |           |                      |                          |                |               |                          |                 |  |
| FLE11/R20                                       | 22079956   | 20704         | 11    | 120   | Med       | 4.7                  | 10000                    | 370            | 296           | -15                      | 2700            |  |
| FLE11/2/R20XL                                   | 25052180   | 80892         | 11    | 120   | Med       | 4.7                  | 10000                    | 400            | 320           | -15                      | 2700            |  |
| FLE11/2/R20XL/CD                                | 25067989   | 47477         | 11    | 120   | Med       | 4.7                  | 10000                    | 400            | 320           | -15                      | 2700            |  |
| FLE15/A2/R30                                    | 22004110   | 49917         | 15    | 120   | Med       | 5.5                  | 10000                    | 550            | 445           | -30                      | 2700            |  |
| FLE15/2/R30/SWCD                                | 22104232   | 20708         | 15    | 120   | Med       | 5.4                  | 8000                     | 720            | 580           | -15                      | 2700            |  |

Continued ►

## Compact

General Electric Co.

| Mfg. No.  | Advanced ID              | GE Order Code | Watts | Volts | Base Type  | Nominal Length (in.) | Average Rated Life (Hrs) | Lumens Initial | Lumens Mean | CRI | Min. Starting Temp. (°F) | Color Temp. (K) |
|---|--------------------------|---------------|-------|-------|------------|----------------------|--------------------------|----------------|-------------|-----|--------------------------|-----------------|
| <b>Self-Ballasted Compact Fluorescent Lamps</b> |                          |               |       |       |            |                      |                          |                |             |     |                          |                 |
| <b>Reflectors</b>                               |                          |               |       |       |            |                      |                          |                |             |     |                          |                 |
| FLE15/2/R30XL                                   | <a href="#">25052249</a> | 80893         | 15    | 120   | Med        | 5.5                  | 10000                    | 750            | 600         | 82  | -15                      | 2700            |
| FLE15/2/R30XL/CD                                | <a href="#">25067990</a> | 47478         | 15    | 120   | Med        | 5.5                  | 10000                    | 750            | 600         | 82  | -15                      | 2700            |
| FLE15/2/DV/R30                                  | <a href="#">22083569</a> | 21709         | 15    | 120   | Med        | 5.6                  | 6000                     | 720            | 580         | 82  | -15                      | 2700            |
| FLE15/2/DV/R30/SW/CD                            | <a href="#">25055554</a> | 21710         | 15    | 120   | Med        | 5.6                  | 6000                     | 720            | 580         | 82  | -15                      | 2700            |
| FLE23/A4/R40                                    | <a href="#">22063700</a> | 15382         | 23    | 120   | Med        | 5.9                  | 10000                    | 950            | 760         | 82  | -25                      | 2700            |
| FLE26/2/R40/SW/CD                               | <a href="#">22128489</a> | 21738         | 26    | 120   | Med        | 6.5                  | 6000                     | 1300           | 1040        | 82  | -15                      | 2700            |
| FLE26/2/R40XL                                   | <a href="#">25052250</a> | 80894         | 26    | 120   | Med        | 6.5                  | 10000                    | 1300           | 1040        | 82  | -15                      | 2700            |
| FLE26/2/R40XL/CD                                | <a href="#">25067992</a> | 47479         | 26    | 120   | Med        | 6.5                  | 10000                    | 1300           | 1040        | 82  | -15                      | 2700            |
| FLE26/2/DV/R40                                  | <a href="#">22083571</a> | 21716         | 26    | 120   | Med        | 6.9                  | 6000                     | 1300           | 1040        | 82  | -15                      | 2700            |
| FLE26/2/DV/R40/SW/CD                            | <a href="#">25067993</a> | 21718         | 26    | 120   | Med        | 6.9                  | 6000                     | 1300           | 1040        | 82  | -15                      | 2700            |
| FLE26/2/PAR38/SW/CD                             | <a href="#">25022353</a> | 21739         | 26    | 120   | Med        | 5.5                  | 6000                     | 1200           | 970         | 82  | -15                      | 2700            |
| FLE26/2/PAR38                                   | <a href="#">25052252</a> | 80895         | 26    | 120   | Med        | 5.6                  | 10000                    | 1300           | 1040        | 82  | -15                      | 2700            |
| FLE26/PAR38/2/CD                                | <a href="#">25067995</a> | 47483         | 26    | 120   | Med        | 5.6                  | 10000                    | 1300           | 1040        | 82  | -15                      | 2700            |
| <b>Genura®</b>                                  |                          |               |       |       |            |                      |                          |                |             |     |                          |                 |
| EL23/R25/SW                                     | <a href="#">97119887</a> | 25418         | 23    | 120   | Med        | 4.9                  | 15000                    | 1100           | 880         | 82  | 0                        | 2700            |
| EL23/R25/WW                                     | <a href="#">95006555</a> | 12273         | 23    | 120   | Med        | 4.9                  | 15000                    | 1100           | 880         | 82  | 0                        | 3000            |
| <b>Decorative Shapes</b>                        |                          |               |       |       |            |                      |                          |                |             |     |                          |                 |
| FLE5/2/CAC/827                                  | <a href="#">22071331</a> | 16098         | 5     | 120   | Candelabra | 4.8                  | 6000                     | 200            | 160         | 82  | -15                      | 2700            |
| FLE5/2/CAM/827                                  | <a href="#">22071332</a> | 16099         | 5     | 120   | Med        | 4.8                  | 6000                     | 200            | 160         | 82  | -15                      | 2700            |
| FLE9/2/CAC/827                                  | <a href="#">22071335</a> | 16105         | 9     | 120   | Candelabra | 5.4                  | 6000                     | 430            | 344         | 82  | -15                      | 2700            |
| FLE9/2/CAM/827                                  | <a href="#">22071336</a> | 16106         | 9     | 120   | Med        | 5.4                  | 6000                     | 430            | 344         | 82  | -15                      | 2700            |
| FLE15/A19/827                                   | <a href="#">22079022</a> | 12010         | 15    | 120   | Med        | 5.4                  | 10000                    | 825            | 660         | 82  | -15                      | 2700            |
| FLE15/6/T19/827                                 | <a href="#">99521598</a> | 41325         | 15    | 120   | Med        | 5.3                  | 6000                     | 800            | 640         | 84  | 0                        | 2700            |
| FLE15TBX/L/G29                                  | <a href="#">95033629</a> | 12501         | 15    | 120   | Med        | 5.8                  | 12000                    | 750            | 600         | 82  | -23                      | 2700            |
| FLE15/A3/G30                                    | <a href="#">22073025</a> | 41546         | 15    | 120   | Med        | 5.4                  | 10000                    | 730            | 590         | 82  | -23                      | 2700            |
| FLE15/L/TC16/827                                | <a href="#">99508711</a> | 41464         | 15    | 120   | Med        | 6                    | 12000                    | 850            | 680         | 82  | -23                      | 2700            |
| <b>Circlite</b>                                 |                          |               |       |       |            |                      |                          |                |             |     |                          |                 |
| FEA30CIR/SW/CD                                  | <a href="#">99547595</a> | 27251         | 30    | 120   | Med        | 3.5                  | 10000                    | 1900           | 1520        | 82  | 0                        | 2700            |

### Electronic

Advance Transformer Co.



Centium



Standard Electronic

Centium™ high frequency electronic ballast with less than 10% total harmonic distortion. These ballasts are especially useful in applications where harmonics must be minimized.

Standard Electronic is the broadest line of high frequency electronic ballasts for all types of fluorescent lighting. Energy efficient, reliable, quiet and flicker-free.

| Mfg. No.                     | Advanced ID | Number of Lamps | Lamp Type | Input Voltage |
|------------------------------|-------------|-----------------|-----------|---------------|
| <b>Centium w/IntelliVolt</b> |             |                 |           |               |
| ICN1P32SC*                   | 99880512    | 1               | F32T8     | 120-277V      |
| ICN2P32SC*                   | 99659745    | 2               | F32T8     | 120-277V      |
| ICN3P32SC*                   | 99880511    | 3               | F32T8     | 120-277V      |
| ICN4P32SC*                   | 99880512    | 4               | F32T8     | 120-277V      |
| ICN2S54                      | 99974089    | 2               | F54T5/HO  | 120-277V      |
| <b>Standard Electronic</b>   |             |                 |           |               |
| REL2P60S                     | 93159800    | 2               | F96T12/ES | 120V          |
| VEL2P75S                     | 92119108    | 2               | F96T12/ES | 277V          |
| REL2S110                     | 97286079    | 2               | F96T12/HO | 120V          |
| VEL2S110                     | 97286081    | 2               | F96T12/HO | 277V          |
| REL1S40SC                    | 99969857    | 1               | F34T12    | 120V          |
| VEL1S40TP                    | 22045672    | 1               | F34T12    | 277V          |
| REL2S40SC                    | 22024275    | 2               | F34T12    | 120V          |
| VEL2S40TP                    | 22017588    | 2               | F34T12    | 277V          |
| REL3S40RHTP                  | 92122219    | 3               | F34T12    | 120V          |
| VEL3S40RHTP                  | 92122220    | 3               | F34T12    | 277V          |
| REL2P59SRHTP                 | 93149643    | 2               | F96T8     | 120V          |
| VEL2P59SRHTP                 | 93149644    | 2               | F96T8     | 277V          |

Lamp Type Key: ES = Energy Saver, HO = High Output

\*Operates 32, 30 or 28 watt energy-saving lamps

### UltraMax

General Electric Co.

The patented UltraMax electronic ballast starts with MultiVoltage Control (MVC) which automatically adjusts to handle voltage from 120 - 277V; this reduces inventory from 40 units to 13 and lessens inventory costs. UltraMax uses less energy than a standard electronic ballast. The UltraMax ballast has ArcGuard protection, with UL type CC anti-arc rating. The ballast has a small, low profile design making retrofits easier at the job site.

#### Benefits

- Multi-Voltage Control (1 Ballast Covers 120 or 277V Applications)
- Ultramax Can Deliver Up to 40% Energy Savings Over Magnetic Systems
- Ultramax is the Only Full Line T8 Ballast with UL Type CC Anti-Arc Rating
- Active Current Regulation (ACR) - Optimal Performance to Each Lamp
- Anti-Striation Control - Only Ballast to Eliminate Striating Lamps
- Fully Parallel Independent Lamp Operation (One Lamp Fails Others Stay Lit)
- GE Tests Prior to Shipping for 100% Burn In

| Mfg. No.           | Advanced ID | Number of Lamps | Lamp Type | Input Voltage |
|--------------------|-------------|-----------------|-----------|---------------|
| GE-132-MAX-L/Ultra | 22054031    | 1               | *         | 120-277       |
| GE-232-MAX-L/Ultra | 22051295    | 2               | †         | 120-277       |
| GE-332-MAX-L/Ultra | 22051296    | 3               | †         | 120-277       |
| GE-432-MAX-L/Ultra | 22051297    | 4               | †         | 120-277       |
| GE-132-MAX-N/Ultra | 22051298    | 1               | *         | 120-277       |
| GE-232-MAX-N/Ultra | 22051299    | 2               | †         | 120-277       |
| GE-332-MAX-N/Ultra | 22051300    | 3               | †         | 120-277       |
| GE-432-MAX-N/Ultra | 22051301    | 4               | †         | 120-277       |
| GE-232-MAX-H/Ultra | 22051302    | 2               | †         | 120-277       |
| GE-332-MAX-H/Ultra | 22051303    | 3               | †         | 120-277       |
| GE-432-MAX-H/Ultra | 22065422    | 4               | ‡         | 120-277       |
| GE-159-MAX-N/Ultra | 22065425    | 1               | **        | 120-277       |
| GE-259-MAX-N/Ultra | 22065427    | 2               | **        | 120-277       |

\* F17T8, F25T8, F28T8, F32T8, F32T8/U6, F32T8/WM

† F17T8, F25T8, F28T8, F32T8, F32T8/U6, F32T8/WM, F25T12, FE15T8

‡ F17T8, F25T8, F28T8, F32T8, F32T8/U6, F32T8/WM, F25T12, FE15T8, F40T8

\*\* F96T8, F96T8/WM, F40T8

Advanced has branches all across North America. To reach the branch nearest you call 1-800-Advanced (479-2277).

## Dimming Ballasts

### Lutron Electronics

#### Benefits

- Eco-10-100% to 10% Dimming for Commercial and Industrial Applications
- Hi-Lume - 100% to 1% Dimming for Architectural Applications
- Continuous Flicker-Free Dimming
- Maintenance of Power Quality Across the Entire Dimming Range
- Elimination of Circuit Breaker Tripping, Switch Arching and Relay Failure
- Lamps Turn on at any Dimmed Level without Flashing

#### Features

- 3-Year Limited Warranty
- Low Harmonic Distortion
- Contains Rush Current Limiting Circuitry
- Inaudible in 27 dBA Ambient Environment
- Internal Flashing
- Minimum Lamp Starting Temperature 10°C (50°F)
- Maximum Ballast Case Temperature 75°C (167°F)



| Mfg. No.                    | Advanced ID     | Number of Lamps | Lamp Wattage | Lamp Type | Input Voltage | Dimming Range | Ballast Factor |
|-----------------------------|-----------------|-----------------|--------------|-----------|---------------|---------------|----------------|
| <b>Eco-10™ Rapid Start</b>  |                 |                 |              |           |               |               |                |
| ECO-T832-120-2              | <b>95007333</b> | 2-Lamp          | 32W          | T8        | 120 VAC       | 100-10%       | 0.85           |
| ECO-T832-120-3              | <b>95007334</b> | 3-Lamp          | 32W          | T8        | 120 VAC       | 100-10%       | 0.85           |
| ECO-T832-277-2              | <b>95007335</b> | 2-Lamp          | 32W          | T8        | 277 VAC       | 100-10%       | 0.85           |
| ECO-T832-277-3              | <b>95022287</b> | 3-Lamp          | 32W          | T8        | 277 VAC       | 100-10%       | 0.85           |
| <b>Hi-Lume® Rapid Start</b> |                 |                 |              |           |               |               |                |
| FDB-4827-120-2              | <b>93154159</b> | 2-Lamp          | 32W          | T8        | 120 VAC       | 100 - 1%      | 0.85           |
| FDB-4827-120-3              | <b>94005705</b> | 3-Lamp          | 32W          | T8        | 120 VAC       | 100 - 1%      | 0.85           |
| FDB-4827-277-2              | <b>93154158</b> | 2-Lamp          | 32W          | T8        | 277 VAC       | 100 - 1%      | 0.85           |
| FDB-4827-277-3              | <b>93154113</b> | 3-Lamp          | 32W          | T8        | 277 VAC       | 100 - 1%      | 0.85           |

## SmartMate™ Kits

### Advance Transformer Co.

Kits include SmartMate™ ballast with Intellivolt™ technology which allows the ballast to operate on any input voltage from 120 through 277V-50 or 60 Hz, mounting plate adapter, exclusive color coded dual entry connector and wire extraction tool. Compact dimensions and super lightweight design make the Smartmate™ ballasts easier to install, transport and recycle. Four SKU's cover virtually every 13-42 watt CFL application.

#### Benefits

- Makes Ballast Selection and Installation a Breeze
- Takes the Guess Work Out of Mounting
- Allows Installer to Pre-Wire
- Makes for Quick Disconnections if Necessary



| Mfg. No.     | Advanced ID     | Number of Lamps | Lamp Type       | Lamp Wattage | Input Voltage |
|--------------|-----------------|-----------------|-----------------|--------------|---------------|
| ICF2S13H1LDK | <b>22056962</b> | 2               | 13W 4-Pin       | 13W          | 120-277V      |
| ICF2S18H1LDK | <b>22056963</b> | 2               | 18W 4-Pin       | 18W          | 120-277V      |
| ICF2S26H1LDK | <b>22056964</b> | 2               | 26W 4-Pin       | 26W          | 120-277V      |
| ICF2S42M2LDK | <b>22056966</b> | 2               | 32 or 42W 4-Pin | 32-42W       | 120-277V      |

### Electromagnetic

Advance Transformer Co.

#### Benefits

- Choice of 120 or 277 Volt Models
- Individually Packaged for Ease of Handling
- Two-Year Warranty



| Mfg. No.             | Advanced ID     | Number of |            | Input Voltage |
|----------------------|-----------------|-----------|------------|---------------|
|                      |                 | Lamps     | Lamp Type  |               |
| <b>Rapid Start</b>   |                 |           |            |               |
| RM2SP30TP            | <b>88305358</b> | 2         | F30T12     | 120V          |
| R140TP*              | <b>88305393</b> | 1         | F34T12     | 120V          |
| V140TP*              | <b>88305392</b> | 1         | F34T12     | 277V          |
| R2S34TP*             | <b>96054749</b> | 2         | F34T12     | 120V          |
| R2S40TP*             | <b>88305413</b> | 2         | F34T12     | 120V          |
| V2S34TP*             | <b>96058631</b> | 2         | F34T12     | 277V          |
| V2S40TP*             | <b>88305412</b> | 2         | F34T12     | 277V          |
| R4S40ATPAC*          | <b>94035301</b> | 4         | F34T12     | 120V          |
| R2BS40TP*            | <b>94057331</b> | 2         | F40BX      | 120V          |
| RL140TP              | <b>88305430</b> | 1         | F40T12     | 120V          |
| RC2SP40TP            | <b>88305319</b> | 2         | F40T12     | 120V          |
| RC2S85TP             | <b>88305253</b> | 2         | F48T12/HO  | 120V          |
| VC2S85TP             | <b>88305252</b> | 2         | F48T12/HO  | 277V          |
| RS110TP              | <b>88305342</b> | 1         | F96T12/HO  | 120V          |
| VS110TP              | <b>88305341</b> | 1         | F96T12/HO  | 277V          |
| R2S110TP*            | <b>88305422</b> | 2         | F96T12/HO  | 120V          |
| RS2S110TP            | <b>88305423</b> | 2         | F96T12/HO  | 120V          |
| V2S110TP*            | <b>88305415</b> | 2         | F96T12/HO  | 277V          |
| VS2S110TP            | <b>88305421</b> | 2         | F96T12/HO  | 277V          |
| VC2S102TP            | <b>88305273</b> | 1         | F96T12/VHO | 277V          |
| RS2S200TP            | <b>88305345</b> | 2         | F96T12/VHO | 120V          |
| VS2S200TP            | <b>88305343</b> | 2         | F96T12/VHO | 277V          |
| <b>Instant Start</b> |                 |           |            |               |
| SM2E40STP            | <b>88305427</b> | 2         | F48T12     | 120V          |
| VSM2E40STP           | <b>88305302</b> | 2         | F48T12     | 277V          |
| R2E75STP*            | <b>88305391</b> | 2         | F96T12     | 120V          |
| V2E75STP*            | <b>88305390</b> | 2         | F96T12     | 277V          |
| R2E60STP*            | <b>99538370</b> | 2         | F96T12/ES  | 120V          |
| RSM175STP            | <b>88305432</b> | 1         | F96T12/ES  | 120V          |
| V2E60STP*            | <b>99538388</b> | 2         | F96T12/ES  | 277V          |
| VSM175STP            | <b>88305359</b> | 1         | F96T12/ES  | 277V          |
| <b>Preheat</b>       |                 |           |            |               |
| LC1420C              | <b>88305444</b> | 1         | F20T12     | 120V          |
| <b>Trigger Start</b> |                 |           |            |               |
| RL2SP20TP            | <b>88305424</b> | 2         | F20T12     | 120V          |
| RLQ120TP             | <b>88305441</b> | 1         | F20T12     | 120V          |

\*Energy-saving magnetic ballasts

### Sign Ballasts

Advance Transformer Co.

Maximum performance under all weather conditions.

#### Benefits

- For T12/HO Rapid Start Fluorescent Lamps
- Vacuum-Impregnated Copper Coils for Cool, Dependable Operation
- Six Models Cover 147 Different Lamp Combinations
- Two-Year Warranty



| Mfg. No.      | Advanced ID     | Input Voltage | Lamp Type | Maximum Number of Lamps |
|---------------|-----------------|---------------|-----------|-------------------------|
| ASB041212BLTP | <b>96093507</b> | 120V          | T12/HO    | 1 - 2                   |
| ASB062024BLTP | <b>97212235</b> | 120V          | T12/HO    | 2 - 4                   |
| ASB122424BLTP | <b>97128453</b> | 120V          | T12/HO    | 2 - 4                   |
| ASB124046BLTP | <b>97212239</b> | 120V          | T12/HO    | 4 - 6                   |
| ASB204024BLTP | <b>97128460</b> | 120V          | T12/HO    | 2 - 4                   |
| ASB244846BLTP | <b>97212240</b> | 120V          | T12/HO    | 4 - 6                   |

### Ignitors

Advance Transformer Co.

An ignitor is an electronic component found in the circuitry of all high pressure sodium and low wattage metal halide lighting systems. The ignitor provides a pulse of at least 2500 volts peak to initiate the lamp arc, thus generating light. When the system is energized, the ignitor provides the required pulse until the lamp is completely lit and then automatically stops pulsing. Includes mounting hardware.



| Mfg. No.  | Advanced ID     | Lamp Type            | Lamp Wattage |
|-----------|-----------------|----------------------|--------------|
| LI533H4IC | <b>94043939</b> | Metal Halide         | 35-400W      |
| LI501H4IC | <b>88305453</b> | High Pressure Sodium | 200-430W     |
| LI551H4IC | <b>88305188</b> | High Pressure Sodium | 35-150W      |

**Need help finding the right product for your application? Just call your Advanced sales representative!**

## Wallbox Dimmers

Lutron Electronics



Centurion



Rotary



Diva



Nova



Nova T



Skylark

Lutron manufactures an assortment of wallbox lighting controls for commercial and residential applications.

### Benefits

- Lamp Life Extension
- Comfort
- Convenience
- Safety
- Increased Profits
- Flexibility of Space
- Increased Productivity

### Features

- Highest Quality Components
- Elegant Appearance and Operation
- Precise Color Consistency
- Product Families Feature Complete Line of Products Including Dimmers, Fan Speed Controls and Matching Accessories

| Mfg. No.  | Advanced ID | Voltage Rating | Switch Configuration | Maximum Capacity | Color |
|---|-------------|----------------|----------------------|------------------|-------|
| <b>Centurion</b>                                |             |                |                      |                  |       |
| <b>Turn On/Off - Single Pole</b>                |             |                |                      |                  |       |
| C-600-BE  | 88163540    | 120V           | Incandescent Rotary  | 600 Watt         | Beige |
| C-600-WH  | 88163542    | 120V           | Incandescent Rotary  | 600 Watt         | White |
| C-1000-BE                                       | 88163532    | 120V           | Incandescent Rotary  | 1000 Watt        | Beige |
| C-1000-WH                                       | 88163533    | 120V           | Incandescent Rotary  | 1000 Watt        | White |
| C-1500-BE                                       | 88163536    | 120V           | Incandescent Rotary  | 1500 Watt        | Beige |
| C-1500-WH                                       | 88163537    | 120V           | Incandescent Rotary  | 1500 Watt        | White |
| C-2000-IV                                       | 96049434    | 120V           | Incandescent Rotary  | 2000 Watt        | Ivory |
| C-2000-WH                                       | 88163539    | 120V           | Incandescent Rotary  | 2000 Watt        | White |
| <b>Push On/Off 3-Way</b>                        |             |                |                      |                  |       |
| C-603P-BE                                       | 88163543    | 120V           | Incandescent Rotary  | 600 Watt         | Beige |
| C-603P-WH                                       | 92093224    | 120V           | Incandescent Rotary  | 600 Watt         | White |
| C-103P-BE                                       | 88163534    | 120V           | Incandescent Rotary  | 1000 Watt        | Beige |
| C-103P-WH                                       | 92093329    | 120V           | Incandescent Rotary  | 1000 Watt        | White |
| <b>Rotary</b>                                   |             |                |                      |                  |       |
| <b>Push On/Off - Single Pole</b>                |             |                |                      |                  |       |
| D-600P-IV                                       | 88163551    | 120V           | Incandescent Rotary  | 600 Watt         | Ivory |
| D-600P-WH                                       | 90015736    | 120V           | Incandescent Rotary  | 600 Watt         | White |
| <b>Push On/Off 3-Way</b>                        |             |                |                      |                  |       |
| D-603P-IV                                       | 88163554    | 120V           | Incandescent Rotary  | 600 Watt         | Ivory |
| D-603P-WH                                       | 90015737    | 120V           | Incandescent Rotary  | 600 Watt         | White |
| <b>Diva</b>                                     |             |                |                      |                  |       |
| <b>Paddle Off with Nightlight - Single Pole</b> |             |                |                      |                  |       |
| DV-10P-IV                                       | 92092394    | 120V           | Incandescent Paddle  | 1000 Watt        | Ivory |
| DV-10P-WH                                       | 92092395    | 120V           | Incandescent Paddle  | 1000 Watt        | White |
| DV-600P-IV                                      | 92047060    | 120V           | Incandescent Paddle  | 600 Watt         | Ivory |
| DV-600P-WH                                      | 92047059    | 120V           | Incandescent Paddle  | 600 Watt         | White |
| <b>Paddle Off with Nightlight - 3-Way</b>       |             |                |                      |                  |       |
| DV-603P-IV                                      | 92047062    | 120V           | Incandescent Paddle  | 600 Watt         | Ivory |
| DV-603P-WH                                      | 92047061    | 120V           | Incandescent Paddle  | 600 Watt         | White |
| DV-103P-IV                                      | 92092388    | 120V           | Incandescent Paddle  | 1000 Watt        | Ivory |
| DV-103P-WH                                      | 92092389    | 120V           | Incandescent Paddle  | 1000 Watt        | White |
| <b>Nova</b>                                     |             |                |                      |                  |       |
| <b>Slide to Off - Single Pole</b>               |             |                |                      |                  |       |
| N-600-IV  | 91015620    | 120V           | Incandescent Slide   | 600 Watt         | Ivory |
| N-600-WH  | 88163633    | 120V           | Incandescent Slide   | 600 Watt         | White |
| N-1000-IV                                       | 91015618    | 120V           | Incandescent Slide   | 1000 Watt        | Ivory |

Continued ►



### Wallbox Dimmers

Lutron Electronics

| Mfg. No.                                 | Advanced ID              | Voltage Rating | Switch Configuration                 | Maximum Capacity | Color |
|--|--------------------------|----------------|--------------------------------------|------------------|-------|
| <b>Nova</b>                              |                          |                |                                      |                  |       |
| <b>Slide to Off - Single Pole</b>        |                          |                |                                      |                  |       |
| N-1000-WH                                | <a href="#">88163614</a> | 120V           | Incandescent Slide                   | 1000 Watt        | White |
| N-1500-IV                                | <a href="#">88303532</a> | 120V           | Incandescent Slide                   | 1500 Watt        | Ivory |
| N-1500-WH                                | <a href="#">88163620</a> | 120V           | Incandescent Slide                   | 1500 Watt        | White |
| N-2000-IV                                | <a href="#">91015619</a> | 120V           | Incandescent Slide                   | 2000 Watt        | Ivory |
| N-2000-WH                                | <a href="#">88163625</a> | 120V           | Incandescent Slide                   | 2000 Watt        | White |
| NF-10-277-IV                             | <a href="#">92093040</a> | 277V           | Fluorescent Slide                    | 8 Amp            | Ivory |
| NF-10-277-WH                             | <a href="#">88163643</a> | 277V           | Fluorescent Slide                    | 8 Amp            | White |
| NF-10-IV                                 | <a href="#">91015623</a> | 120V           | Fluorescent Slide                    | 16 Amp           | Ivory |
| NF-10-WH                                 | <a href="#">88163642</a> | 120V           | Fluorescent Slide                    | 16 Amp           | White |
| <b>Slide to Off - 3-Way</b>              |                          |                |                                      |                  |       |
| N-603-IV                                 |                          | 120V           | Incandescent Slide                   | 600 Watt         | Ivory |
| N-603-WH                                 | <a href="#">89053343</a> | 120V           | Incandescent Slide                   | 600 Watt         | White |
| N-1003-IV                                |                          | 120V           | Incandescent Slide                   | 1000 Watt        | Ivory |
| N-1003-WH                                | <a href="#">89053344</a> | 120V           | Incandescent Slide                   | 1000 Watt        | White |
| N-1503-IV                                | <a href="#">92093137</a> | 120V           | Incandescent Slide                   | 1500 Watt        | Ivory |
| N-1503-WH                                |                          | 120V           | Incandescent Slide                   | 1500 Watt        | White |
| N-2003-IV                                | <a href="#">92093122</a> | 120V           | Incandescent Slide                   | 2000 Watt        | Ivory |
| N-2003-WH                                | <a href="#">89053346</a> | 120V           | Incandescent Slide                   | 2000 Watt        | White |
| NF-103P-IV                               | <a href="#">97273585</a> | 120V           | Fluorescent Slide                    | 8 Amp            | Ivory |
| NF-103P-WH                               | <a href="#">97133651</a> | 120V           | Fluorescent Slide                    | 8 Amp            | White |
| NF-103P-277-IV                           | <a href="#">97133619</a> | 277V           | Fluorescent Slide                    | 6 Amp            | Ivory |
| NF-103P-277-WH                           | <a href="#">97133650</a> | 277V           | Fluorescent Slide                    | 6 Amp            | White |
| <b>Nova T</b>                            |                          |                |                                      |                  |       |
| <b>Slide to Off - Single Pole</b>        |                          |                |                                      |                  |       |
| NT-600-IV                                | <a href="#">91015631</a> | 120V           | Incandescent Slide                   | 600 Watt         | Ivory |
| NT-600-WH                                | <a href="#">88163665</a> | 120V           | Incandescent Slide                   | 600 Watt         | White |
| NT-1000-WH                               | <a href="#">88163661</a> | 120V           | Incandescent Slide                   | 1000 Watt        | White |
| NT-1000-IV                               | <a href="#">91015632</a> | 120V           | Incandescent Slide                   | 1000 Watt        | Ivory |
| NT-1500-WH                               | <a href="#">88163662</a> | 120V           | Incandescent Slide                   | 1500 Watt        | White |
| NT-1500-IV                               | <a href="#">91015633</a> | 120V           | Incandescent Slide                   | 1500 Watt        | Ivory |
| NT-2000-WH                               | <a href="#">99430334</a> | 120V           | Incandescent Slide                   | 2000 Watt        | White |
| NT-2000-IV                               | <a href="#">99430337</a> | 120V           | Incandescent Slide                   | 2000 Watt        | Ivory |
| NTF-10-IV                                | <a href="#">93174615</a> | 120V           | Fluorescent Slide                    | 16 Amp           | Ivory |
| NTF-10-WH                                | <a href="#">92044060</a> | 120V           | Fluorescent Slide                    | 16 Amp           | White |
| NTF-10-277-WH                            | <a href="#">93166509</a> | 277V           | Fluorescent Slide                    | 8 Amp            | White |
| NTF-10-277-IV                            | <a href="#">93166508</a> | 277V           | Fluorescent Slide                    | 8 Amp            | Ivory |
| <b>Slide to Off - 3-Way</b>              |                          |                |                                      |                  |       |
| NT-603-IV                                |                          | 120V           | Incandescent Slide                   | 600 Watt         | Ivory |
| NT-603-WH                                |                          | 120V           | Incandescent Slide                   | 600 Watt         | White |
| NT-1003P-IV                              | <a href="#">91015629</a> | 120V           | Incandescent Slide                   | 1000 Watt        | Ivory |
| NT-1003P-WH                              | <a href="#">90085377</a> | 120V           | Incandescent Slide                   | 1000 Watt        | White |
| NTF-103P-IV                              | <a href="#">97133728</a> | 120V           | Fluorescent Slide                    | 8 Amp            | Ivory |
| NTF-103P-WH                              | <a href="#">97133649</a> | 120V           | Fluorescent Slide                    | 8 Amp            | White |
| NTF-103P-277-IV                          | <a href="#">97133733</a> | 277V           | Fluorescent Slide                    | 6 Amp            | Ivory |
| NTF-103P-277-WH                          | <a href="#">97133648</a> | 277V           | Fluorescent Slide                    | 6 Amp            | White |
| <b>Skylark</b>                           |                          |                |                                      |                  |       |
| <b>Preset Slide to Off - Single Pole</b> |                          |                |                                      |                  |       |
| S-10P-IV                                 | <a href="#">88163723</a> | 120V           | Incandescent Preset Slide            | 1000 Watt        | Ivory |
| S-10P-WH                                 | <a href="#">88163719</a> | 120V           | Designer Incandescent Slide & Toggle | 1000 Watt        | White |
| S-600P-IV                                | <a href="#">88163705</a> | 120V           | Designer Incandescent Slide & Toggle | 600 Watt         | Ivory |
| S-600P-WH                                | <a href="#">88163701</a> | 120V           | Designer Incandescent Slide & Toggle | 600 Watt         | White |
| <b>Toggle Off - 3-Way</b>                |                          |                |                                      |                  |       |
| S-103P-IV                                | <a href="#">88163718</a> | 120V           | Designer Incandescent Slide & Toggle | 1000 Watt        | Ivory |
| S-103P-WH                                | <a href="#">88163714</a> | 120V           | Incandescent Preset Slide            | 1000 Watt        | White |
| S-603P-IV                                | <a href="#">88163712</a> | 120V           | Designer Incandescent Slide & Toggle | 600 Watt         | Ivory |
| S-603P-WH                                | <a href="#">88163708</a> | 120V           | Designer Incandescent Slide & Toggle | 600 Watt         | White |

NOTE: Fluorescent dimmers must have compatible ballasts

### Illuma Tech™ Preset Slide Controls

Leviton Manufacturing Co.

Single Pole and 3-way, with LED locator.

#### Benefits

- Dimmers Provide Single-Pole (One Location) and 3-Way (Multi-Location) Control When Used with a 3-Way Switch



#### Features

- Environmental Material Characteristics Flammability UL-94
- V2 Rating Operating Temperature 32°F to 130°F Frequency at 120V 60 Hz
- Single-Pole and 3-Way, with LED Locator

| Mfg. No.  | Advanced ID     | Voltage Rating | Switch Configuration | Maximum Capacity | Color |
|-----------|-----------------|----------------|----------------------|------------------|-------|
| IPE04-LAW | <b>22126515</b> | 120V AC 60 Hz  | Slide                | 300W             | White |
| IPI06-LAW | <b>22123933</b> | 120V AC 60 Hz  | Slide                | 600W             | White |
| IPI10-LAW | <b>22119037</b> | 120V AC 60 Hz  | Slide                | 1000W            | White |
| IPM06-LAW | <b>99451196</b> | 120V AC 60 Hz  | Slide                | 450W             | White |

### Renoir™ Architectural Preset Slide Dimmers

Leviton Manufacturing Co.

Single-Pole device shown (3-way available).



| Mfg. No. | Advanced ID     | Voltage Rating | Switch Configuration | Maximum Capacity | Color |
|----------|-----------------|----------------|----------------------|------------------|-------|
| 80800-I* | <b>88311333</b> | 120V AC        | Preset Slide Dimmer  | 800 watts        | Ivory |
| 81000-I* | <b>88311330</b> | 120V AC        | Preset Slide Dimmer  | 1000 watts       | Ivory |
| 81000-W* | <b>88311331</b> | 120V AC        | Preset Slide Dimmer  | 1000 watts       | White |
| 81500-It | <b>88311302</b> | 120V AC        | Preset Slide Dimmer  | 1500 watts       | Ivory |
| 81500-Wt | <b>88311303</b> | 120V AC        | Preset Slide Dimmer  | 1500 watts       | White |

\*Narrow fin width 2.88 in.

†Wide fin width 4.69 in.

### SureSlide™ Decora Full Range Slide Dimmers 120V 60 Hz AC Only

Leviton Manufacturing Co.

SureSlide devices have a permanently mounted smooth-action integrated linear slide control for easy, precise operation.



#### Features

- Full-Range Capability

| Mfg. No.            | Advanced ID     | Voltage Rating | Switch Configuration      | Maximum Capacity | Color  |
|---------------------|-----------------|----------------|---------------------------|------------------|--------|
| <b>Incandescent</b> |                 |                |                           |                  |        |
| 6621-I              | <b>88157368</b> | 120V AC        | Slide Dimmer              | 600W             | Ivory  |
| 6621-P              | <b>88311510</b> | 120V AC        | Slide Dimmer with Pre-Set | 600W             | Brown  |
| 6621-PA             | <b>92051092</b> | 120V AC        | Slide Dimmer with Pre-Set | 600W             | Almond |
| 6621-PE             | <b>90075618</b> | 120V AC        | Slide Dimmer with Pre-Set | 600W             | Black  |
| 6621-PGY            | <b>88311513</b> | 120V AC        | Slide Dimmer with Pre-Set | 600W             | Gray   |
| 6621-PI             | <b>88311511</b> | 120V AC        | Slide Dimmer with Pre-Set | 600W             | Ivory  |
| 6621-PW             | <b>88311512</b> | 120V AC        | Slide Dimmer with Pre-Set | 600W             | White  |
| 6621-W              | <b>88157369</b> | 120V AC        | Slide Dimmer              | 600W             | White  |
| 6623-PI             | <b>88311517</b> | 120V AC        | Slide Dimmer with Pre-Set | 600W             | Ivory  |
| 6623-PW             | <b>88311518</b> | 120V AC        | Slide Dimmer with Pre-Set | 600W             | White  |

6623-PI & 6623-PW: 3-Way

Other Colors Available

### Trimatron™ Deluxe Push-ON / Push-OFF Rotary Dimmer

Leviton Manufacturing Co.



6681-W



6683-W

Full range rotary dimmer 600W 120V 60Hz AC only.

#### Features

- Residential Grade Environmental Material Characteristics Flammability UL-94
- V2 Rating Operating Temperature 32°F to 130°F Frequency at 120V 60 Hz

| Mfg. No. | Advanced ID     | Voltage Rating | Switch Configuration | Maximum Capacity | Color |
|----------|-----------------|----------------|----------------------|------------------|-------|
| 6681-W   | <b>90011537</b> | 120V           | Rotary-SP            | 600W             | White |
| 6683-W   | <b>90063484</b> | 120V           | Rotary-3W            | 600W             | White |

### Van Gogh™ Incandescent Architectural Rotary Dimmers

Leviton Manufacturing Co.



61000-I



62000-I

Classic rotary style dimmer available in ON/OFF (single pole only) and Push-ON/Push-OFF (single-pole and 3-way).

#### Features

- Commercial Specification Grade Operating Temperature 32°F to 130°F
- Switch Type Rotary

| Mfg. No. | Advanced ID     | Voltage Rating | Switch Configuration | Maximum Capacity | Color |
|----------|-----------------|----------------|----------------------|------------------|-------|
| 61000-I  | <b>88157225</b> | 120V AC        | Rotary               | 1000W            | Ivory |
| 61500-I  | <b>88157228</b> | 120V AC        | Rotary               | 1500W            | Ivory |
| 62000-I  | <b>88157258</b> | 120V AC        | Rotary               | 2000W            | Ivory |

### Mural Lighting Controls

Leviton Manufacturing Co.

All Mural™ Dimmers provide single-pole (1 location) and 3-way (multi-location) control when used with Multi-Remote unit.



#### Features

- Streamlined Popular Decora Styling
- Smooth ON/OFF and DIM/BRIGHT Rocker Action
- Dimmer Switches, Color White, Voltage Rating 120V AC, Wattage 600W, Residential Grade Voltage Frequency 60 Hz Environmental Material Characteristic Flammability UL-94, Rated V2 Operating Temperature 32°F to 130°F

| Mfg. No.   | Advanced ID     | Description                                 |
|--|-----------------|---|
| <b>Mural™ Decora-Style Digital Dimmer 120V AC 60Hz Only</b>      |                 |   |
| MDI06-1LW  | <b>99431666</b> | 600W  |
| <b>Mural™ L/S (Level Set) Decora-Style Preset Digital Dimmer</b> |                 |   |
| MS00R-10W  | <b>99431670</b> | Multi-Remote-Unit - no load rating 120 volt |

### Intelligent Dual Technology Passive Infrared and Ultrasonic Ceiling Mount Sensor

Hubbell Building Automation

Hubbell Building Automation's intelligent dual-technology ceiling mount sensors combine both passive infrared and ultrasonic sensing technologies to provide excellent energy savings and motion detection. Sensors feature patented IntellADAPT™ technology that continuously analyzes the area and self-adapts to meet the needs of the occupants, thus providing true maintenance free "Install and Forget" operation.



#### Benefits

- Sensor Automatically Determines Optimum Setting to Properly Cover the Area
- No Manual Sensitivity and Timer Adjustments - "Install and Forget"
- Superior Minor Motion and Long Range Major Motion Detection
- Increases Energy Savings by Preventing the Lights from Turning on When There is Sufficient Natural Light

#### Features

- Intelligent – Continuously Self-Adapting Sensor
- All-Digital, Multi-Technology (Ultrasonic and PIR) Sensor
- Non-Volatile Memory for Sensor Settings
- Optional Relay and Photocell Control
- 24V DC Operation
- UL/C-UL Listed

| Mfg. No.        | Advanced ID     | Color     | Detection Type or Zone | Voltage |
|-----------------|-----------------|-----------|------------------------|---------|
| OMNIDT2000 †    | <b>22120289</b> | Off White | 2000 sq. ft.           | 24V DC  |
| OMNIDT2000RP *‡ | <b>25054607</b> | Off White | 2000 sq. ft.           | 24V DC  |
| OMNIDT1000 †    | <b>22120288</b> | Off White | 1000 sq. ft.           | 24V DC  |
| OMNIDT1000RP*‡  | <b>25054597</b> | Off White | 1000 sq. ft.           | 24V DC  |
| OMNIDT500 †     | <b>25054586</b> | Off White | 500 sq. ft.            | 24V DC  |
| OMNIDT500RP*‡   | <b>25054609</b> | Off White | 500 sq. ft.            | 24V DC  |

\* With relay and photocell

† Switching Capacity: 24V DC Active High Logic Control Signal

‡ Switching Capacity: 24V DC Active High Logic Control Signal with Dry Contact

### Intelligent Dual Technology Passive Infrared and Ultrasonic Wall / Ceiling Mount Sensor

Hubbell Building Automation

#### Benefits

- Sensor Automatically Determines Optimum Setting to Properly Cover the Area
- No Manual Sensitivity and Timer Adjustments - "Install and Forget"
- Superior Minor Motion and Long Range Major Motion Detection
- Increases Energy Savings by Preventing the Lights from Turning on When There is Sufficient Natural Light



#### Features

- Intelligent – Continuously Self-Adapting Sensor
- All-Digital, Multi-Technology (Ultrasonic and PIR) Sensor
- Non-Volatile Memory for Sensor Settings
- Optional Relay and Photocell Control
- UL/C-UL Listed

| Mfg. No.   | Advanced ID     | Color | Detection Type or Zone | Voltage |
|------------|-----------------|-------|------------------------|---------|
| LODT †     | <b>25054558</b> | White | 1600 sq. ft.           | 24V DC  |
| LODTRP * ‡ | <b>25054527</b> | White | 1600 sq. ft.           | 24V DC  |

\* With relay and photocell

† Switching Capacity: 24V DC Active High Logic Control Signal

‡ Switching Capacity: 24V DC Active High Logic Control Signal with Dry Contact

## Intelligent Passive Infrared Ceiling Mount Sensor

Hubbell Building Automation

### Benefits

- Sensor Automatically Determines Optimum Setting to Properly Cover the Area
- No Manual Sensitivity and Timer Adjustments - "Install and Forget"
- Superior Long Range Motion Detection
- Increases Energy Savings by Preventing the Lights from Turning on When There is Sufficient Natural Light



### Features

- Intelligent – Continuously Self-Adapting Sensor
- All-Digital, Passive Infrared Sensor
- Non-Volatile Memory for Sensor Settings
- Optional Relay and Photocell Control
- UL/C-UL Listed

| Mfg. No.      | Advanced ID     | Color     | Detection Type or Zone | Voltage |
|---------------|-----------------|-----------|------------------------|---------|
| OMNIIR †      | <b>25054512</b> | Off White | 450 sq. ft.            | 24V DC  |
| OMNIIRRP * ‡  | <b>25054584</b> | Off White | 450 sq. ft.            | 24V DC  |
| OMNIIRL †     | <b>22120291</b> | Off White | 1500 sq. ft.           | 24V DC  |
| OMNIIRLRP * ‡ | <b>25054518</b> | Off White | 1500 sq. ft.           | 24V DC  |

\* With relay and photocell

† Switching Capacity: 24V DC Active High Logic Control Signal

‡ Switching Capacity: 24V DC Active High Logic Control Signal with Dry Contact

## Intelligent Passive Infrared Wall / Ceiling Mount Sensor

Hubbell Building Automation

### Benefits

- Sensor Automatically Determines Optimum Setting to Properly Cover the Area
- No Manual Sensitivity and Timer Adjustments - "Install and Forget"
- Superior Long Range Major Motion Detection
- Increases Energy Savings By Preventing the Lights from Turning on When There is Sufficient Natural Light



### Features

- Intelligent – Continuously Self-Adapting Sensor
- All-Digital, Passive Infrared Sensor
- Non-Volatile Memory for Sensor Settings
- Optional Relay and Photocell Control
- UL/C-UL Listed

| Mfg. No.           | Advanced ID     | Color     | Detection Type or Zone | Voltage |
|--------------------|-----------------|-----------|------------------------|---------|
| <b>Wall sensor</b> |                 |           |                        |         |
| LOIRWV †           | <b>25054600</b> | Off White | 2500 sq. ft.           | 24V DC  |
| LOIRWVRP * ‡       | <b>25054524</b> | Off White | 2500 sq. ft.           | 24V DC  |

### High Bay Wall sensor

|              |                 |           |                        |        |
|--------------|-----------------|-----------|------------------------|--------|
| LOIRHB †     | <b>25054565</b> | Off White | 50 ft. @ 30 ft. Height | 24V DC |
| LOIRHBRP * ‡ | <b>25054581</b> | Off White | 50 ft. @ 30 ft. Height | 24V DC |

\* With relay and photocell

† Switching Capacity: 24V DC Active High Logic Control Signal

‡ Switching Capacity: 24V DC Active High Logic Control Signal with Dry Contact

## Intelligent Self-Adapting Multi-Technology Wall Switch Sensor

Hubbell Building Automation



LHMTS1



LHMTD2

### Benefits

- Sensor Automatically Determines Optimum Setting to Properly Cover the Area
- No Manual Sensitivity and Timer Adjustments - "Install and Forget"
- Superior Minor Motion and Long Range Major Motion Detection
- Increases Energy Savings By Preventing the Lights from Turning on When There is Sufficient Natural Light

### Features

- Intelligent – Continuously Self-Adapting Sensor
- All-Digital, Multi-Technology (Passive Infrared and Ultrasonic) Sensor
- Auto On or Manual On Operating Modes
- No Minimum Load Requirement
- Built-In Photocell
- Impact Resistant Rhino Tuff™ IR Lens
- ETL Listed (UL508 Standard)

| Mfg. No.  | Advanced ID     | Color | Detection Type or Zone | Voltage      |
|---|-----------------|-------|------------------------|--------------|
| <b>Single Circuit Wall Switch with Auto/Manual Control</b>    |                 |       |                        |              |
| LHMTS1W   | <b>25054511</b> | White | 1000 sq. ft.           | 120/277 V AC |
| LHMTS1I   | <b>25054611</b> | Ivory | 1000 sq. ft.           | 120/277 V AC |
| <b>Single Circuit Wall Switch with Automatic Only Control</b> |                 |       |                        |              |
| LHMTS0W   | <b>25054508</b> | White | 1000 sq. ft.           | 120/277 V AC |
| LHMTS0I   | <b>25054606</b> | Ivory | 1000 sq. ft.           | 120/277 V AC |
| <b>Dual Circuit Wall Switch with Auto/Manual Control</b>      |                 |       |                        |              |
| LHMTD2W   | <b>25054572</b> | White | 1000 sq. ft.           | 120/277 V AC |
| LHMTD2I   | <b>25054552</b> | Ivory | 1000 sq. ft.           | 120/277 V AC |
| <b>Dual Circuit Wall Switch with Automatic Only Control</b>   |                 |       |                        |              |
| LHMTD0W   | <b>25054578</b> | White | 1000 sq. ft.           | 120/277 V AC |
| LHMTD0I   | <b>25054534</b> | Ivory | 1000 sq. ft.           | 120/277 V AC |

### Intelligent Self-Adapting Ultrasonic Wall Switch Sensor

Hubbell Building Automation



LHUSS1



LHUSD2

#### Benefits

- Sensor Automatically Determines Optimum Setting to Properly Cover the Area
- No Manual Sensitivity and Timer Adjustments - “Install and Forget”
- Superior Minor Motion Detection
- Increases Energy Savings By Preventing the Lights from Turning on When There is Sufficient Natural Light

#### Features

- Intelligent – Continuously Self-Adapting Sensor
- All-Digital, Ultrasonic Sensor
- Auto On or Manual On Operating Modes
- No Minimum Load Requirement
- Built-In Photocell
- ETL Listed (UL508 Standard)

| Mfg. No.  | Advanced ID     | Color | Detection Type or Zone | Voltage      |
|---|-----------------|-------|------------------------|--------------|
| <b>Single Circuit Wall Switch with Auto/Manual Control</b>    |                 |       |                        |              |
| LHUSS1W   | <b>25054585</b> | White | 400 sq. ft.            | 120/277 V AC |
| LHUSS1I   | <b>25054536</b> | Ivory | 400 sq. ft.            | 120/277 V AC |
| <b>Single Circuit Wall Switch with Automatic Only Control</b> |                 |       |                        |              |
| LHUSS0W   | <b>25054592</b> | White | 400 sq. ft.            | 120/277 V AC |
| LHUSS0I   | <b>25054521</b> | Ivory | 400 sq. ft.            | 120/277 V AC |
| <b>Dual Circuit Wall Switch with Auto/Manual Control</b>      |                 |       |                        |              |
| LHUSD2W   | <b>25054579</b> | White | 400 sq. ft.            | 120/277 V AC |
| LHUSD2I   | <b>25054542</b> | Ivory | 400 sq. ft.            | 120/277 V AC |
| <b>Dual Circuit Wall Switch with Automatic Only Control</b>   |                 |       |                        |              |
| LHUSD0W   | <b>25054566</b> | White | 400 sq. ft.            | 120/277 V AC |
| LHUSD0I   | <b>25054545</b> | Ivory | 400 sq. ft.            | 120/277 V AC |

### Intelligent Ultrasonic Ceiling Mount Sensor

Hubbell Building Automation

#### Benefits

- Sensor Automatically Determines Optimum Setting to Properly Cover the Area
- No Manual Sensitivity and Timer Adjustments - “Install and Forget”
- Superior Minor Motion Detection
- Increases Energy Savings By Preventing the Lights from Turning on When There is Sufficient Natural Light



#### Features

- Intelligent – Continuously Self-Adapting Sensor
- All-Digital, Ultrasonic Sensor
- Non-Volatile Memory for Sensor Settings
- Optional Relay and Photocell Control
- UL/C-UL Listed

| Mfg. No.        | Advanced ID     | Color     | Detection Type or Zone | Voltage |
|-----------------|-----------------|-----------|------------------------|---------|
| OMNIUS2000 †    | <b>25054608</b> | Off White | 2000 sq. ft.           | 24V DC  |
| OMNIUS2000RP* ‡ | <b>25054556</b> | Off White | 2000 sq. ft.           | 24V DC  |
| OMNIUS1000 †    | <b>22120292</b> | Off White | 1000 sq. ft.           | 24V DC  |
| OMNIUS1000RP* ‡ | <b>25054549</b> | Off White | 1000 sq. ft.           | 24V DC  |
| OMNIUS500 †     | <b>25054503</b> | Off White | 500 sq. ft.            | 24V DC  |
| OMNIUS500RP* ‡  | <b>25054522</b> | Off White | 500 sq. ft.            | 24V DC  |

\* With relay and photocell

† Switching Capacity: 24V DC Active High Logic Control Signal

‡ Switching Capacity: 24V DC Active High Logic Control Signal with Dry Contact



## Intelligent Self-Adapting Passive Infrared Wall Switch Sensor

Hubbell Building Automation



LHIRS1



LHIRD2

### Benefits

- Sensor Automatically Determines Optimum Setting to Properly Cover Area
- No Manual Sensitivity and Timer Adjustments - "Install and Forget"
- Superior Long Range Motion Detection
- Increases Energy Saving by Preventing the Lights from Turning on When There is Sufficient Natural Light

### Features

- Intelligent - Continuously Self-Adapting Sensor
- All-Digital, Passive Infrared Sensor
- Auto On or Manual On Operating Modes
- No Minimum Load Requirement
- Impact Resistant Rhino Tuff™ IR Lens
- ETL Listed (UL508 Standard)

| Mfg. No.  | Advanced ID     | Color | Detection Type or Zone | Voltage      |
|---|-----------------|-------|------------------------|--------------|
| <b>Single Circuit Wall Switch with Auto/Manual Control</b>    |                 |       |                        |              |
| LHIRS1W   | <b>25054516</b> | White | 1000 sq. ft.           | 120/277 V AC |
| LHIRS1I   | <b>25054604</b> | Ivory | 1000 sq. ft.           | 120/277 V AC |
| <b>Single Circuit Wall Switch with Automatic Only Control</b> |                 |       |                        |              |
| LHIRS0W   | <b>25054513</b> | White | 1000 sq. ft.           | 120/277 V AC |
| LHIRS0I   | <b>25054602</b> | Ivory | 1000 sq. ft.           | 120/277 V AC |
| <b>Dual Circuit Wall Switch with Auto/Manual Control</b>      |                 |       |                        |              |
| LHIRD2W   | <b>25054587</b> | White | 1000 sq. ft.           | 120/277 V AC |
| LHIRD2I   | <b>25054582</b> | Ivory | 1000 sq. ft.           | 120/277 V AC |
| <b>Dual Circuit Wall Switch with Automatic Only Control</b>   |                 |       |                        |              |
| LHIRD0W   | <b>25054598</b> | White | 1000 sq. ft.           | 120/277 V AC |
| LHIRD0I   | <b>25054519</b> | Ivory | 1000 sq. ft.           | 120/277 V AC |

## Passive Infrared Wall Switch Sensor

Hubbell Building Automation

Hubbell Building Automation's IWS Series passive infrared wall switch occupancy sensors provide excellent energy savings as well as reliable motion detection. The IWS sensor's low profile housing design provides the perfect wall switch for applications including private offices, conference rooms, break rooms, lounges and storage areas.



### Benefits

- Compatible with Electronic Ballasts and PL Lamps
- No Minimum Load Requirement
- Visual Confirmation of Operation
- Increases Energy Savings by Preventing the Lights from Turning on When There is Sufficient Natural Light

### Features

- Adjustable Time Delay and Sensitivity
- Zero Arc Point Switching (Patent #5,821,642)
- Walk Test Indicator
- Built-In Photocell
- UL/C-UL Listed

| Mfg. No.  | Advanced ID     | Color | Detection Type or Zone | Voltage     |
|---|-----------------|-------|------------------------|-------------|
| <b>Auto on/off</b>  |                 |       |                        |             |
| IWSZP3PI  | <b>22120284</b> | Ivory | 900 sq. ft.            | 120/277V AC |
| IWSZP3PW  | <b>22120286</b> | White | 900 sq. ft.            | 120/277V AC |
| <b>Manual on/off</b>  |                 |       |                        |             |
| IWSZPMI   | <b>25054564</b> | Ivory | 900 sq. ft.            | 120/277V AC |
| IWSZPMW   | <b>25054610</b> | White | 900 sq. ft.            | 120/277V AC |
| Switching Capacity: 800W Incandescent @ 120V, 1000W Fluorescent @ 120V, 1/8 hp @ 120V, 1800W Fluorescent @ 277V |                 |       |                        |             |



### LightBAT™ HID Dual Level Switching Controller and PIR Sensor

Hubbell Building Automation



LightBAT G2



LightBAT G1

Hubbell Building Automation's LightBAT Series of HID dual level switching controller and passive infrared sensors provide precise lighting management of HID fixtures. Hubbell Building Automation's dual level controllers can save as much as 45% of your HID lighting costs. The LightBAT MYzerSTART option provides additional cost savings associated with peak load demand by reducing energy usage at lamp start up and by providing the ability to turn lamps off in spaces that are unoccupied for long durations of time. Energy savings at lamp start up is accomplished by staggering lamp turn on.

#### Benefits

- Provides Precise Area Detection and Individual Fixture Control for Maximum Energy Saving
- Increases Lamp Life By Ensuring That Proper Lamp Operating Temperatures are Achieved Prior to Initiating the Dimming Cycle
- Provides Reliable Switching and Ensures Component and System Life
- Installation Time – Typically Less Than 10 min. Per Fixture
- Reduces Peak Electricity Demand up to 43%
- Provides ON/OFF Control of Individual Fixtures, Independent of how the Area is Circuited

#### Features

- Integrated HID Control Module and Passive Infrared Occupancy Sensor
- MYzerSTART™ Delay Turn on Control
- Tri-Level Fixture Control – Full Bright, Dim, and Off
- Supports 175W to 1,650W CWA-Type Ballast
- Guaranteed Lamp Warm-Up Intelligence
- Zero Arc Point Switching
- MyzerPORT™ for Quick and Easy Installations
- Optional Low Voltage Digital Interface
- Interchangeable PIR Lens Options

#### Note:

All Hubbell Building Automation HID dual level systems rely upon capacitor switching to reduce lamp power. Proper capacitor value selection is dependent upon ballast manufacturer, ballast part number and lamp wattage.

These sensors also require a PIR sensor lens which is based on mounting height above floor, fixture spacing and sensor coverage area.

| Mfg. No.   | Advanced ID Voltage | Detection Type or Zone  | Color      | Switching Capacity |
|--|---------------------|-------------------------|------------|--------------------|
| <b>LightBAT Controller</b>   |                     |                         |            |                    |
| LB1  | 25054551            | * Passive Infrared      | Blue       | †                  |
| LB2  | 25054541            | * Passive Infrared      | Blue       | ‡                  |
| LB3  | 25054526            | * Passive Infrared      | Blue       | **                 |
| <b>LightBAT Controller with 4 Pin Low Voltage Interface</b>                    |                     |                         |            |                    |
| LB1EXTP1   | 25054561            | * Passive Infrared      | Blue       | †                  |
| LB2EXTP1   | 25054544            | * Passive Infrared      | Blue       | ‡                  |
| LB3EXTP1   | 25054574            | * Passive Infrared      | Blue       | **                 |
| <b>LightBAT Controller - MYzerStart Option</b>                                 |                     |                         |            |                    |
| LB1MS  | 25054505            | * Passive Infrared      | Blue       | †                  |
| LB2MS  | 25054605            | * Passive Infrared      | Blue       | ‡                  |
| LB3MS  | 25054539            | * Passive Infrared      | Blue       | **                 |
| <b>LightBAT Controller - MYzerStart Option and 4 Pin Low Voltage Interface</b> |                     |                         |            |                    |
| LB1MSEXP2  | 25054517            | * Passive Infrared      | Blue       | †                  |
| LB2MSEXP2  | 25054559            | * Passive Infrared      | Blue       | ‡                  |
| LB3MSEXP2  | 25054594            | * Passive Infrared      | Blue       | **                 |
| <b>Lens</b>  |                     |                         |            |                    |
| LBLENS15   | 25054570            | 1.5 x .23 Coverage Area | Black      |                    |
| LBLENS10   | 25054603            | 1.0 x .23 Coverage Area | Charcoal   |                    |
| LBLENS07   | 25054553            | .70 x .16 Coverage Area | Clear      |                    |
| LBLENS0806   | 25054510            | .80 x .60 Coverage Area | Light Gray |                    |
| <b>Power Module</b>  |                     |                         |            |                    |
| HIDPWR400  | 25054548            | * Passive Infrared      | Black      | ††                 |
| HIDPWR1000   | 25054554            | * Passive Infrared      | Black      | ●                  |
| <b>Motion Sensor</b>   |                     |                         |            |                    |
| HIDSENPiR  | 25054537            |                         | Black      |                    |

\* Powered from fixture  
 † 175W Metal Halide / 175W, 200W Pulse Start Metal Halide  
 ‡ 250W, 320W, 350W, 400W Metal Halide / 250W, 320W, 350W, 400W, 450W Pulse Start Metal Halide / 250W hp / 400W High Pressure Sodium  
 \*\* 1,500W, 1,650W Metal Halide Max. operating temp. @ 55°C / 1,000W Metal Halide Max. operating temp. @ 65°C / 750W, 1,000W Pulse Start Metal Halide Max. operating temp. @ 55°C / 600W, 1,000W High Pressure Sodium Max. operating temp. @ 65°C  
 †† 175W, 250W, 320W, 400W Metal Halide / 175W, 200W, 250W, 320W, 350W, 400W, 450W Pulse Start Metal Halide / 250W, 400W High Pressure Sodium  
 ● 1000W Metal Halide / 750W, 1000W Pulse Start Metal Halide / 600W High Pressure Sodium

## Occupancy Sensor Lighting Controls

Leviton Manufacturing Co.



ODC04-I0W



ODC05-I1W



ODS0D-IDW

Versatile occupancy sensor lighting controls for cost-effective energy savings. Wall or ceiling, passive infrared or ultrasonic.

| Mfg. No.   | Advanced ID | Voltage     | Detection Type or Zone | Color | Switching Capacity  |
|--|-------------|-------------|------------------------|-------|---|
| <b>Infrared Ceiling-Mount Occupancy Sensor</b>                             |             |             |                        |       |   |
| ODC04-I0W  | 99520764    | 24V DC      | 450 sq. ft.            | White | 24V DC Active High Logic Control Signal   |
| <b>Self-Contained Ceiling-Mount Occupancy Sensor</b>                       |             |             |                        |       |   |
| ODC05-I1W  | 99550751    | 24V DC      | 530 sq. ft.            | White | Incandescent 1000W @ 120V, Fluorescent 1000 VA @ 120V   |
| ODC05-I7W  | 99554503    | 24V DC      | 530 sq. ft.            | White | 2700 VA Fluorescent @ 277V AC   |
| <b>Dual-Relay Decora® Wall Switch Infrared Occupancy Sensor</b>            |             |             |                        |       |   |
| ODS0D-IDW  | 99554500    | 120/277V AC | 2100 sq. ft.           | White | Relay-(1) 800W Incandescent @ 120 V AC, 1200 VA @ 120 V AC, 2700 VA @ 277 V AC Fluorescent, Relay-(2) 800W Incandescent @ 120 V AC, 800 VA @ 120 V AC, 1200 VA @ 277 V AC Fluorescent |
| <b>Wall Switch Infrared Occupancy Sensor (Incandescent or Fluorescent)</b> |             |             |                        |       |   |
| ODS10-IDI  | 99554491    | 120/277V AC | 2100 sq. ft.           | Ivory | 800W Incandescent @ 120 V AC, 1200 VA @ 120 V AC, 2700 VA @ 277 V AC Fluorescent, 1/4 hp @ 120 V AC   |
| ODS15-IDI  | 99554486    | 120/277V AC | 2100 sq. ft.           | Ivory | 1800W Incandescent @ 120 V AC, 1800 VA @ 120 V AC, 4000 VA @ 277 V AC Fluorescent, 1/4 hp @ 120 V AC  |
| ODS15-IDW  | 99554484    | 120/277V AC | 2100 sq. ft.           | White | 1800W Incandescent @ 120 V AC, 1800 VA @ 120 V AC, 4000 VA @ 277 V AC Fluorescent, 1/4 hp @ 120 V AC  |

## General Purpose

Lithonia Lighting

Static fixtures for all general illumination applications.

### Features

- Standard Door is Flush Steel with Opposing, Rotary-Action Cam Latches
- T-Hinge is Die-Formed Steel
- In-and-Out Wiring Standard, Ballast Leads Identified
- Integral T-Bar Safety Clips are Standard
- UL Listed



### Accessories & Replacement Parts

L2GT8A12 (GBID 99509114) 2 ft. x 4 ft. Replacement Lens

DGA24 (GBID 97188434) 2 ft. x 4 ft. Dry Wall Grid Adapter

| Mfg. No.                         | Advanced ID | Lamp Qty | Lamp Type | Lamp Wattage | Voltage   | Dimensions       | Ballast Qty | Ballast Type    |
|----------------------------------|-------------|----------|-----------|--------------|-----------|------------------|-------------|-----------------|
| GT8 2 32 A12 MVOLT GEB10IS       | 22122595    | 2        | F32T8     | 32W          | 120V-277V | 12 x 4 1/2 x 48  | 1           | Electronic IS * |
| 2GT 8 2 U316 A12 MVOLT GEB10IS   | 99940199    | 2        | F31T8U    | 32W          | 120V-277V | 24 x 3 3/16 x 24 | 1           | Electronic IS * |
| 2GT 8 2 32 A12 MVOLT GEB10IS     | 22083215    | 2        | F32T8     | 32W          | 120V-277V | 24 x 3 3/16 x 48 | 1           | Electronic IS * |
| 2GT 8 3 32 A12 MVOLT 1/3 GEB10IS | 22003606    | 3        | F32T8     | 32W          | 120V-277V | 24 x 3 3/16 x 48 | 1           | Electronic IS * |
| 2GT 8 3 32 A12 MVOLT GEB10IS     | 22085594    | 3        | F32T8     | 32W          | 120V-277V | 24 x 3 3/16 x 48 | 2           | Electronic IS * |
| 2GT 8 4 32 A12 MVOLT 1/4 GEB10IS | 99940198    | 4        | F32T8     | 32W          | 120V-277V | 24 x 3 3/16 x 48 | 1           | Electronic IS * |

\*Instant Start Ballast

### Metalux GR8 Series

#### Cooper Lighting

Commercial grade T8 recessed static troffer.

#### Benefits

- Unibody Construction
- Optimized for T8 Lamps
- Equipped with Energy Saving Electronic Ballasts
- Complies with Federal Energy Efficiency Standards
- Spring Loaded Latch
- End Plates Secured with Mechanical Weld



#### Features

- UL/C-UL Listed - Suitable for Damp Locations

| Mfg. No.   | Advanced ID     | Lamp Qty | Lamp Type | Lamp Wattage | Voltage  | Dimensions                              | Ballast Qty | Ballast Type    |
|--|-----------------|----------|-----------|--------------|----------|---|-------------|-----------------|
| 2GR8-232A-UNV-EB81-U                                       | <b>99575262</b> | 2        | F32T8     | 32W          | 120/277V | 24 x 48 x 3 <sup>3</sup> / <sub>4</sub> | 1           | Electronic IS * |
| 2GR8-2U6T8A-UNV-EB81-U                                     | <b>22067416</b> | 2        | F32T8U    | 32W          | 120/277V | 24 x 24 x 3 <sup>3</sup> / <sub>4</sub> | 1           | Electronic IS * |
| 2GR8-332A-UNV-EB81-U                                       | <b>99575265</b> | 3        | F32T8     | 32W          | 120/277V | 24 x 48 x 3 <sup>3</sup> / <sub>4</sub> | 1           | Electronic IS * |
| 2GR8-432A-UNV-EB81-U                                       | <b>99550104</b> | 4        | F32T8     | 32W          | 120/277V | 24 x 48 x 3 <sup>3</sup> / <sub>4</sub> | 1           | Electronic IS * |
| 2GR8-432A-UNV-L8735-EB81-U†                                | <b>22016887</b> | 4        | F32T8     | 32W          | 120/277V | 24 x 48 x 3 <sup>3</sup> / <sub>4</sub> | 1           | Electronic IS * |
| <b><sup>3</sup>/<sub>8</sub> in. Factory Prewired Flex</b> |                 |          |           |              |          |   |             |                 |
| 2GR8-332A-UNV-L8735-A3/8-2/18G-EB81-U†                     | <b>99702089</b> | 3        | F32T8     | 32W          | 120/277V | 24 x 48 x 3 <sup>3</sup> / <sub>4</sub> | 1           | Electronic IS * |
| 2GR8-432A-UNV-L8735-A3/8-2/18G-EB81-U†                     | <b>22037594</b> | 4        | F32T8     | 32W          | 120/277V | 24 x 48 x 3 <sup>3</sup> / <sub>4</sub> | 1           | Electronic IS * |

\* Instant Start Ballast

† Lamp Included

### Static Troffer

#### Columbia Lighting

Static fixtures for all general illumination applications.

#### Benefits

- Corner Hinged for Easy Insertion and Removal of Shielding Frame
- Housing Ends Secured by Corner Interlock and Screws
- Rolled Edge Housing on all Four Sides (2 x 4 Only)
- Housing Reinforced with Backside Embossments
- Mechanical Light Trap Prevents Light Leaks
- Integral Tee Bar Clips (2 x 4 Only)
- Heat Sink Embossments Behind Ballast for Cooler Operation, Longer Life
- All Metal Parts on Grid Units are Pre-Painted White; Flanged Units are White Powder Coat, Painted After Fabrication
- UL Listed



| Mfg. No.                   | Advanced ID     | Lamp Qty | Lamp Type | Lamp Wattage | Voltage  | Dimensions                              | Ballast Qty | Ballast Type |
|----------------------------|-----------------|----------|-----------|--------------|----------|---|-------------|--------------|
| J22-232U6 G-FSA12-EB8UNIV  | <b>22003087</b> | 2        | F32T8U    | 32W          | 120-277V | 24 x 4 <sup>1</sup> / <sub>4</sub> x 24 | 1           | Electronic   |
| J22-232U6 G-FSA12-EB8LHUNV | <b>22067138</b> | 2        | F32T8U    | 32W          | 120-277V | 24 x 4 <sup>1</sup> / <sub>4</sub> x 24 | 1           | Electronic * |
| J24-432 G-FSA12-4EB8UNIV   | <b>22003086</b> | 4        | F32T8     | 32W          | 120-277V | 24 x 3 <sup>3</sup> / <sub>4</sub> x 48 | 2           | Electronic   |
| J24-432 G-FSA12-4EB8LHUNV  | <b>22067141</b> | 4        | F32T8     | 32W          | 120-277V | 24 x 3 <sup>3</sup> / <sub>4</sub> x 48 | 2           | Electronic * |

\* <10% THD

## T8 Troffer

### Columbia Lighting

#### Benefits

- Optimized for T8 Lamps
- Flush Steel Door (Standard) Hinges from Either Side for Maximum Flexibility
- Mitered Corners Standard
- Hemmed Edges for Contractor-Friendly Handling
- Mechanical Light Trap Prevents Light Leak without Foam Gasketing
- Integral T-Bar Clips
- Housing Reinforced with Embossments
- Painted Parts are Treated with a Five Stage Phosphate Bonding Process and Finished with a Baked White Enamel
- UL Listed



| Mfg. No.                    | Advanced ID     | Lamp Qty | Lamp Type | Lamp Wattage | Voltage  | Dimensions                              | Ballast Qty | Ballast Type |
|-----------------------------|-----------------|----------|-----------|--------------|----------|---|-------------|--------------|
| JT824-232G-FSA12-EB8LHUNV   | <b>22072135</b> | 2        | F32T8     | 32W          | 120-277V | 24 x 3 <sup>1</sup> / <sub>8</sub> x 48 | 1           | Electronic * |
| JT824-432 G FSA12-4EB8LHUNV | <b>22050540</b> | 4        | F32T8     | 32W          | 120-277V | 24 x 3 <sup>1</sup> / <sub>8</sub> x 48 | 2           | Electronic * |

\* < 10% THD

## Paralux III 3 in. Recessed Parabolics

### Cooper Lighting

#### Benefits

- Equipped with Energy Saving Electronic Ballast
- Efficient Air Handling Options
- Complies with Federal Energy Efficiency Standards
- Computer Designed Precision Cell Louver Technology
- Self-Locking Spring-Loaded Cam Latches
- Interlocking Tabs and Screws Secure End Plates

#### Features

- UL/CUL Listed - Suitable for Damp Locations



| Mfg. No.                                | Advanced ID     | Lamp Qty | Lamp Type | Lamp Wattage | Voltage  | Dimensions                              | Ballast Qty | Ballast Type    | Number of Cells |
|---|-----------------|----------|-----------|--------------|----------|---|-------------|-----------------|-----------------|
| <b>Floating Louver - Non Air Supply</b> |                 |          |           |              |          |   |             |                 |                 |
| 2EP3GX-2U6T8-S33I-UNV-EB81-U            | <b>99659826</b> | 2        | F31T8U    | 31W          | 120/277V | 24 x 24 x 5 <sup>5</sup> / <sub>8</sub> | 1           | Electronic IS * | 9               |
| 2EP3GX-332-S36I-UNV-EB81-U              | <b>99550102</b> | 3        | F32T8     | 32W          | 120/277V | 24 x 48 x 5 <sup>5</sup> / <sub>8</sub> | 1           | Electronic IS * | 18              |
| <b>Floating Louver - Air Supply</b>     |                 |          |           |              |          |   |             |                 |                 |
| 2EP3GAVX-2U6T8-S33I-UNV-EB81            | <b>99663608</b> | 2        | F31T8U    | 31W          | 120/277V | 24 x 24 x 5 <sup>5</sup> / <sub>8</sub> | 1           | Electronic IS * | 9               |
| 2EP3GAVX-332-S36I-UNV-EB81-U            | <b>99663609</b> | 3        | F32T8     | 32W          | 120/277V | 24 x 48 x 5 <sup>5</sup> / <sub>8</sub> | 1           | Electronic IS * | 18              |

\* Instant Start Ballast

### DuraLouver®

Columbia Lighting

Nominal 3 in. deep louver provides excellent glare control for today's architectural interior with maintenance-free operation.

#### Benefits

- DuraLouver Anodized Aluminum Louver Resists Dents and Scratches
- Maximum Efficiency with Controlled Widespread Distribution
- Shallow Housing Height for Restrictive Ceiling Areas
- UL Listed



| Mfg. No.                      | Advanced ID     | Lamp Qty | Lamp Type | Lamp Wattage | Voltage   | Dimensions                 | Ballast Qty | Ballast Type | Number of Cells |
|-------------------------------|-----------------|----------|-----------|--------------|-----------|----------------------------|-------------|--------------|-----------------|
| P4D 24-332-G-MA36-S-3EB8LHUNV | <b>22071347</b> | 3        | F32T8     | 32W          | 120V-277V | 24 x 4 <sup>7/8</sup> x 48 | 1           | Electronic*  | 18              |

\*<10% THD

### Paramax

Lithonia Lighting

Paramax offers a selection of recessed parabolics that provides a marriage of aesthetics and optimal performance with T8 lamps and electronic ballasts. Engineered for maximum efficiency while maintaining excellent optical control and visual comfort. High-performance deep-cell parabolic luminaires for superior light control, visual comfort, and light cut-off in open area applications.

#### Features

- Contoured Housing for Superior Light Control
- 3 Inch Deep Cell Premium-Grade Aluminum Louvers
- Low Iridescent Anodized Louver Finish
- Hemmed Edges for Ease of Handling
- Automated Assembly, Mitered Corners and Interlocking Construction Assure Precise Parabolic Shape
- Compatible with Most Common Ceiling Types and Air Functions
- UL Listed



| Mfg. No.                             | Advanced ID     | Lamp Qty | Lamp Type | Lamp Wattage | Voltage   | Dimensions                  | Ballast Qty | Ballast Type    | Number of Cells |
|--------------------------------------|-----------------|----------|-----------|--------------|-----------|-----------------------------|-------------|-----------------|-----------------|
| PM3 G B 2 32 8LD MVOLT GEB10IS       | <b>25027819</b> | 2        | F32T8     | 32W          | 120V-277V | 12 x 7 <sup>3/16</sup> x 48 | 1           | Electronic IS * | 8               |
| 2PM3N G B 2 U316 9LD MVOLT GEB10IS   | <b>99940201</b> | 2        | F31T8U    | 31W          | 120V-277V | 24 x 5 <sup>1/4</sup> x 24  | 1           | Electronic IS * | 9               |
| 2PM3N G B 3 32 18LD MVOLT 1/3GEB10IS | <b>99940200</b> | 3        | F32T8     | 32W          | 120V-277V | 24 x 5 <sup>1/4</sup> x 48  | 1           | Electronic IS * | 18              |

\*Instant Start Ballast

## Low Profile Wraparound

### Lithonia Lighting

For applications requiring a clean, decorative appearance. Provides high vertical illumination and brightness control. For surface or stem mounting, unit or row installation.

#### Features

- Linear Side Prisms Control Brightness, Pyramidal Bottom Prisms Minimize Lamp Image
- Acrylic Prismatic Diffuser with Sonic-Welded, Injection-Molded, Luminous Ends
- White Enamel End Plates
- Continuous, Interlocking-Diffuser Support Prevents Accidental Opening, Simplifies Cleaning and Service
- Snap-In Aligners Permit Row Mounting Without Tools
- UL Listed



#### Notes:

Minimum Two Hangers Required

For Row Installation, One Hanger Per Fixture Plus One Per Row Required

| Mfg. No.                 | Advanced ID     | Lamp Qty | Lamp Type | Lamp Wattage | Voltage   | Dimensions                              | Ballast Qty | Ballast Type    |
|--------------------------|-----------------|----------|-----------|--------------|-----------|---|-------------|-----------------|
| LB 2 32 MVOLT GEB10IS    | <b>94039081</b> | 2        | F32T8     | 32W          | 120V-277V | 10 x 3 x 48                             | 1           | Electronic IS * |
| LB 4 32 MVOLT 1/4GEB10IS | <b>94001194</b> | 4        | F32T8     | 32W          | 120V-277V | 15 <sup>3</sup> / <sub>8</sub> x 3 x 48 | 1           | Electronic IS * |

\*Instant Start Ballast

## Low Profile Wraparound

### Columbia Lighting

#### Benefits

- Clear Acrylic Prismatic Diffuser with Flat Bottom and Vertical Sides
- Hinges from Either Side
- White Steel End Plates with Flush Knockouts for Continuous Row Mounting
- Heavy Gauge Steel Housing Die Embossed for Maximum Rigidity
- Heat Sink Embossments and Leveling Projections Allow Direct Mounting of Fixtures on Low Density Cellulose Fiberboard Ceilings
- All Metal Parts are Treated with a Five Stage Phosphate Bonding Process and Finished with a Baked White Enamel
- UL Listed



| Mfg. No.          | Advanced ID     | Lamp Qty | Lamp Type | Lamp Wattage | Voltage   | Dimensions  | Ballast Qty | Ballast Type |
|-------------------|-----------------|----------|-----------|--------------|-----------|---|-------------|--------------|
| AWN4-232-EB8LHUNV | <b>22056994</b> | 2        | F32T8     | 32W          | 120V/277V | 8 <sup>5</sup> / <sub>16</sub> x 2 <sup>7</sup> / <sub>8</sub> x 48 | 1           | Electronic * |

\* < 10% THD



### Square-Basket

#### Lithonia Lighting

For applications that require the clean appearance of a flat-bottom diffuser. Provides high light levels for storage rooms, offices or retail applications. For surface or stem mounting (4-foot models only), unit or row installation.

#### Features

- Flat-Bottom Acrylic Prismatic Diffuser
- Full-Depth, White Enamel End Plates
- Diffuser Hinges Open From Either Side for Easy Cleaning and Service
- UL Listed and CSA Certified

#### Notes:

Minimum Two Single-Stem Hangers Required

For Row Installation, One Hanger Per Fixture Plus One Per Row Required



| Mfg. No.                 | Advanced ID     | Lamp Qty | Lamp Type | Lamp Wattage | Voltage   | Dimensions  | Ballast Qty | Ballast Type    |
|--------------------------|-----------------|----------|-----------|--------------|-----------|---|-------------|-----------------|
| SB 2 32 MVOLT GEB10IS    | <b>93177307</b> | 2        | F32T8     | 32W          | 120V-277V | 8 <sup>1</sup> / <sub>3</sub> x 2 <sup>7</sup> / <sub>8</sub> x 48  | 1           | Electronic IS * |
| SB 4 32 MVOLT 1/4GEB10IS | <b>93177305</b> | 4        | F32T8     | 32W          | 120V-277V | 13 <sup>3</sup> / <sub>4</sub> x 2 <sup>7</sup> / <sub>8</sub> x 48 | 1           | Electronic IS * |

\*Instant Start Ballast

### Surface Wraparound Commercial Grade

#### Cooper Lighting

#### Benefits

- Equipped with Energy Saving Ballast
- Complies with Federal Energy Efficiency Standards
- Low Brightness / Extruded Acrylic Refractor
- Low Profile
- Lift and Shift Refractor for Ease of Re-Lamping
- Surface or Stem Mounting, Single or Continuous Row
- Full Decorative Injection Molded Caps

#### Features

- UL/C-UL Listed - Suitable for Damp Locations



| Mfg. No.           | Advanced ID     | Lamp Qty | Lamp Type | Lamp Wattage | Voltage  | Dimensions   | Ballast Qty | Ballast Type    |
|--------------------|-----------------|----------|-----------|--------------|----------|--|-------------|-----------------|
| W-232A-UNV-EB81-U  | <b>99951801</b> | 2        | F32T8     | 32W          | 120/277V | 48 x 8 <sup>1</sup> / <sub>2</sub> x 2 <sup>5</sup> / <sub>8</sub> | 1           | Electronic IS * |
| W-432A-UNV-EB81-U† | <b>99951802</b> | 4        | F32T8     | 32W          | 120/277V | 48 x 14 x 2 <sup>5</sup> / <sub>8</sub>                            | 1           | Electronic IS * |

\*Instant Start Ballast

†Tandem Fixture

## Metalux Specification Grade Surface Wraparound

### Cooper Lighting

#### Benefits

- Equipped with Energy Saving Ballast
- Complies with Federal Energy Efficiency Standards
- Low Brightness / Extruded Acrylic Refractor
- Low Profile
- Lift and Shift Refractor for Ease of Re-Lamping
- Wireway Cover can be Removed without Tools for Easy Access
- Surface or Stem Mounting, Single or Continuous Row



#### Features

- UL/C-UL Listed - Suitable for Damp Locations

| Mfg. No.           | Advanced ID     | Lamp Qty | Lamp Type | Lamp Wattage | Voltage | Dimensions   | Ballast Qty | Ballast Type    |
|--------------------|-----------------|----------|-----------|--------------|---------|--|-------------|-----------------|
| WS-232A-UNV-EB81-U | <b>99962779</b> | 2        | F32T8     | 32W          | 120/277 | 48 x 9 <sup>7</sup> / <sub>8</sub> x 2 <sup>5</sup> / <sub>8</sub> | 1           | Electronic IS * |

\* Instant Start Ballast

## General Purpose Channels

### Lithonia Lighting

For applications that require low to medium illumination levels. Suitable for general purpose applications.

#### Features

- Steel Channel with High-Gloss, Baked Enamel Finish
- Channel Cover Retained by Quarter-Turn Fastener
- UL Listed and CSA Certified



| Mfg. No.                  | Advanced ID     | Lamp Qty | Lamp Type | Lamp Wattage | Voltage   | Dimensions  | Ballast Qty | Ballast Type    |
|---------------------------|-----------------|----------|-----------|--------------|-----------|---|-------------|-----------------|
| C 1 32 MVOLT GEB10IS      | <b>22069640</b> | 1        | F32T8     | 32W          | 120V-277V | 4 <sup>3</sup> / <sub>8</sub> x 2 <sup>1</sup> / <sub>16</sub> x 48   | 1           | Electronic IS * |
| C 2 32 MVOLT GEB10IS      | <b>99970496</b> | 2        | F32T8     | 32W          | 120V-277V | 4 <sup>3</sup> / <sub>16</sub> x 2 <sup>15</sup> / <sub>16</sub> x 48 | 1           | Electronic IS * |
| TC 2 32 MVOLT 1/4GEB10IS† | <b>99973418</b> | 4        | F32T8     | 32W          | 120V-277V | 4 <sup>3</sup> / <sub>8</sub> x 2 <sup>1</sup> / <sub>16</sub> x 96   | 2           | Electronic IS * |

\*Instant Start Ballast

†Tandem Fixture

## Heavy-Duty Narrow Strip

### Columbia Lighting

#### Benefits

- One or Two-Lamp Cross Sections
- Snap-On Cover, No Tools Required
- Die Formed Steel Channel for Maximum Rigidity
- Individual or Row Mounting, Surfaced or Suspended
- Rotary Lock Lamp Holders
- UL Listed



| Mfg. No.         | Advanced ID     | Lamp Qty | Lamp Type | Lamp Wattage | Voltage  | Dimensions  | Ballast Qty | Ballast Type    |
|------------------|-----------------|----------|-----------|--------------|----------|---|-------------|-----------------|
| CH4-132-EB8LHUNV | <b>22084813</b> | 1        | F32T8     | 32W          | 120-277V | 3 <sup>3</sup> / <sub>16</sub> x 1 <sup>13</sup> / <sub>16</sub> x 48 | 1           | Electronic T8 * |
| CH4-232-EB8LHUNV | <b>22067500</b> | 2        | F32T8     | 32W          | 120-277V | 3 <sup>3</sup> / <sub>16</sub> x 1 <sup>13</sup> / <sub>16</sub> x 48 | 1           | Electronic T8*  |

\* <10% THD

### Metalux Commercial Wide Striplite

Cooper Lighting

#### Benefits

- Equipped with Energy Saving Ballast
- Complies with Federal Energy Efficiency Standards
- Die-Formed Channel
- End Plate Converts to Channel Aligner for Continuous Row Mounting
- Pressure Lock Lampholders
- Wireway Cover can be Removed without Tools for Easy Access
- Numerous Knockouts for Easy Installation



#### Features

- UL/CUL Listed - Suitable for Damp Locations

| Mfg. No.          | Advanced ID     | Lamp Qty | Lamp Type | Lamp Wattage | Voltage  | Dimensions   | Ballast Qty | Ballast Type    |
|-------------------|-----------------|----------|-----------|--------------|----------|--|-------------|-----------------|
| SS-132-UNV-EB81   | <b>22007254</b> | 1        | F32T8     | 32W          | 120/277V | 48 x 4 <sup>1</sup> / <sub>4</sub> x 3 <sup>5</sup> / <sub>8</sub> | 1           | Electronic IS * |
| SS-296-UNV-EB81-U | <b>22067415</b> | 2        | F96T8     | 59W          | 120/277V | 96 x 4 <sup>1</sup> / <sub>4</sub> x 3 <sup>5</sup> / <sub>8</sub> | 1           | Electronic IS * |
| 8TSS-232-UNV-EB81 | <b>22007255</b> | 4        | F32T8     | 32W          | 120/277V | 96 x 4 <sup>1</sup> / <sub>4</sub> x 3 <sup>5</sup> / <sub>8</sub> | 2           | Electronic IS * |

\* Instant Start Ballast

### Standard Striplights

Lithonia Lighting

For applications that require medium illumination levels and narrow construction. Suitable for general or task lighting.

#### Features

- Slim Channel for Easy Handling in Unit or Row, Ceiling or Wall-Mount Applications
- Baked Enamel Finish
- Combination End Plate/Channel Connector Furnished
- Channel Cover Retained by Quarter-Turn Fastener
- UL Listed and CSA Certified



| Mfg. No.             | Advanced ID     | Lamp Qty | Lamp Type | Lamp Wattage | Voltage   | Dimensions   | Ballast Qty | Ballast Type    |
|----------------------|-----------------|----------|-----------|--------------|-----------|--|-------------|-----------------|
| S 1 32 MVOLT GEB10IS | <b>22057958</b> | 1        | F32T8     | 32W          | 120V-277V | 2 <sup>3</sup> / <sub>4</sub> x 2 <sup>3</sup> / <sub>4</sub> x 48 | 1           | Electronic IS * |

\*Instant Start Ballast

### Straight Sided Utility Strip

Columbia Lighting

#### Benefits

- Die Formed Steel Channel with Heat Sink Embossments for Cooler Running Ballasts
- Ballast Cover Retained by 1/4 Turn Fasteners
- Individual or Row Mounting, Surfaced or Suspended
- UL Listed



#### Accessories

Wire Guard: CSWG4 (GBID 88300729)

| Mfg. No.          | Advanced ID     | Lamp Qty | Lamp Type | Lamp Wattage | Voltage   | Dimensions  | Ballast Qty | Ballast Type |
|-------------------|-----------------|----------|-----------|--------------|-----------|---|-------------|--------------|
| CS8-232-4EB8LHUNV | <b>22056993</b> | 4        | F32T8     | 32W          | 120V/277V | 4 <sup>7</sup> / <sub>16</sub> x 1 <sup>13</sup> / <sub>16</sub> x 96 | 1           | Electronic   |

## Enclosed Industrials

### Lithonia Lighting

For low to medium mounting heights and harsh environments where dust, dirt, humidity or moisture is present. Ideal for canopies, shipping docks, refrigerated areas, food processing and other non-hazardous environments. For unit or row installations, surface (ceiling or wall) or suspended mounting.

#### Features

- Impact-Resistant, UV-Stabilized, Reinforced Polyester Fiberglass Housing
- Shatter-Resistant 15% DR Acrylic Diffuser
- Poured-In Gasketing Provides a Continuous Seal Between Housing and Diffuser
- Captive, Corrosion-Resistant, Cam-Action Latches Secure the Diffuser
- AWM, TFN or THHN Wire Used Throughout, Rated for Required Temperatures
- 120V, 277V and MVOLT are UL Listed and CSA Certified



#### Accessories

DDM48 (GBID 94001191) Replacement Diffuser 48 in.

| Mfg. No.               | Advanced ID     | Lamp Qty | Lamp Type | Lamp Wattage | Voltage   | Dimensions   | Ballast Qty | Ballast Type    |
|------------------------|-----------------|----------|-----------|--------------|-----------|--|-------------|-----------------|
| <b>Damp Location</b>   |                 |          |           |              |           |  |             |                 |
| DM 2 32 MVOLT GEB10IS  | <b>25027761</b> | 2        | F32T8     | 32W          | 120V-277V | 7 <sup>5</sup> / <sub>8</sub> x 5 <sup>5</sup> / <sub>8</sub> x 50 | 1           | Electronic IS * |
| <b>Wet Location</b>    |                 |          |           |              |           |  |             |                 |
| DMW 2 32 MVOLT GEB10IS | <b>22069237</b> | 2        | F32T8     | 32W          | 120V-277V | 8 <sup>1</sup> / <sub>8</sub> x 5 <sup>5</sup> / <sub>8</sub> x 50 | 1           | Electronic IS * |

\*Instant Start Ballast

## Enclosed and Gasketed Fiberglass Industrial

### Columbia Lighting

#### Benefits

- Non-Metallic Fiberglass Housing
- Fully Gasketed
- Wet Location Standard
- Molded ABS Thermoplastic Latches
- One Piece, Impact Resistant Acrylic Diffuser
- All Metal Parts Are Treated with Five Stage Phosphate Bonding
- UL Listed



| Mfg. No.          | Advanced ID     | Lamp Qty | Lamp Type | Lamp Wattage | Voltage   | Dimensions   | Ballast Qty | Ballast Type |
|-------------------|-----------------|----------|-----------|--------------|-----------|--|-------------|--------------|
| LUN4-232-EB8LHUNV | <b>22055404</b> | 2        | F32T8     | 32W          | 120V-277V | 7 <sup>9</sup> / <sub>16</sub> x 5 <sup>9</sup> / <sub>16</sub> x 49 <sup>13</sup> / <sub>16</sub> | 1           | Electronic * |

\* < 10% THD

## I-BEAM™

### Lithonia Lighting

I-BEAM™ fluorescent high bay is an excellent alternative to metal halide high bay lighting.

#### Benefits

- Operates at High Ambient Temperatures
- Five Year Warranty at 55°C and a Three Year at 65°C
- Saves Up to 50% in Energy Costs Over HID High Bay Fixtures
- Maintains Designed Light Levels Over the Life of the System
- C-UL Listed



| Mfg. No. | Advanced ID     | Lamp Qty | Lamp Type | Lamp Wattage | Voltage | Dimensions  | Ballast Qty | Ballast Type  |
|----------|-----------------|----------|-----------|--------------|---------|---|-------------|---------------|
| IB 454L  | <b>25053014</b> | 4        | T5HO      | 54W          | 120-277 | 48 <sup>3</sup> / <sub>8</sub> " x 17 <sup>5</sup> / <sub>8</sub> " x 4 <sup>3</sup> / <sub>8</sub> " | 1           | T5 Electronic |
| IB 654L  | <b>25053015</b> | 6        | T5HO      | 54W          | 120-277 | 48 <sup>3</sup> / <sub>8</sub> " x 17 <sup>5</sup> / <sub>8</sub> " x 4 <sup>3</sup> / <sub>8</sub> " | 2           | T5 Electronic |

### General-Purpose Industrials

#### Lithonia Lighting

For mounting heights up to 20 ft. requiring low to medium light levels. Ideal for light duty task lighting, aisles, warehousing, storage and retail.

Solid top reflector or 5% uplight is available. For unit or row installations, surface or suspended mounting.

#### Features

- Premium Gauge Channel Features Gripper-Back Design for Strength and Rigidity
- Sturdy Combination Reflector and Channel Cover Secured by Quarter-Turn Latch for Easy Access to Wire-Way
- Screw-On Endplates
- Accepts Plug-In Options for 1, 2 or 3 Primary Circuits
- High Gloss, Baked Enamel Finish Reflector Painted After Fabrication
- AWM, TFN or THHN Wire Used Throughout, Rated for Required Temperatures
- UL Listed. NOM Certified



| Mfg. No.                     | Advanced ID              | Lamp Qty | Lamp Type | Lamp Wattage | Voltage   | Dimensions                              | Ballast Qty | Ballast Type    |
|------------------------------|--------------------------|----------|-----------|--------------|-----------|---|-------------|-----------------|
| <b>Solid Reflector</b>       |                          |          |           |              |           |   |             |                 |
| EJS 2 96T8HO MVOLT CW20 ACNS | <a href="#">25063834</a> | 2        | F96T8     | 86W          | 120V-277V | 12 x 4 <sup>1</sup> / <sub>4</sub> x 96 | 1           | Electronic IS * |
| <b>5% Uplight</b>            |                          |          |           |              |           |   |             |                 |
| EJA 2 96T8HO MVOLT CW20 ACNS | <a href="#">25063957</a> | 2        | F96T8     | 86W          | 120V-277V | 12 x 4 <sup>1</sup> / <sub>4</sub> x 96 | 1           | Electronic IS * |

\*Instant start ballast from Advance, operates down to 20°F

### METALUX F-BAY Fluorescent High-Bay

#### Cooper Lighting

The METALUX F-BAY is the solution for high mounting height industrial or retail applications. The I5 Series optic has been optimized to provide maximum performance from T5 lamps. The HB Series optic provides excellent ceiling uniformity using either T5 or T8 lamps.

#### Benefits

- Meaningful Energy Reduction of 25-30% for Comparable Light Levels
- Superior Lumen Maintenance of 90-95% of Initial Light Output at End-Of-Life
- Extended Life 25,000 - 30,000 Hours (Based on 10 Hour Starts)
- Improved Color Rendering Over HID Systems (80-85 CRI)
- Improved Luminous Uniformity with Reduced Concentrated Direct Glare
- Instant Strike and Re-Strike Ability
- Cost Effective and Unlimited Dimming Capabilities
- More Flexible and Economic Controls and Emergency Options



#### Features

- UL/C-UL Listed. Suitable for Damp Locations

| Mfg. No.  | Advanced ID              | Lamp Qty | Lamp Type | Lamp Wattage | Voltage  | Dimensions   | Ballast Qty | Ballast Type    |
|---|--------------------------|----------|-----------|--------------|----------|--|-------------|-----------------|
| <b>HB Series - High Bay Industrial Luminaire</b>                              |                          |          |           |              |          |  |             |                 |
| <b>T5</b>   |                          |          |           |              |          |  |             |                 |
| HB-454T5-UNV-EBT1-U   | <a href="#">25025292</a> | 4        | T5HO      | 54W          | 120/277V | 48 x 15 <sup>7</sup> / <sub>16</sub> x 4 <sup>3</sup> / <sub>4</sub> | 1           | Electronic RS * |
| 2 HB-654T5-UNV-EBT2-UPL-U ‡   | <a href="#">25025293</a> | 6        | T5HO      | 54W          | 120/277V | 48 x 24 x 4 <sup>3</sup> / <sub>4</sub>                              | 2           | Electronic RS * |
| 2 HB-654T5-UNV-EBT2-U   | <a href="#">25025294</a> | 6        | T5HO      | 54W          | 120/277V | 48 x 24 x 4 <sup>3</sup> / <sub>4</sub>                              | 2           | Electronic RS * |
| 2HB-654T5-UNV-EBT3-U  | <a href="#">22117942</a> | 6        | T5HO      | 54W          | 120/277V | 48 x 24 x 4 <sup>3</sup> / <sub>4</sub>                              | 3           | Electronic RS * |
| <b>T8</b>   |                          |          |           |              |          |  |             |                 |
| 2 HB-632-UNV-EB82-U   | <a href="#">25025297</a> | 6        | F32T8     | 32W          | 120/277V | 48 x 24 x 4 <sup>3</sup> / <sub>4</sub>                              | 2           | Electronic IS † |
| <b>I5 Series - High Bay Retail / Light Industrial T5 w/ Thin White Baffle</b> |                          |          |           |              |          |  |             |                 |
| 8TI5-354T5-TBW-UNV-EBT3-UPL-U   | <a href="#">25025298</a> | 6        | T5HO      | 54W          | 120/277V | 96 x 11 x 4 <sup>15</sup> / <sub>16</sub>                            | 3           | Electronic RS * |

\* Rapid Start Ballast

† Instant Start Ballast

## Metalux Light Duty Industrial

### Cooper Lighting

Metalux Light Duty Industrials with sturdy, embossed reflectors that precisely direct and effectively control light.

#### Benefits

- Equipped with Energy Saving Ballast
- Complies with Federal Energy Efficiency Standards
- Die-Formed Channels
- Heavy Gauge Apertured Reflector

#### Features

- UL/C-UL Listed - Suitable for Damp Locations



| Mfg. No.            | Advanced ID     | Lamp Qty | Lamp Type | Lamp Wattage | Voltage  | Dimensions                              | Ballast Qty | Ballast Type    |
|---------------------|-----------------|----------|-----------|--------------|----------|---|-------------|-----------------|
| IC-232-UNV-EB81     | <b>99709345</b> | 2        | F32T8     | 32W          | 120/277V | 48 x 12 x 4 <sup>5</sup> / <sub>8</sub> | 1           | Electronic IS * |
| 8TIC-232-UNV-EB81 † | <b>22005380</b> | 4        | F32T8     | 32W          | 120/277V | 96 x 12 x 4 <sup>5</sup> / <sub>8</sub> | 2           | Electronic IS * |

\* Instant Start Ballast

† Tandem Fixture

## Metalux VT2 Industrial Vaportite

### Cooper Lighting

The VT2 Series is an energy efficient industrial vaportite fixture that features rugged and durable construction.

#### Benefits

- Equipped with Energy Saving Ballast
- Complies with Federal Energy Efficiency Standards
- Reinforced Fiberglass Housing
- High Impact Acrylic/DR Diffuser Material
- Continuous Polyurethane Gasketing Formed to Housing Provides a Seamless Seal
- Watertite Hubs Standard at Each End of the Fixture

#### Features

- UL Listed for Wet Locations (Standard)
- UL/C-UL Listed. Suitable for Damp Locations



| Mfg. No.                | Advanced ID     | Lamp Qty | Lamp Type | Lamp Wattage | Voltage  | Dimensions | Ballast Qty | Ballast Type    |
|-------------------------|-----------------|----------|-----------|--------------|----------|------------|-------------|-----------------|
| VT2-232DR-UNV-EB81-WL-U | <b>22016889</b> | 2        | F32T8     | 32W          | 120/277V | 48 x 7 x 5 | 1           | Electronic RS * |

\* Instant Start Ballast

## Standard Industrials

### Lithonia Lighting

For mounting heights up to 16 ft. requiring low to medium light levels. Ideal for light duty areas, utility, storage rooms or retail. For unit or row installations, surface or suspended mounting.

#### Features

- Sturdy Combination Reflector and Channel Cover Secured by Captive Quarter-Turn Latch for Easy Access to Wireway
- Combination Endplate/Channel Connector Supplied with Each Fixture
- High Gloss Backed White Enamel Finish
- Accepts Plug-Ins for 1, 2 or 3 Primary Circuits
- AWM, TFN or THHN Wire Used Throughout, Rated for Required Temperatures
- UL Listed. NOM Certified



| Mfg. No.                     | Advanced ID     | Lamp Qty | Lamp Type | Lamp Wattage | Voltage   | Dimensions  | Ballast Qty | Ballast Type    |
|------------------------------|-----------------|----------|-----------|--------------|-----------|-------------|-------------|-----------------|
| <b>Solid Reflector</b>       |                 |          |           |              |           |             |             |                 |
| L 2 32 MVOLT GEB10IS         | <b>95029986</b> | 2        | F32T8     | 32W          | 120V-277V | 12 x 4 x 48 | 1           | Electronic IS * |
| <b>8% Uplight</b>            |                 |          |           |              |           |             |             |                 |
| LA 2 32 MVOLT GEB10IS        | <b>25027809</b> | 2        | F32T8     | 32W          | 120V-277V | 12 x 4 x 48 | 1           | Electronic IS * |
| TLA 2 32 MVOLT 1/4 GEB10IS † | <b>25027817</b> | 4        | F32T8     | 32W          | 120V-277V | 12 x 4 x 96 | 1           | Electronic IS * |

\* Instant Start Ballast

† Tandem Fixture



### Lumark 15 in. Steeler High-Bay Industrial Luminaire

#### Cooper Lighting

The Steeler combines computerized design, durable cold-rolled steel and a field-adjustable reflector to provide a degree of versatility.

#### Benefits

- Heavy-Duty Formed Steel Housing with an Open Air Ballast for Cooler Operation
- Computer Designed, Field Adjustable Reflector Mounts Easily and Allows Multiple Distribution Patterns for Precise Control
- Universal Ladder Brackets Allow for the Flexibility to Change Out with Other Reflectors

#### Features

- Easy Slide-On Die-Cast Aluminum Mounting Box with Tapped Opening for  $\frac{3}{4}$  in. Conduit
- High Power Factor Ballast with Class H Insulation
- Minimum Starting Temperature is  $-20^{\circ}\text{F}$
- Mogul Based Porcelain Socket
- Approximate Net Weight - 30 lb
- UL Listed and Labeled for Damp Location
- CSA Certified
- 5 Tap Ballast



| Mfg. No.  | Advanced ID              | Voltage                         | Reflector Type         | Lamp Wattage | Lamp Type    | Dimensions                   |
|-----------|--------------------------|---------------------------------|------------------------|--------------|--------------|------------------------------|
| MHSS40-5T | <a href="#">99707071</a> | 120/208/240/277/480V wired 277V | Anodized Spun Aluminum | 400W         | Metal Halide | 15W x 24 $\frac{1}{8}$ H in. |

### Lumark Enterprise 22 in. Industrial Low-Bay

#### Cooper Lighting

The Enterprise 22 industrial low-bay luminaire combines a round, faceted reflector with an injection-molded lens to provide an efficient, symmetrical beam pattern.

#### Benefits

- Heavy-Duty Formed Steel Housing with an Open Air Ballast for Cooler Operation
- Enclosed and Gasketed Optics Seal Out Dirt and Other Contaminants
- Computer Designed, Faceted Reflector Provides Maximum Photometric Performance
- Trunk Latches Secure the Reflector to the Housing, Allowing Tool-Less Entry, While Internal Hangers Hold Reflector/Reflector for Hands-Free Relamping

#### Features

- Easy Slide-On Die-Cast Aluminum Mounting Box with Tapped Opening for  $\frac{3}{4}$  in. Conduit
- Finished in White Polyester Powder Coat
- High Power Factor Ballast with Class H Insulation
- Minimum Starting Temperature is  $-20^{\circ}\text{F}$
- Mogul Based Porcelain Socket
- Approximate Net Weight - 32 lb
- UL Listed and Labeled for Damp Location
- CSA Certified



| Mfg. No. | Advanced ID              | Lamp Wattage | Lamp Type    | Dimensions  | Voltage                | Reflector Type |
|----------|--------------------------|--------------|--------------|-------------|------------------------|----------------|
| FM40     | <a href="#">99703710</a> | 400W         | Metal Halide | 26 x 22 in. | 120/208/240 wired 277V | Acrylic        |
| FM25     | <a href="#">99703709</a> | 250W         | Metal Halide | 26 x 22 in. | 120/208/240 wired 277V | Acrylic        |

## Champ® FMV Series HID Floodlights

Cooper Crouse-Hinds

Used to light outdoor industrial applications for security and safety lighting, in marine and wet locations, and in locations where the damaging effects of rain, snow, wind, dirt and other contaminants are present.

### Features

- Available in a Variety of Light Sources and Wattages
- Multi-Tap Ballasts are Standard
- Door Frame Assembly is Hinged and has Captive Cover Screws for Ease of Relamping
- Silicone Rubber Gaskets are Standard
- NEMA 7 x 6 Beam Spread is Ideal for Most Industrial Floodlighting Requirements



| Mfg. No.                    | Advanced ID | Voltage     | Lamp Wattage | Lamp Type | Fixture Type |
|-----------------------------|-------------|-------------|--------------|-----------|--------------|
| <b>High Pressure Sodium</b> |             |             |              |           |              |
| FMVSY150/MT-76              | 95013839    | Multi-Tap * | 150W         | HID       | Floodlight   |
| FMVSY250/MT-76              | 91008842    | Multi-Tap * | 250W         | HID       | Floodlight   |
| FMVSY400/MT-76              | 91008843    | Multi-Tap * | 400W         | HID       | Floodlight   |
| <b>Metal Halide</b>         |             |             |              |           |              |
| FMVMY175/MT-76              | 96069016    | Multi-Tap * | 175W         | HID       | Floodlight   |
| FMVMY250/MT-76              | 96037887    | Multi-Tap * | 250W         | HID       | Floodlight   |
| FMVMY400/MT-76              | 94039759    | Multi-Tap * | 400W         | HID       | Floodlight   |
| <b>Mercury Vapor</b>        |             |             |              |           |              |
| FMVCY175/MT-76              | 96069010    | Multi-Tap * | 175W         | HID       | Floodlight   |
| FMVCY250/MT-76              | 96069011    | Multi-Tap * | 250W         | HID       | Floodlight   |
| FMVCY400/MT-76              | 96069012    | Multi-Tap * | 400W         | HID       | Floodlight   |

\* 120, 208, 240 or 277V; wired for 277V operation

### Champ® Series HID Lighting Fixtures

Cooper Crouse-Hinds



VMV Wall Mount



DMV Ceiling Mount

#### Features

- Cast Copper-Free Aluminum Construction and Epoxy Powder Finish Provide Excellent Resistance to Corrosion
- Features Hinged Ballast Housing for Ease of Installation and Maintenance
- Superior Gasketing Seals Between all Components for Optimum Performance in Wet and Corrosive Environments
- Includes Rugged Cast-Aluminum Guard (VMV) or Stainless Steel Guard (DMV)

| Mfg. No.   | Advanced ID | Voltage    | Lamp Wattage | Lamp Type    | Fixture Type       |
|--|-------------|------------|--------------|--------------|--------------------|
| <b>VMV Series HID Luminaires with G24 Globe and P21 Guard</b>  |             |            |              |              |                    |
| VMVM2A100GP/MT   | 94041247    | Multi-Tap* | 100W         | Metal Halide | Pendant Mount      |
| VMVS2A100GP/MT   | 90085091    | Multi-Tap* | 100W         | HPS          | Pendant Mount      |
| VMVM2A175GP-MT   | 90013967    | Multi-Tap* | 175W         | Metal Halide | Pendant Mount      |
| VMVM2C100GP/MT   | 22125081    | Multi-Tap* | 100W         | Metal Halide | Ceiling, Thru-Feed |
| VMVS2C070GP/MT   | 97144110    | Multi-Tap* | 70W          | HPS          | Ceiling, Thru-Feed |
| VMVS2A070GP/MT   | 90085090    | Multi-Tap* | 70W          | HPS          | Pendant Mount      |
| VMVMJ175GP/120   | 92134047    | 120V       | 175W         | Metal Halide | Stanchion          |
| VMVSJ150GP/MT  | 90013968    | Multi-Tap* | 150W         | HPS          | Stanchion          |
| VMVS2TW150GP/120   | 88076048    | 120V       | 150W         | HPS          | Wall, Thru-Feed    |
| VMVS2TW070GP/MT  | 22128368    | Multi-Tap* | 70W          | HPS          | Wall, Thru-Feed    |
| VMVS2TW100GP/MT  | 98398006    | Multi-Tap* | 100W         | HPS          | Wall, Thru-Feed    |
| VMVM2TW175GP/MT  | 97144114    | Multi-Tap* | 175W         | Metal Halide | Wall, Thru-Feed    |
| <b>DMV Series HID Luminaires with G303 Globe and P33 Guard</b> |             |            |              |              |                    |
| DMVM2A100GP/MT   | 92118055    | Multi-Tap* | 100W         | Metal Halide | Pendant Mount      |
| DMVS2A100GP/MT   | 22128782    | Multi-Tap* | 100W         | HPS          | Pendant Mount      |

\* 120, 208, 240 or 277V

### EVI Series Explosion-proof Factory Sealed Incandescent Luminaires

Cooper Crouse-Hinds

Used in indoor and outdoor heavy process industries where flammable or explosive vapors, gases or combustible dusts are present.

#### Features

- Ambient Suitability to 65°C
- Type 4X Marine Outdoor Locations
- Factory Sealed - No External Seals Required
- Quick Connect - Fixture Threads Onto the Mounting Module for Easy Installation
- Silicone Gaskets Seal Out Dirt and Moisture
- Epoxy Powder Coat for Corrosion Resistance



| Mfg. No.  | Advanced ID | Voltage | Lamp Wattage | Lamp Type    | Fixture Type    |
|---|-------------|---------|--------------|--------------|-----------------|
| <b>EVI 301 Series Medium Base - PS25 with EV505 Guard</b> |             |         |              |              |                 |
| EVI A2301   | 22114736    | 120V    | 300W         | Incandescent | Pendant Mount   |
| EVI C2301   | 22105785    | 120V    | 300W         | Incandescent | Ceiling Mount   |
| EVI B2301   | 22106027    | 120V    | 300W         | Incandescent | Bulkhead Mount  |
| EVI 301   | 25013172    | 120V    | 300W         | Incandescent | No Mount Module |

## Vaporgard™ Incandescent Luminaires

Cooper Crouse-Hinds



Vaporgard Pendant Mount



Vaporgard Stanchion Mount

Used indoor and outdoor in industrial locations where enclosed and gasketed fixtures are required.

### Features

- Designed to Exclude Dirt, Moisture and Corrosive Vapors from the Interior of the Luminary and the Conduit System
- No Screws to Remove as the Shock Absorbing Socket Strap is Keyhole Slotted and Removes Quickly for Ease of Wiring
- Glass-Globe-Guard Assembly is Installed and/or Removed as a Unit, Making it Necessary to Handle Only One Piece in Relamping
- Shock Absorbing Medium Base Lamp Socket
- Configured Glass Globe has Vertical Fluting and Stippled Bottom Which Provides for More Even Light Distribution and Glare Elimination

| Mfg. No.   | Advanced ID              | Voltage | Lamp Wattage         | Lamp Type    | Fixture Type |
|------------|--------------------------|---------|----------------------|--------------|--------------|
| VDA25GP    | <a href="#">88075051</a> | 120V    | 150W A-21            | Incandescent | Pendant      |
| VDA22GP    | <a href="#">88075037</a> | 120V    | 200W A-23            | Incandescent | Pendant      |
| VDA23GP    | <a href="#">88075044</a> | 120V    | 300W PS-25 and PS-30 | Incandescent | Pendant      |
| VDC25GP    | <a href="#">88075169</a> | 120V    | 150W A-21            | Incandescent | Thru-Feed    |
| VDC22GP    | <a href="#">88075155</a> | 120V    | 200W A-23            | Incandescent | Thru-Feed    |
| VDC23GP    | <a href="#">88075162</a> | 120V    | 300W PS-25 and PS-30 | Incandescent | Thru-Feed    |
| VXHF25GP*  | <a href="#">88076205</a> | 120V    | 150W A-21            | Incandescent | Ceiling      |
| VXHF22GP*  | <a href="#">88076191</a> | 120V    | 200W A-23            | Incandescent | Ceiling      |
| VXHF23GP*  | <a href="#">88076198</a> | 120V    | 300W PS-25 and PS-30 | Incandescent | Ceiling      |
| VXHT25GP   | <a href="#">88076248</a> | 120V    | 150W A-21            | Incandescent | Wall         |
| VXHT22GP   | <a href="#">88076242</a> | 120V    | 200W A-23            | Incandescent | Wall         |
| VXHT23GP   | <a href="#">88076245</a> | 120V    | 300W PS-25 and PS-30 | Incandescent | Wall         |
| VXHBF25GP* | <a href="#">88076160</a> | 120V    | 150W A-21            | Incandescent | Wall         |
| VXHBF22GP* | <a href="#">88076154</a> | 120V    | 200W A-23            | Incandescent | Wall         |
| VXHBF23GP* | <a href="#">88076157</a> | 120V    | 300W PS-25 and PS-30 | Incandescent | Wall         |

<sup>3</sup>/<sub>4</sub> inch listed - other hub sizes are available

\* With Junction Box

### EZ-2R™ Series Low-profile Recessed Unit

#### Dual-Lite

The Dual-Lite EZ-2R is an architecturally styled, completely self-contained emergency lighting unit designed for low-profile recessed mounting in walls or ceilings. Unit electronics include a fully automatic, solid-state charger with low-voltage battery disconnect circuit, a test switch and a charge rate pilot lamp. The unit's maintenance-free battery is securely fastened within the metal back box. The EZ-2R unit may be easily recessed in standard construction walls or suspended type ceilings.



#### Benefits

- Spectron Self-Test/Self-Diagnostics Provide Visual Indication of AC Power Status, Self-Diagnostics Test Cycles, and Unit Malfunctions

#### Features

- 90-Minutes of Path of Egress Illumination During Emergency Power-Outage Conditions
- All Electronics are Attached to the Lamp Head Mounting Plate for Easy Installation
- Lamp Head Assemblies are Fully Directional and Easily Adjusted
- Two Adjustable Heads
- Thermoplastic Lamp Housings and Mounting Plate in a White Finish
- Snap Together Construction
- Universal Mounting Plate
- Test Switch, AC-On Indicator
- 120/277 VAC

#### Accessories

F-CBM Troffer Mounting Kit (Suspended Ceilings) GBID: 88084356

| Mfg. No. | Advanced ID     | Lamp Wattage | Lamp Voltage | Lamp Type  |
|----------|-----------------|--------------|--------------|------------|
| EZ-2R    | <b>88084338</b> | 5.4W         | 6V DC        | PAR 36 SBT |
| EZ2R-I * | <b>90012663</b> | 7.2W         | 6V DC        | PAR 36 SBT |

\* Spectron self-testing/self-diagnostic unit.

### EZ-2™ Self-contained Unit

#### Dual-Lite

The Dual-Lite EZ-2 is a unique and efficient self-contained emergency lighting unit designed to meet a variety of needs. It is constructed of injection-molded, flame-rated thermoplastic. The electronics assembly includes a solid-state charger with a low-voltage battery disconnect circuit, and a combination test switch and charge rate indicator.



#### Features

- 90-Minutes of Path of Egress Illumination During Emergency Power-Outage Conditions
- Lamp Heads and a Fully Directional Swivel Are Injection-Molded Thermoplastic
- Two Adjustable Heads
- Textured White Finish
- Snap Together Construction
- Universal Mounting Plate
- Test Switch, AC-On Indicator
- 120/277V AC

| Mfg. No. | Advanced ID     | Lamp Wattage | Lamp Voltage | Lamp Type  |
|----------|-----------------|--------------|--------------|------------|
| EZ-2     | <b>88084337</b> | 5.4W         | 6V DC        | PAR 36 SBT |
| EZ2-I *  | <b>89086357</b> | 7.2W         | 6V DC        | PAR 36 SBT |

\* Spectron self-testing/self-diagnostic unit

### Liteforms® LZ Series - Low Profile

#### Dual-Lite



Low-profile, easy to install emergency lighting unit featuring high-output halogen lamps. Provide 90-minutes of path of egress illumination during emergency power-outage conditions.

#### Features

- 90-Minute Emergency Operation
- Snap Together Construction
- 120/277V AC

| Mfg. No.  | Advanced ID     | Lamp Wattage | Lamp Voltage | Lamp Type     |
|-----------|-----------------|--------------|--------------|---------------|
| LZ2-B ‡   | <b>97129283</b> | 5W           | 6V DC        | MR-16 Halogen |
| LZ-2I †   | <b>98306444</b> | 5W           | 6V DC        | MR-16 Halogen |
| LZ2DI * † | <b>99544695</b> | 5W           | 6V DC        | MR-16 Halogen |

\* Damp Location Rated

† Spectron Self-Testing/Self-Diagnostic Unit

‡ Black

## Quantum® Emergency Lighting Units

Lithonia Lighting



ELM



ELM2

White, compact low profile contemporary design with high-impact thermoplastic housing that is impact-resistant, scratch-proof, corrosion-proof, and UV-stable to resist discoloration from artificial light sources or sunlight.

### Features

- Maintenance-Free Lead-Calcium Battery
- Two 5.4W Wedge-Based Krypton Lamps Offer 32% More Light Output than Standard Incandescent Lamps
- Patent-Pending MR24, Multi-Faceted Reflector Significantly Improves Photometric Performance - 60% to 100% More Light Delivered to the Path of Egress
- Unique Track-and-Swivel Arrangement Permits Full Range of Direction of Lamp Head Adjustment (Except ELM)
- Quick-Mount® Snap-Together Construction Permits Installation in Three Easy Steps in Less Than Three Minutes (ELM/ELM2). Wall or Ceiling Mounted
- Quantum Series ELM618 and ELM1254 Will Power a Variety of Remote Devices Up to Rated Wattage of Fixture
- 120V - 277V

| Mfg. No.                              | Advanced ID     | Lamp Wattage | Lamp Voltage | Lamp Type |
|---------------------------------------|-----------------|--------------|--------------|-----------|
| <b>Fixed Optics</b>                   |                 |              |              |           |
| ELM                                   | <b>92116396</b> | 5.4          | 6V           | Krypton   |
| <b>Adjustable Optics</b>              |                 |              |              |           |
| ELM2 ‡                                | <b>90002000</b> | 5.4          | 6V           | Krypton   |
| ELM618 * †                            | <b>88320419</b> | 9.0          | 6V           | Krypton   |
| ELM1254 * †                           | <b>90014382</b> | 9.0          | 12V          | Krypton   |
| *50 or 60 Hz                          |                 |              |              |           |
| † Remote Capable - High Capacity Unit |                 |              |              |           |
| ‡ Self-Diagnostic Unit                |                 |              |              |           |

## Sure-Lites® CU2 Emergency Lighting Unit

Cooper Lighting



The CU2 Emergency Lighting Unit is an economic, yet attractive, alternative to standard two-headed emergency lighting units. All components snap together to facilitate installation in 2 minutes or less. Cutout provided in housing for surface conduit attachment. Keyhole mounting slots.

### Benefits

- UL 924 Listed
- Life Safety NFPA 101
- NEC/OSHA, Most State and Local Codes
- ADA Compliant - Suitable for Floor Proximity
- CSA Certified, Damp Location Listed Standard

### Features

- Line-Latching, Solid State Voltage Limited Charger
- Solid-State Switching
- Low-Voltage Disconnect, Brownout Circuit
- Overload, Short-Circuit Protection
- Test Switch/Power Indicator Light
- Full Recharge Time, 24 Hrs. Polarized Battery Terminals
- Lenses are Designed to Distribute Light Forward and Down Towards Path of Egress

| Mfg. No. | Advanced ID     | Lamp Wattage | Lamp Voltage | Lamp Type    |
|----------|-----------------|--------------|--------------|--------------|
| CU2      | <b>99563914</b> | (2) 5.4      | 6            | Incandescent |

## Sure-Lites® Polycarbonate Emergency Light

Cooper Lighting



The CC Series Contractor's Choice Emergency Lighting Unit is the ideal choice where simple installation and a thermoplastic housing are demanded. The components are injection molded from tough polycarbonate materials which resist discoloration due to age and ultraviolet light.

### Features

- Line-Latching, Solid State Voltage Limited Charger
- Solid-State Switching
- Low-Voltage Disconnect, Brownout Circuit
- Overload, Short-Circuit Protection
- Test Switch/Power Indicator Light
- Injection Molded, Color-Stable UL-94-5V Rated Polycarbonate Housing and Mounting Plate

### Certifications

- UL 924 Listed
- Life Safety NFPA 101
- NEC/OSHA, Most State and Local Codes
- CSA Certified

| Mfg. No. | Advanced ID     | Lamp Wattage | Lamp Voltage | Lamp Type               |
|----------|-----------------|--------------|--------------|-------------------------|
| CC5-WH   | <b>96088556</b> | 9W           | 6V DC        | Incandescent Wedge Base |



### Sure-Lites® Polycarbonate Emergency Light

#### Cooper Lighting

The CC Series Contractor's Choice Emergency Lighting Unit is an economic, yet attractive alternative to standard two-headed emergency lighting units.



#### Features

- Line-Latching, Solid State Voltage Limited Charger
- Solid-State Switching
- Low-Voltage Disconnect, Brownout Circuit
- Overload, Short-Circuit Protection
- Test Switch/Power Indicator Light
- Both Lighting Heads have Total Horizontal and Vertical Adjustability
- Damp Location Listed Standard
- Injection Molded, Color-Stable UL-94-5V Rated Polycarbonate Housing and Mounting Plate

#### Certifications

UL 924 Listed  
Life Safety NFPA 101  
NEC/OSHA, Most State and Local Codes  
CSA Certified  
NOM Certified

| Mfg. No. | Advanced ID | Lamp Wattage | Lamp Voltage | Lamp Type    |
|----------|-------------|--------------|--------------|--------------|
| CC2      | 94002520    | 5.4          | 6            | Incandescent |

### Sure-Lites® Steel Emergency / Exit Signs

#### Cooper Lighting

The UNH Series Exits offer a self-powered emergency exit for emergency lighting needs. During the emergency mode, the exit has sufficient capacity to power the exit as well as the emergency lighting heads for 90 minutes. An extensive range of field installed accessories, choice of faces and the variety of mounting configurations permit the tailoring of the basic exit for almost any application.



#### Features

- Line-Latching, Solid State Voltage Limited Charger
- Solid-State Switching
- Low-Voltage Disconnect, Brownout Circuit
- Overload, Short-Circuit Protection
- Test Switch/Power Indicator Light
- 20 Gauge Steel Housing
- Knockouts for Chevron Directional Indicators

#### Certifications

UL 924 Listed  
Life Safety NFPA 101  
NEC/OSHA, Most State and Local Codes

| Mfg. No.  | Advanced ID | Lamp Wattage | Lamp Voltage | Lamp Type    |
|-----------|-------------|--------------|--------------|--------------|
| UNH1SRWDH | 89032678    | 46W          | 6            | Incandescent |

### Sure-Lites® XR12208 Remote Capacity Double Head Emergency Light

#### Cooper Lighting

The XR Series is an efficient, rugged, commercial grade product designed for the demands of emergency lighting applications. The XR Series has the extra capacity to power remote heads for added application flexibility.



#### Features

- Line-Latching, Solid State Voltage Limited Charger
- Solid-State Switching
- Low-Voltage Disconnect, Brownout Circuit
- Overload, Short-Circuit Protection
- Test Switch/Power Indicator Light
- Full Recharge Time, 24 Hrs. Polarized Battery Terminals
- Lenses are Designed to Distribute Light Forward and Down Towards Path of Egress

#### Certifications

UL 924 Listed  
Life Safety NFPA 101  
NEC/OSHA, Most State and Local Codes  
ADA Compliant - Suitable for Floor Proximity  
CSA Certified, Damp Location Listed Standard

| Mfg. No. | Advanced ID | Lamp Wattage | Lamp Voltage | Lamp Type    |
|----------|-------------|--------------|--------------|--------------|
| XR12208  | 90061863    | (2) 5.4      | 12           | Incandescent |

### LED Exit - Unit Combo

#### EXITRONIX

Contractor friendly design incorporates internal channels for easy wire routing and clean installation eliminating any obstructions on the face. Manufactured of high-grade, UV-stable polycarbonate.



#### Benefits

- Exclusive Low-Profile Design Allows Form Mounting Above Doors
- Supplied with Two Exit Faces and a Canopy
- 6 Volt, 5.4 Watt High Intensity Tungsten Lamps
- Heads Rotate 180°
- 90 Minute ETL Listed Emergency Run Time
- Overcharge Protected Ni-Cad Battery
- Low Voltage Disconnect Prevents Deep Discharge of Battery
- Damp Location Rated
- 120/277V AC

| Mfg. No.                  | Advanced ID | Letter Color | Lamp Type |
|---------------------------|-------------|--------------|-----------|
| VEX/U/BP/WB/WH/EL-90      | 99770896    | Red          | LED       |
| VEX/U/BP/WB/WH/EL90-G2 *  | 22122468    | Red          | LED       |
| GVEX/U/BP/WB/WH/EL90-G2 * | 22122469    | Green        | LED       |

\* Self Test / Self-Diagnostics

## LED Exit Sign

### EXITRONIX

Contractor friendly design incorporates internal channels for easy wire routing and clean installation eliminating any obstructions on the face. Manufactured of high-grade, UV-stable polycarbonate.



### Benefits

- Easy to Install, Completely Universal LED Exit Sign
- Supplied with Two Exit Faces and a Canopy
- Overcharge Protected Ni-Cad Battery

### Features

- Damp Location Rating is Standard
- Overcharge Protected
- Low Voltage Disconnect Prevents Deep Discharge of Battery
- Brown-Out Protected
- White Finish
- Internal Wire Routing Channels for Clean Installation
- 120/277V AC

| Mfg. No.             | Advanced ID | Letter Color | Lamp Type |
|----------------------|-------------|--------------|-----------|
| VEX/U/BP/WB/WH       | 99770895    | Red          | LED       |
| GVEX/U/BP/WB/WH      | 22067921    | Green        | LED       |
| VEX/U/BP/WB/WH-G2 *  | 22122321    | Red          | LED       |
| GVEX/U/BP/WB/WH-G2 * | 22122324    | Green        | LED       |

\* Self Test / Self-Diagnostics

## LiteForms Combination Emergency Unit/LED Exit Sign Series

### Dual-Lite

Low-profile, easy to install emergency lighting unit/exit sign tandem models feature high-output halogen lamps. White thermoplastic housing with internal battery back-up.



### Features

- 90-Minute Emergency Operation
- Premium Grade, Maintenance-Free, Lead-Acid Battery
- Adjustable MR16 - 5 Watt Halogen Lamp Heads
- Wall or Ceiling Mount, End Mount Requires Optional Kit, FTSMKW (Double Face Installations, End or Ceiling Mount Only)
- 120/277V AC

### Optional Remote Head:

OMSSBO605

Outdoor - Gasketed Remote Head, 1-Lamp, 6V, 5-Watt, Incandescent, "Normally Off" Operation, Black Head, Includes Mounting Plate

| Mfg. No. | Advanced ID | Letter Color | Lamp Type |
|----------|-------------|--------------|-----------|
| LTURW    | 97184680    | Red          | Halogen   |
| LTURW3 * | 97184679    | Red          | Halogen   |

\* Remote Capable. Operates Unit Heads Plus One Additional 5 Watt Lighting Fixture or Exit Sign.

## LiteForms LED Exit Sign

### Dual-Lite

Low-profile, easy to install thermoplastic exit signs featuring energy-saving, long-life LED lamps.

### Features

- Universal Single or Double Face
- 2-Hour Emergency Operation
- Maintenance-Free Nicad Battery
- Solid State Charger
- Universal End, Wall or Ceiling Mount
- White Housing
- Snap-Together Construction
- Damp Location Listed
- 120/277V AC



| Mfg. No. | Advanced ID | Letter Color | Lamp Type |
|----------|-------------|--------------|-----------|
| LXURWE   | 96085692    | Red          | LED       |
| LXUGWE   | 96092257    | Green        | LED       |

## Quantum® Exit - Unit Combo

### Lithonia Lighting

Quick-Mount installation. Snap together design allows for installation in less than three minutes. Precision-molded thermoplastic housing is impact and scratch resistant, corrosion proof and UV-stabilized to resist discoloration. Universal mounting capability (HQM top and back only) and replaceable chevron directional indicator knockouts for choice of direction make this exit sign extremely versatile. Sealed, maintenance-free, lead calcium battery. Two 5.4 watt heads.



### Features

- 120V/277V

| Mfg. No.                     | Advanced ID | Letter Color | Lamp Type    |
|------------------------------|-------------|--------------|--------------|
| <b>Single Face</b>           |             |              |              |
| HQM-SW1R-120/277             | 90079394    | Red          | Incandescent |
| LHQM-SW1R-120/277            | 96008046    | Red          | LED          |
| <b>Single or Double Face</b> |             |              |              |
| HQMSW3R120/277               | 96007075    | Red          | Incandescent |
| HQM-SW3G-120/277             | 95078209    | Green        | Incandescent |
| LHQM-SW3R-120/277            | 96046335    | Red          | LED          |
| LHQM-SW3G-120/277            | 97231461    | Green        | LED          |

### Quantum® Thermoplastic Exit Fixtures

#### Lithonia Lighting

Quick-Mount installation. Snap together design allows for installation in less than three minutes. Precision-molded thermoplastic housing is impact and scratch resistant, corrosion proof and UV-stabilized to resist discoloration. Universal mounting capability and replaceable chevron directional indicator knockouts for choice of direction make this exit sign extremely versatile.



#### Features

- 120V/277V

| Mfg. No.   | Advanced ID     | Letter Color | Lamp Type    |
|--|-----------------|--------------|--------------|
| <b>No battery. Single or Double Face</b>                                   |                 |              |              |
| LQMSW3G-120/277  | <b>95030021</b> | Green        | LED          |
| LQMSW3R-120/277  | <b>94023481</b> | Red          | LED          |
| QM-SW3R-120 †  | <b>96071913</b> | Red          | Incandescent |
| <b>Sealed maintenance free lead Calcium battery, Single or Double Face</b> |                 |              |              |
| LQM-S3R—120/277-ELN*   | <b>97250374</b> | Red          | LED          |
| LQM-SW3G-120/277-EL-N  | <b>96066386</b> | Green        | LED          |
| QM S W 3 R 120/277 EL  | <b>92105458</b> | Red          | Incandescent |

\* Black housing

† 120 VAC only

### Signature® Exit

#### Lithonia Lighting

Signature LED exit signs are ideal for applications requiring attractive exit signs and low energy consumption. Matte black housing with brushed aluminum face except where noted.



#### Benefits

- A Standard Red LED Exit Consumes Only .73 Watts of Electricity at 120 Volts
- LEDs Provide Uniform Graphics Illumination. Meets 3/4" Letter Stroke Requirements. Maintains 100% Brightness in Emergency Mode.
- Long-Life LEDs Feature Very Low Energy Consumption and Rated Life Up to 25 Years

#### Features

- Completely Concealed Chevron Directional Indicator Knockouts and Mounting Hardware
- Emergency Exits Contain Maintenance-Free Nickel-Cadmium Battery and Reliable, Solid-State Charging System
- Universal Mounting – Top, Back or End. Double Face Available with Top or End Mounting Only (Canopy Included)
- 120V/277V

| Mfg. No.                                       | Advanced ID     | Letter Color | Lamp Type |
|--|-----------------|--------------|-----------|
| <b>No battery</b>                              |                 |              |           |
| LE-S1R-120/277                                 | <b>95076947</b> | Red          | LED       |
| <b>Maintenance free Nickel-cadmium battery</b> |                 |              |           |
| LE-S2R-120/277-ELN *                           | <b>97202280</b> | Red          | LED       |
| LE-SW1R-120/277-ELN †                          | <b>95048855</b> | Red          | LED       |
| LE-S1R-120/277-ELN                             | <b>96080392</b> | Red          | LED       |
| LLE-S1G-120/277-ELN                            | <b>97227248</b> | Red          | LED       |

\* Double face

† White housing

### Sure-Lites® LPX Polycarbonate LED Self-Powered Exit Sign

#### Cooper Lighting

The LPX Series Exit is an economical, yet attractive alternative to metal exit signs.



#### Features

- Line-Latching, Solid State Voltage Limited Charger
- Solid-State Switching
- Low-Voltage Disconnect, Brownout Circuit
- Overload, Short-Circuit Protection
- Test Switch/Power Indicator Light
- Fully Charged in 24 hrs.
- All Components are Injection Molded Polycarbonate
- Molded-In Wireways Facilitate Internal Wire Routing and Connections
- Suitable for Floor Proximity

#### Certifications

UL 924 Listed

Life Safety NFPA 101

NEC/OSHA, Most State and Local Codes

| Mfg. No.     | Advanced ID     | Letter Color | Lamp Type                       |
|--------------|-----------------|--------------|---------------------------------|
| LPX70RWH     | <b>97191522</b> | Red          | LED                             |
| LPX70GWH     | <b>97221487</b> | Green        | LED                             |
| LPX70RWHDH * | <b>99431383</b> | Red          | LED / (2)<br>Incandescent Heads |

\* Double Heads

## Gotcha! Outdoor Sensors

RAB Lighting



GT500



GT500R

### Benefits

- 500 Watt Switching Capacity
- 6000 Volt Surge Protection
- Temperature Compensation
- Protected Manual Override with Auto Reset
- Auto Test Logic
- Double Look Down Lens
- 5 Year Warranty
- 120 VAC

| Mfg. No.  | Advanced ID              | Detection Area                      | Color  |
|---|--------------------------|-------------------------------------|--------|
| <b>Sensor</b>                                       |                          |                                     |        |
| GT500   | <a href="#">94018354</a> | 110° - 50 ft. forward x 70 ft. wide | Bronze |
| GT500W  | <a href="#">99432636</a> | 110° - 50 ft. forward x 70 ft. wide | White  |
| <b>Twin 150 watt PAR38 (Medium Base) Flood Kits</b> |                          |                                     |        |
| GT500R  | <a href="#">90005494</a> | 110° - 50 ft. forward x 70 ft. wide | Bronze |
| GT500RW   | <a href="#">98407832</a> | 110° - 50 ft. forward x 70 ft. wide | White  |

Lamps not included with kits

## Luminator Outdoor Sensors

RAB Lighting



LS300



LU300W

### Benefits

- Floods and Sensor have Universal Ball Swivels for Easy Tool-Less Adjustment
- 300 Watt Switching Capacity
- Manual Override
- Fully Adjustable Positioning
- Tough Vandal Resistant Lens and Grill
- Auto Test Logic
- Corrosion-proof, Weatherproof, Non-Metallic Case
- 120 VAC

### Kits:

Pre-Wired for Ease of Installation

Both Floods and Sensor have Universal Ball Swivels for Easy Tool-Less Adjustment

Lamps Not Included

| Mfg. No.  | Advanced ID              | Detection Area                      | Color  |
|---|--------------------------|-------------------------------------|--------|
| <b>Sensor</b>                                       |                          |                                     |        |
| LS300   | <a href="#">97220791</a> | 110° - 50 ft. forward x 70 ft. wide | Bronze |
| LS300W  | <a href="#">97229907</a> | 110° - 50 ft. forward x 70 ft. wide | White  |
| <b>Twin 150 watt PAR38 (Medium Base) Flood Kits</b> |                          |                                     |        |
| LU300   | <a href="#">96046316</a> | 110° - 50 ft. forward x 70 ft. wide | Bronze |
| LU300W  | <a href="#">96046317</a> | 110° - 50 ft. forward x 70 ft. wide | White  |

### Stealth Outdoor Sensors

RAB Lighting



STL110W



STL200W

Excellent for building perimeter protection.

#### Features

- 1000 Watt Switching Capacity
- Temperature Compensation
- Radio Frequency Immunity
- 6000 Volt Surge Protection
- Quick Test Time
- Auto Test Logic
- Color Matched Vandal Resistant Lens and Grill
- Protected Manual Override with Auto Reset
- LED Detection & "On Guard" Indicator
- 120 VAC

| Mfg. No. | Advanced ID     | Detection Area                       | Color  |
|----------|-----------------|--------------------------------------|--------|
| STL110   | <b>96000370</b> | 110° - 50 ft. forward x 70 ft. wide  | Bronze |
| STL110W  | <b>96000357</b> | 110° - 50 ft. forward x 70 ft. wide  | White  |
| STL200   | <b>96000369</b> | 200° - 30 ft. forward x 100 ft. wide | Bronze |
| STL200W  | <b>96000368</b> | 200° - 30 ft. forward x 100 ft. wide | White  |

Blinders on the Stealth 200 allow customization of detection zone.

### Super Stealth 360 Sensor / Quartz Flood Kits

RAB Lighting

Super Stealth 360 sensor with 2 powerful detectors that combine to give the Stealth 180° long forward range plus superb 360° motion detection below and to the sides. Evening timer keeps lights on for 0-8 hours after dusk, then sensor reverts to motion activation until dawn.



#### Features

- 1000 Watt Switching Capacity
- Temperature Compensated
- Radio Frequency Immunity
- 6000 Volt Surge Protection
- Quick Test Time
- Auto Test Logic
- Color Matched Vandal Resistant Lens and Grill
- Protected Manual Override with Auto Reset
- Scanning LEDs
- 120 VAC

#### Kits:

Pre-Wired and Pre-Assembled on CU4 Coverplate  
Unique Flood Pan Adjustment Keeps Lamps Level  
Lamps Included

| Mfg. No.                                 | Advanced ID     | Detection Area                 | Color  |
|--|-----------------|--------------------------------|--------|
| <b>Super Stealth 360 Sensor</b>          |                 |                                |        |
| STL360                                   | <b>22085406</b> | Total 360° + 180° Long Forward | Bronze |
| STL360W                                  | <b>22086511</b> | Total 360° + 180° Long Forward | White  |
| <b>Single 150 watt Quartz Flood Kits</b> |                 |                                |        |
| STL360Q1                                 | <b>22086512</b> | Total 360° + 180° Long Forward | Bronze |
| STL360Q1W                                | <b>22086513</b> | Total 360° + 180° Long Forward | White  |
| <b>Twin 150 watt Quartz Floods Kits</b>  |                 |                                |        |
| STL360Q2                                 | <b>22124661</b> | Total 360° + 180° Long Forward | Bronze |
| STL360Q2W                                | <b>22106138</b> | Total 360° + 180° Long Forward | White  |
| <b>Single 300 watt Quartz Flood Kits</b> |                 |                                |        |
| STL360Q3                                 | <b>22106139</b> | Total 360° + 180° Long Forward | Bronze |
| STL360Q3W                                | <b>22106140</b> | Total 360° + 180° Long Forward | White  |



## Lumark Wal-Pak

### Cooper Lighting

The Lumark Wal-Pak provides a durable and efficient exterior light source for any application requiring maximum performance and minimum maintenance. The rugged, die-cast aluminum housing, stainless steel hardware and sealed and gasketed optics compartment combine to make the Wal-Pak virtually impenetrable to contaminants.



### Benefits

- Captive, Corrosion-Resistant Single Point Mounting Screw
- Die-Cast Aluminum Housing is Finished in Dark Bronze Polyester Powder Coat
- Impact Resistant Borosilicate Prismatic Glass or Polycarbonate Refractor with Aluminum Reflector that Provides Maximum Photometric Performance and Beam Efficiency
- Mogul-Base Porcelain Socket
- High Temperature Silicone Gasketing Seals Out External Contaminants
- Door Assembly is Hinged at Bottom for Easy Installation and Relamping
- High Power Factor Ballast with Class H Insulation
- Minimum Starting Temperature is -20°F for Metal Halide and -40°F for High Pressure Sodium
- Approximate Net Weight - 32-42 lb.
- UL Listed and CSA Certified for Wet Locations

| Mfg. No. | Advanced ID              | Color       | Voltage              | Lamp Wattage | Lamp Type            | Dimensions  | Base Type  |
|----------|--------------------------|-------------|----------------------|--------------|----------------------|---|------------|
| PM17     | <a href="#">96070498</a> | Dark Bronze | 120/208/240/277V     | 175W         | Metal Halide         | 16 x 9 <sup>5</sup> / <sub>8</sub> x 10 <sup>1</sup> / <sub>2</sub> in. | Mogul Base |
| PM25     | <a href="#">96070489</a> | Dark Bronze | 120/208/240/277V     | 250W         | Metal Halide         | 16 x 9 <sup>5</sup> / <sub>8</sub> x 10 <sup>1</sup> / <sub>2</sub> in. | Mogul Base |
| PM40     | <a href="#">96070485</a> | Dark Bronze | 120/208/240/277V     | 400W         | Metal Halide         | 16 x 9 <sup>5</sup> / <sub>8</sub> x 10 <sup>1</sup> / <sub>2</sub> in. | Mogul Base |
| PM405T   | <a href="#">22007276</a> | Dark Bronze | 120/208/240/277/480V | 400W         | Metal Halide         | 16 x 9 <sup>5</sup> / <sub>8</sub> x 10 <sup>1</sup> / <sub>2</sub> in. | Mogul Base |
| PS25     | <a href="#">96070487</a> | Dark Bronze | 120/208/240/277V     | 250W         | High Pressure Sodium | 16 x 9 <sup>5</sup> / <sub>8</sub> x 10 <sup>1</sup> / <sub>2</sub> in. | Mogul Base |

## TWA Mini Wall Packs - Polycarbonate Refractor

### Lithonia Lighting



TWA



TWAC

For entrances, stairwells, corridors and other pedestrian areas.

### Features

- Housing – Rear Housing is Rugged, Die-Cast Aluminum. Corrosion-Resistant, Captive External Hardware Includes Slotted Hex-Head and Tamperproof Fasteners. Finish is Dark Bronze (DDB) Corrosion-Resistant Polyester Powder.
- Optics – Front Housing and Refractor are One-Piece, Injection-Molded, UV-Stabilized Polycarbonate. High-Performance Optical System Consists of Specular Anodized Segmented Reflector and Computer-Designed Prism Pattern. Standard Finish is Dark Bronze Polyester Enamel. Refractor Sealed with One-Piece, High-Temperature Silicone Gasket to Inhibit Entrance of Outside Contaminants.
- Installation – Top 1/2" Threaded Wiring Access. Back Access Through 3/4" Opening. For Feed-Thru Wiring, Use Condulet Tee (Not Included). Mount on Any Flat, Non-Combustible Vertical Surface. Photocell is Field Installable.
- UL Listed
- Lamp Included

| Mfg. No.   | Advanced ID              | Color       | Voltage  | Lamp Wattage | Lamp Type    | Dimensions  | Base Type |
|--|--------------------------|-------------|----------|--------------|--------------|---|-----------|
| <b>Contour® Mini Wall-Paks, Polycarbonate Refractor</b>        |                          |             |          |              |              |   |           |
| TWA 100M TB LPI  | <a href="#">99423944</a> | Dark Bronze | 120-177V | 100W         | Metal Halide | 10 in. H x 11.5 in. W x 8 <sup>15</sup> / <sub>16</sub> in. D | MED       |
| <b>Contour® Cutoff Mini Wall-Paks, Polycarbonate Refractor</b> |                          |             |          |              |              |   |           |
| TWAC 100M TB LPI   | <a href="#">99575568</a> | Dark Bronze | 120-177V | 100W         | Metal Halide | 10 in. H x 11.5 in. W x 8 <sup>15</sup> / <sub>16</sub> in. D | MED       |



### TWP Cast Wall Pack - Polycarbonate Refractor

Lithonia Lighting

For entrances, loading docks, walkways and vehicle ramps.



#### Features

- Housing – Rear Housing is Rugged, Die-Cast Aluminum. Corrosion-Resistant, Captive External Hardware Includes Slotted Hex-Head and Tamperproof Fasteners. Finish is Dark Bronze Corrosion-Resistant Polyester Powder.
- Optics – Reflector is Aluminum, Finished in White Enamel. Front Housing and Refractor are One-Piece, Injection-Molded, UV-Stabilized Polycarbonate. Standard Finish on Opaque Portion of Front Cover and Back Housing is Dark Bronze Polyester. Refractor is Sealed and Gasketed to Inhibit the Entrance of Outside Contaminants.
- Installation – Top 3/4" Threaded Wiring Access. Back Access Through 3/4" Opening. For Feed-Thru Wiring, Use Condulet Tee (Not Included). Mount on Any Flat, Non-Combustible Vertical Surface.
- UL Listed for Wet Locations
- Lamp Included

| Mfg. No.        | Advanced ID              | Color       | Voltage  | Lamp Wattage | Lamp Type            | Dimensions  | Base Type |
|-----------------|--------------------------|-------------|----------|--------------|----------------------|---|-----------|
| TWP 150S TB LPI | <a href="#">92125644</a> | Dark Bronze | 120-177V | 150W         | High Pressure Sodium | 15 <sup>7</sup> / <sub>8</sub> in. H x 16 <sup>1</sup> / <sub>8</sub> in. W x 7 <sup>3</sup> / <sub>4</sub> in. D | Medium    |
| TWP 175M TB LPI | <a href="#">95025409</a> | Dark Bronze | 120-177V | 175W         | Metal Halide         | 15 <sup>7</sup> / <sub>8</sub> in. H x 16 <sup>1</sup> / <sub>8</sub> in. W x 7 <sup>3</sup> / <sub>4</sub> in. D | Mogul     |

### TWR Die Cast Wall Pack - Glass Refractor

Lithonia Lighting



TWR



TWR1C

For mounting above entryways and loading docks.

#### Features

- Housing – Rugged, Die-Cast Aluminum Back Housing and Hinged Door Frame. Castings are Sealed with a One-Piece Gasket to Inhibit the Entrance of External Contaminants. Finish is Polyester Powder Paint.
- Installation – Housing Configured for Mounting Directly Over a Standard 4 Inch Box.
- Optics – (TWR1, TWR2) Refractor is Prismatic Borosilicate Glass. Reflector is Die-Formed Anodized Stippled Aluminum. TWR1 Medium-Base and TWR2 Mogul-Base Lamp Included in Carton as Standard. (TWR1C) Tempered Glass Lens and One-Piece Anodized Aluminum Reflector Provide IES Cutoff Distribution.
- Lamp Included
- UL Listed for Wet Locations

| Mfg. No.   | Advanced ID              | Color       | Voltage  | Lamp Wattage | Lamp Type            | Dimensions  | Base Type |
|--|--------------------------|-------------|----------|--------------|----------------------|---|-----------|
| <b>Glass refractor wall pack, 150W HPS, 70-175W MH (TWR1)</b>      |                          |             |          |              |                      |   |           |
| TWR1 175M TB LPI   | <a href="#">99683668</a> | Dark Bronze | 120-177V | 175W         | Metal Halide         | 9 in. H x 13 in. W x 7 <sup>3</sup> / <sub>8</sub> in. D  | Medium    |
| TWR1 150S TB LPI   | <a href="#">99683671</a> | Dark Bronze | 120-177V | 150W         | High Pressure Sodium | 9 in. H x 13 in. W x 7 <sup>3</sup> / <sub>8</sub> in. D  | Medium    |
| <b>Glass refractor wall pack, 250-400W MH, 250-400W HPS (TWR2)</b> |                          |             |          |              |                      |   |           |
| TWR2 250M TB LPI   | <a href="#">99683675</a> | Dark Bronze | 120-177V | 250W         | Metal Halide         | 9 <sup>1</sup> / <sub>4</sub> in. H x 17 <sup>7</sup> / <sub>8</sub> in. W x 9 <sup>3</sup> / <sub>8</sub> in. D  | Mogul     |
| TWR2 250S TB LPI   | <a href="#">99683677</a> | Dark Bronze | 120-177V | 250W         | High Pressure Sodium | 9 <sup>1</sup> / <sub>4</sub> in. H x 17 <sup>7</sup> / <sub>8</sub> in. W x 9 <sup>3</sup> / <sub>8</sub> in. D  | Mogul     |
| TWR2 400M TB LPI   | <a href="#">99683680</a> | Dark Bronze | 120-177V | 400W         | Metal Halide         | 9 <sup>1</sup> / <sub>4</sub> in. H x 17 <sup>7</sup> / <sub>8</sub> in. W x 12 <sup>1</sup> / <sub>2</sub> in. D | Mogul     |
| TWR2 400S TB LPI   | <a href="#">99683683</a> | Dark Bronze | 120-177V | 400W         | High Pressure Sodium | 9 <sup>1</sup> / <sub>4</sub> in. H x 17 <sup>7</sup> / <sub>8</sub> in. W x 12 <sup>1</sup> / <sub>2</sub> in. D | Mogul     |
| <b>Cutoff glass refractor wall pack, 150W HPS, 175W MH (TWR1C)</b> |                          |             |          |              |                      |   |           |
| TWR1C 175M TB LPI  | <a href="#">25002076</a> | Dark Bronze | 120-177V | 175W         | Metal Halide         | 10 <sup>1</sup> / <sub>4</sub> in. H x 13 in. W x 8 <sup>15</sup> / <sub>32</sub> in. D                           | Medium    |
| TWR1C 100S TB LPI  | <a href="#">25002075</a> | Dark Bronze | 120-177V | 100W         | High Pressure Sodium | 10 <sup>1</sup> / <sub>4</sub> in. H x 13 in. W x 8 <sup>15</sup> / <sub>32</sub> in. D                           | Medium    |

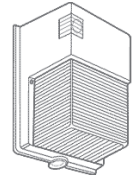
## TWS Die Cast Small Wall Pack - Polycarbonate Refractor

### Lithonia Lighting

Use for entrances, stairwells, corridors, other pedestrian areas.

#### Features

- Housing - Cast Aluminum Backplate on which Electrical Components are Mounted for Maximum Heat Dissipation. Gasketing Between Backplate and Front Cover Prevents Entry of Water and Contaminants. External Hardware Includes Phillips Head and Tamper-Proof Hex-Head Fasteners.
- Optics - Front Cover/Refractor is Injected Molded, One Piece, UV Stabilized Polycarbonate. The Optical System is Sealed and Gasketed to Inhibit the Entrance of Outside Contaminants.
- Installation - Units for Wall Mounting Include Two  $\frac{3}{4}$  in. Knockouts for Routing Electrical Conduit
- UL Listed for Wet Locations
- Lamp Included



| Mfg. No.   | Advanced ID     | Color       | Voltage | Lamp Wattage | Lamp Type            | Dimensions   | Base Type |
|--|-----------------|-------------|---------|--------------|----------------------|--|-----------|
| <b>Die Cast Small Wall Pak Polycarbonate Refractor</b> |                 |             |         |              |                      |  |           |
| TWS 35S 120 PE LPI                                     | <b>25000149</b> | Dark Bronze | 120V    | 35W          | High Pressure Sodium | 11 in. H x 6 $\frac{7}{8}$ in. W x 5 $\frac{1}{4}$ in. D | Medium    |
| TWS 50M 120 PE LPI                                     | <b>25000150</b> | Dark Bronze | 120V    | 50W          | Metal Halide         | 11 in. H x 6 $\frac{7}{8}$ in. W x 5 $\frac{1}{4}$ in. D | Medium    |
| TWS 70S 120 PE LPI                                     | <b>25000151</b> | Dark Bronze | 120V    | 70W          | High Pressure Sodium | 11 in. H x 6 $\frac{7}{8}$ in. W x 5 $\frac{1}{4}$ in. D | Medium    |

## Lumark QZ Wedge Floodlight

### Cooper Lighting

A compact, economical alternative to traditional floodlighting. The black finish provides lasting durability with optics that deliver optimum beam control.

#### Benefits

- Die-Cast Aluminum Housing Finished in Black Paint for Lasting Durability
- Adjustable Stem Mounting Arm Fits  $\frac{1}{2}$  in. NPS Outlet Box Cover
- Anodized Aluminum Reflector Provides Maximum Beam Control and Efficiency
- Porcelain Lamp Sockets for 500W Quartz Lamp
- Heat and Weather Resistant Gasketing Seals Out External Contaminants
- Hinged Door Frame has Tool-Less Entry Latch
- UL Listed for Wet Locations
- CSA Certified



| Mfg. No. | Advanced ID     | Voltage | Lamp Wattage | Lamp Type | Finish | Dimensions              |
|----------|-----------------|---------|--------------|-----------|--------|-------------------------|
| QZ5L     | <b>89010122</b> | 120V    | 500W         | Quartz    | Black  | 9 x 6 $\frac{1}{4}$ x 4 |

## Quartz Flood - Bullet

### RAB Lighting

75 watt quartz Bullet Flood with silicone O-ring gasket, thick tempered glass lens, internal and external cooling fins. Gold plated socket contacts and Teflon coated wires for extended lamp life.

#### Benefits

- Precision Die Cast Aluminum Housing with Durable Power Coat Paint
- Integral Hood Glare Shield Minimizes Side Glare and Hood Can be Rotated to Direct the Light
- 130 Volt Quartz Lamp
- Thick Tempered Glass Lens
- Arm with Locking Teeth Tightens Securely with Finger Pressure



| Mfg. No. | Advanced ID     | Voltage | Lamp Wattage | Lamp Type          | Finish      | Dimensions                                      |
|----------|-----------------|---------|--------------|--------------------|-------------|---|
| QB1W     | <b>99432703</b> | 120V    | 75 Watt      | Quartz Halogen T-4 | White       | 3 $\frac{1}{2}$ H x 3 $\frac{1}{2}$ W x 5 D in. |
| QB1A     | <b>99432700</b> | 120V    | 75 Watt      | Quartz Halogen T-4 | Bronze      | 3 $\frac{1}{2}$ H x 3 $\frac{1}{2}$ W x 5 D in. |
| QB1B     | <b>99534476</b> | 120V    | 75 Watt      | Quartz Halogen T-4 | Black       | 3 $\frac{1}{2}$ H x 3 $\frac{1}{2}$ W x 5 D in. |
| QB1VG    | <b>99871986</b> | 120V    | 75 Watt      | Quartz Halogen T-4 | Verde Green | 3 $\frac{1}{2}$ H x 3 $\frac{1}{2}$ W x 5 D in. |

### Quartz Flood - Curve

RAB Lighting

Sleek design 500 watt quartz flood with rounded back and fins for superior heat dissipation. Vandal-proof stainless steel locking clip. Gold plated socket contacts and Teflon coated wires for extended lamp life.

#### Benefits

- Silicone Gasket Remains in Place During Relamping
- Precision Die Cast Aluminum Housing with Durable Power Coat Paint
- Integral Hood Glare Shield for Friendly Lighting when Properly Aimed
- 130 Volt Quartz Halogen Lamp Included
- 5mm Thick Tempered Glass Lens
- External and Internal Heat Dissipating Fins
- Stainless Steel External Hardware



| Mfg. No. | Advanced ID     | Voltage | Lamp Wattage | Lamp Type          | Finish | Dimensions                      |
|----------|-----------------|---------|--------------|--------------------|--------|---------------------------------|
| QF500F   | <b>91004764</b> | 120V    | 500          | Quartz Halogen T-3 | Bronze | 6 1/2 H x 8 3/8 W x 5 1/8 D in. |
| QF500FW  | <b>94018521</b> | 120V    | 500          | Quartz Halogen T-3 | White  | 6 1/2 H x 8 3/8 W x 5 1/8 D in. |

### TFA Contour® High Wattage Large Flood

Lithonia Lighting

For industrial yards, parking lots, construction sites, streets and recreational areas.

#### Features

- Housing - Heavy-Duty Construction. Contoured Die-Cast Aluminum Housing and Front Bezel. Bezel Hinged and Latched for Fast, Easy Tool-Less Internal Access to Optical and Electrical Compartments. Lens is Heavy-Duty, Thermal Shock-Resistant, Clear Tempered Glass with No Metal-to-Glass Contact. Standard Finish is Dark Bronze (DDB) Corrosion-Resistant Polyester Powder.
- Optics - Computer-Designed, Precision Die-Formed, Specular Anodized Aluminum Reflector Provides High Efficiencies. Premium, One-Piece Silicone Gasket Seals Optical Chamber to Inhibit Entrance of Outside Contaminants.
- Electrical - High-Power Factor, Constant-Wattage Autotransformer. Ballast is Copper Wound and 100% Factory Tested. UL Listed. Electrical Components Mounted to Rear Housing for Maximum Heat Dissipation. (For 50 Hertz Availability, Consult Factory).
- Installation - Tool-Less Latches on Front Bezel can be Opened while Wearing Gloves. Corrosion-Resistant, Painted Steel Mounting Yoke.
- Lamp Included



| Mfg. No.            | Advanced ID     | Voltage  | Lamp Wattage | Lamp Type            | Finish      | Dimensions                    |
|---------------------|-----------------|----------|--------------|----------------------|-------------|-------------------------------|
| TFA 1000M TA TB LPI | <b>22052803</b> | 120-277V | 1000         | Metal Halide         | Dark Bronze | 18 3/4 H x 22 W x 9 3/4 D in. |
| TFA 1000S TA TB LPI | <b>25063832</b> | 120-277V | 1000         | High Pressure Sodium | Dark Bronze | 18 3/4 H x 22 W x 9 3/4 D in. |

## TFL Contour® Medium Flood

### Lithonia Lighting

For recreation areas, parking lots, building facades and car lots.

#### Features

- Housing – Compact, Soft-Corner, Die-Cast Aluminum Housing and Front Cover. Front Bezel is Fully Sealed with One-Piece, Bonded Silicone Gasket. Lens is Thermal and Shock Resistant, Clear, Tempered Glass. Standard Finish is Dark Bronze (DDB) Corrosion-Resistant Polyester Powder.
- Optics – TA2: Vertical Lamp with One-Piece, Hydroformed, Anodized Aluminum Reflector. Two-Position Adjustable Socket. RA2: Horizontal Lamp with Anodized Specular Aluminum Reflector. Both have Sealed Optic Chamber to Inhibit Entrance of Outside Contaminants.
- Electrical – Components Mounted to Cast-Aluminum Housing for Maximum Heat-Dissipation. Ballast is High-Reactance, High-Power Factor (70-150W HPS) or Constant-Wattage Autotransformer (175 and Above HPS, MH), Copper Wound and 100% Factory Tested. UL Listed.
- Installation – Corrosion-Resistant, Heavy-Duty Painted Steel Mounting Yoke. External Screws Treated for Corrosion Resistance. Above Horizontal Aiming Capability Standard.
- Lamp Included
- UL Listed



| Mfg. No.               | Advanced ID              | Voltage  | Lamp Wattage | Lamp Type            | Finish      | Dimensions  |
|------------------------|--------------------------|----------|--------------|----------------------|-------------|---|
| <b>Vertical lamp</b>   |                          |          |              |                      |             |   |
| TFL 175M TA2 TB LPI    | <a href="#">99473397</a> | 120-277V | 175          | Metal Halide         | Dark Bronze | 16 <sup>1</sup> / <sub>8</sub> H x 15 <sup>3</sup> / <sub>4</sub> W x 6 <sup>1</sup> / <sub>8</sub> D in. |
| TFL 250M TA2 TB LPI    | <a href="#">94024125</a> | 120-277V | 250          | Metal Halide         | Dark Bronze | 16 <sup>1</sup> / <sub>8</sub> H x 15 <sup>3</sup> / <sub>4</sub> W x 6 <sup>1</sup> / <sub>8</sub> D in. |
| <b>Horizontal lamp</b> |                          |          |              |                      |             |   |
| TFL 250M RA2 TB LPI    | <a href="#">97194028</a> | 120-277V | 250          | Metal Halide         | Dark Bronze | 16 <sup>1</sup> / <sub>8</sub> H x 15 <sup>3</sup> / <sub>4</sub> W x 6 <sup>1</sup> / <sub>8</sub> D in. |
| TFL 250S RA2 TB LPI    | <a href="#">92125645</a> | 120-277V | 250          | High Pressure Sodium | Dark Bronze | 16 <sup>1</sup> / <sub>8</sub> H x 15 <sup>3</sup> / <sub>4</sub> W x 6 <sup>1</sup> / <sub>8</sub> D in. |
| TFL 400S RA2 TB LPI    | <a href="#">99484673</a> | 120-277V | 400          | High Pressure Sodium | Dark Bronze | 16 <sup>1</sup> / <sub>8</sub> H x 15 <sup>3</sup> / <sub>4</sub> W x 6 <sup>1</sup> / <sub>8</sub> D in. |
| TFL 400M RA2 TB LPI    | <a href="#">99484675</a> | 120-277V | 400          | Metal Halide         | Dark Bronze | 16 <sup>1</sup> / <sub>8</sub> H x 15 <sup>3</sup> / <sub>4</sub> W x 6 <sup>1</sup> / <sub>8</sub> D in. |

## TFM Contour® Mini Flood

### Lithonia Lighting

For signs, flags, building facades and landscaping.

#### Features

- Housing – Compact, Heavy-Duty Construction. Die-Cast Aluminum Housing and Removable Front Bezel. Lens is Thermal and Shock Resistant, Clear Tempered Glass. Standard Finish is Dark Bronze (DDB) Corrosion-Resistant Polyester Powder.
- Optics – Hydroformed, Anodized Aluminum, Faceted Parabolic (RB, RG) or Die-Formed (TA) Construction Provides High Efficiencies. Medium-Base Lamp is Included.
- Installation – Die-Cast Aluminum 1/2 in. NSPM Threaded Mounting Knuckle is Standard. Steel Painted Mounting Yoke Optional. Above-Horizontal Aiming Capability Standard. External Screws Treated for Corrosion Resistance.
- Lamp Included
- UL Listed



| Mfg. No.           | Advanced ID              | Voltage  | Lamp Wattage | Lamp Type            | Finish      | Dimensions  |
|--------------------|--------------------------|----------|--------------|----------------------|-------------|---|
| TFM 50S RB TB LPI  | <a href="#">22083221</a> | 120-277V | 50           | High Pressure Sodium | Dark Bronze | 10 <sup>1</sup> / <sub>2</sub> H x 10 <sup>1</sup> / <sub>2</sub> W x 6 <sup>3</sup> / <sub>4</sub> D in. |
| TFM 70M RB TB LPI  | <a href="#">97202671</a> | 120-277V | 70           | Metal Halide         | Dark Bronze | 10 <sup>1</sup> / <sub>2</sub> H x 10 <sup>1</sup> / <sub>2</sub> W x 6 <sup>3</sup> / <sub>4</sub> D in. |
| TFM 70S RB TB LPI  | <a href="#">99429532</a> | 120-277V | 70           | High Pressure Sodium | Dark Bronze | 10 <sup>1</sup> / <sub>2</sub> H x 10 <sup>1</sup> / <sub>2</sub> W x 6 <sup>3</sup> / <sub>4</sub> D in. |
| TFM 100M RB TB LPI | <a href="#">97202148</a> | 120-277V | 100          | Metal Halide         | Dark Bronze | 10 <sup>1</sup> / <sub>2</sub> H x 10 <sup>1</sup> / <sub>2</sub> W x 6 <sup>3</sup> / <sub>4</sub> D in. |
| TFM 100S RB TB LPI | <a href="#">97202673</a> | 120-277V | 100          | High Pressure Sodium | Dark Bronze | 10 <sup>1</sup> / <sub>2</sub> H x 10 <sup>1</sup> / <sub>2</sub> W x 6 <sup>3</sup> / <sub>4</sub> D in. |
| TFM 150S RB TB LPI | <a href="#">97202674</a> | 120-277V | 150          | High Pressure Sodium | Dark Bronze | 10 <sup>1</sup> / <sub>2</sub> H x 10 <sup>1</sup> / <sub>2</sub> W x 6 <sup>3</sup> / <sub>4</sub> D in. |
| TFM 175M RB TB LPI | <a href="#">97278681</a> | 120-277V | 175          | Metal Halide         | Dark Bronze | 10 <sup>1</sup> / <sub>2</sub> H x 10 <sup>1</sup> / <sub>2</sub> W x 6 <sup>3</sup> / <sub>4</sub> D in. |

### TFS Micro Flood

Lithonia Lighting

For signs, landscaping and commercial or residential building facades.

#### Features

- Housing – Compact, Rugged Die-Cast Aluminum Housing is Ribbed for Maximum Heat Dissipation. Hinged Die-Cast Aluminum Door Frame Inhibits the Entrance of External Contaminants. Standard Finish is Bronze Polyester Powder.
- Installation – Adjustable Mounting Knuckle with 1/2" NPS Threaded Stem Mounts to Standard Outlet Boxes
- Optics – Anodized Aluminum Reflector with High Efficiency and Wide Beamspread. Tempered Glass Lens. Medium-Base.
- Lamp Included
- UL Listed



| Mfg. No.         | Advanced ID              | Voltage | Lamp Wattage | Lamp Type            | Finish      | Dimensions                      |
|------------------|--------------------------|---------|--------------|----------------------|-------------|---------------------------------|
| TFS 150S 120 LPI | <a href="#">96086252</a> | 120V    | 150          | High Pressure Sodium | Dark Bronze | 6 1/2 H x 8 7/8 W x 6 1/8 D in. |
| TFS 100S 120 LPI | <a href="#">96086256</a> | 120V    | 100          | High Pressure Sodium | Dark Bronze | 6 1/2 H x 8 7/8 W x 6 1/8 D in. |
| TFS 50S 120 LPI  | <a href="#">90093553</a> | 120V    | 50           | High Pressure Sodium | Dark Bronze | 6 1/2 H x 8 7/8 W x 6 1/8 D in. |
| TFS 70S 120 LPI  | <a href="#">96086254</a> | 120V    | 70           | High Pressure Sodium | Dark Bronze | 6 1/2 H x 8 7/8 W x 6 1/8 D in. |

### Warrior

Cooper Lighting



WM40



XM40

The Lumark Warrior offers a variety of lamp and mounting options and can be installed, lamped and serviced with the most basic tools.

#### Benefits

- Corrosive-Resistant Captive Screws
- Watertight Die-Cast Aluminum Housing Door is Finished in Dark Bronze Polyester Powder Coat
- Cast Ridge for Watertight Seal Against Gasketing
- High Power Factor Ballast with Class H Insulation
- Minimum Starting Temperature is -20°F
- Heavy-Duty Steel Yoke Provides Flexibility in Mounting and Aiming from a Variety of Surfaces
- UL Listed and Labeled for Wet Locations
- CSA Certified

| Mfg. No. | Advanced ID              | Voltage              | Lamp Wattage | Lamp Type    | Finish      | Dimensions  |
|----------|--------------------------|----------------------|--------------|--------------|-------------|-------------|
| WM40 *   | <a href="#">96070483</a> | 120/208/240/277/480V | 400 W        | Metal Halide | Dark Bronze | 15 x 13 x 7 |
| XM40 †   | <a href="#">96070473</a> | 120/208/240/277/480V | 400 W        | Metal Halide | Dark Bronze | 15 x 13 x 7 |

\* Slipfitter

† Trunnion

## H1499IC with GOT NAIL! Bar Hangers

Cooper Lighting



HALO 4 in. Recessed Air-Tite IC Low Voltage Incandescent Downlight. New construction.

### Benefits

- For Insulated Ceilings and Direct Contact with Insulation
- Integral Low Voltage Transformer Steps Down Line Voltage to Lamp Operating Voltage
- Air-Tite Housing Prevents Airflow Between Attic and Living Areas
- Pass-N-Thru Bar Hangers Overlap for Toolless Shortening to Less than 12 in.
- Bar Hangers May be Repositioned 90 Degrees
- 7<sup>1</sup>/<sub>4</sub> in. Height Allows Use in 2 in. x 8 in. Joist Construction
- Housing Adjusts for Ceilings Up to 1 in. Thick
- Housing Can be Removed from Plaster Frame for Junction Box and Transformer Access

### Features

- UL Listed for Damp Location
- UL Listed for Feed Through
- UL Listed for Direct Contact with Insulation and Combustible Material
- CSA Certified
- State of California Title 24
- Washington State Energy Code
- IECC - International Energy Conservation Code
- New York State Energy Conservation Construction Code
- Model Energy Code
- Certified Under ASTM-E282

| Mfg. No. | Advanced ID     | Dimensions   |
|----------|-----------------|--|
| H1499IC  | <b>94011833</b> | 13 x 9 <sup>1</sup> / <sub>2</sub> x 7 <sup>1</sup> / <sub>4</sub> |

## H1499RT

Cooper Lighting



HALO 4 in. Recessed Non-IC Remodel Low Voltage Incandescent Housing. Small aperture for accent and task lighting.

### Benefits

- For Non-Insulated Ceilings or where Insulation Can be Kept 3 in. from Housing
- Integral Low Voltage Transformer Steps Down Line Voltage to Lamp Operating Voltage
- Junction Box is Listed for Through Branch Circuit Wiring and has Six 1/2 in. Knockouts with True Pry-Out Slots
- Can be Installed from Below the Ceiling
- Three Quick Connect Wire Connectors Eliminate Need for Additional Wire Nuts
- Four Pryouts with Integral Traps Simplify Installation of Non-Metallic Sheathed Cable
- 5<sup>1</sup>/<sub>2</sub> in. Height Allows Use in 2 in. x 6 in. Joist Construction
- Four Remodel Clips Secure Housing and Accommodate 1/2 in. and 5/8 in. Ceiling Thicknesses
- Shipping Insert Protects Socket from Paint Overspray

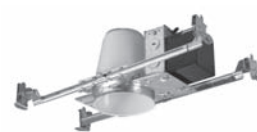
### Features

- UL Listed for Damp Location
- UL Listed for Feed Through
- IP Rated
- CSA Certified

| Mfg. No. | Advanced ID     | Dimensions   |
|----------|-----------------|--|
| H1499RT  | <b>88122645</b> | 13 <sup>1</sup> / <sub>2</sub> x 4 <sup>1</sup> / <sub>4</sub> x 5 <sup>1</sup> / <sub>2</sub> |

## H1499T with GOT NAIL! Bar Hangers

Cooper Lighting



HALO 4 in. Recessed Non-IC Low Voltage Incandescent Downlight. Small aperture low voltage housing for task and accent lighting. New construction.

### Benefits

- For Non-Insulated Ceilings or where Insulation Can be Kept 3 in. from Housing
- Patented GOT NAIL! Bar Hangers for Fast and Easy Installation
- Integral Low Voltage Transformer Steps Down Line Voltage to Lamp Operating Voltage
- 120V Magnetic Transformer for Lamps Up to 50W
- Pass-N-Thru Bar Hangers Overlap for Toolless Shortening to Less than 12 in.
- Bar Hangers May be Repositioned 90 Degrees
- Bar Hangers Do Not Need to be Removed from Frame for Shortening
- 5<sup>1</sup>/<sub>2</sub> in. Height Allows Use in 2 in. x 6 in. Joist Construction
- Housing Adjusts for Ceilings Up to 1 in. Thick
- Housing Can be Removed from Plaster Frame for Junction Box and Transformer Access

### Features

- UL Listed for Damp Location
- UL Listed for Feed Through
- IP Rated
- CSA Certified

| Mfg. No. | Advanced ID     | Dimensions  |
|----------|-----------------|---|
| H1499T   | <b>88122640</b> | 8 x 5 <sup>1</sup> / <sub>2</sub> x 5 <sup>1</sup> / <sub>2</sub> |



### H27ICT with GOT NAIL! Bar Hangers

Cooper Lighting



HALO 6 in. IC Shallow Ceiling Housing where 2 in. x 6 in. joist construction is used. New construction.

#### Benefits

- 5½ in. Height Allows for Use in Ceilings with 2 in. x 6 in. Joist Construction
- Patented GOT NAIL! Bar Hangers for Fast and Easy Installation
- Pass-N-Thru Bar Hangers Overlap for Toolless Shortening to Less than 12 in.
- Bar Hangers May be Repositioned 90 Degrees
- Slide-N-Side Connectors Allow 14/2 or 12/2 Non-Metallic Sheathed Cable to be Installed without Tools and Without Removing Knockouts
- Housing Adjusts for Ceilings Up to 1⅜ in. Thick
- Housing Can be Positioned at any Point Within 24 in. Joist Span
- Shipping Insert Protects Socket from Paint Overspray

#### Features

- UL Listed for Damp Location
- UL Listed for Feed Through
- UL Listed for Direct Contact with Insulation and Combustible Material
- CSA Certified
- State of California Title 24

| Mfg. No. | Advanced ID     | Dimensions    |
|----------|-----------------|---------------|
| H27ICT   | <b>96037572</b> | 10½ x 7½ x 5½ |

### H27RICT

Cooper Lighting



HALO 6 in. Recessed IC Remodel Shallow Ceiling Downlight.

#### Benefits

- For Insulated Ceilings and Direct Contact with Insulation
- 5½ in. Height Allows Use in 2 in. x 6 in. Joist Construction
- Can be Installed from Below the Ceiling
- Integral Thermal Protector Guards Against Overlamping
- Adjustable Socket Bracket Allows the Use of Different Lamp Types and Sizes as Well as Assuring Proper and Consistent Lamp Positioning
- Junction Box has Seven ½ in. Knockouts with True Pry-Out Slots with Quick-Connect Connectors
- Four Non-Metallic Sheathed Cable Pryouts with Strain Relief Simplify Installation
- Integral Flange Secures Fixture Against Ceiling
- Shipping Insert Protects Lamp Socket from Paint Over-Spray

#### Features

- UL Listed for Damp Location
- UL Listed for Feed Through
- UL Listed for Direct Contact with Insulation
- CSA Certified
- State of California Title 24
- IP Rated

| Mfg. No. | Advanced ID     | Dimensions    |
|----------|-----------------|---------------|
| H27RICT  | <b>99527807</b> | 13¼ x 6⅞ x 5½ |

### H27T with GOT NAIL! Bar Hangers

Cooper Lighting



6 in. Recessed Non-IC Shallow Ceiling Downlight for use in non-insulated ceilings or where insulation can be kept 3 in. from housing.

#### Benefits

- For Non-Insulated Ceilings or where Insulation Can be Kept 3 in. from Housing
- Patented GOT NAIL! Bar Hangers for Fast and Easy Installation
- Pass-N-Thru Bar Hangers Overlap for Toolless Shortening to Less than 12 in.
- Bar Hangers may be Repositioned 90 Degrees
- Slide-N-Side Connectors Allow 14/2 or 12/2 Non-Metallic Sheathed Cable to be Installed Without Tools and Without Removing Knockouts
- 5½ in. Height Allows Use in 2 in. x 6 in. Joist Construction
- Housing Adjusts for Ceilings Up to 1 in. Thick
- Housing Can be Positioned at any Point Within 24 in. Joist Span
- Hanger Bars Fit onto T-Bar Spline for Quick Alignment
- Integral Thermal Protector Guards Against Misuse of Insulation Materials and Improper Lamping

#### Features

- UL Listed for Damp Location
- UL Listed for Feed Through
- CSA Certified

| Mfg. No. | Advanced ID     | Dimensions    |
|----------|-----------------|---------------|
| H27T     | <b>88122853</b> | 10½ x 7½ x 5½ |

### H645IC

Cooper Lighting



HALO 6 in. Air-Tite IC Slope Ceiling Incandescent Downlight. This housing is designed for sloped ceiling installations for ceilings from 2/12 to 12/12 pitch. The socket aiming mechanism allows the lamp to be aimed straight down regardless of ceiling pitch. The H645IC is sealed and gasketed to limit airflow between plenum and conditioned areas.

#### Benefits

- Integral Thermal Protector Guards Against Improper Lamping
- Lamp Socket and Trim Can be Adjusted 20 Degrees Laterally for Compound Slope Ceiling or to Compensate for Off-Axis Aiming
- Pass-N-Thru Bar Hangers Overlap for Toolless Shortening to Less than 12 in.
- Bar Hangers may be Repositioned 90 Degrees
- Housing Adjusts for Ceilings Up to 1 1/4 in. Thick
- Housing Can be Positioned at any Point within 24 in. Joist Span
- Hanger Bars Fit onto T-bar Spline for Quick Alignment
- 7 3/8 in. Height Allows for Use in 2 in. x 8 in. Joist Construction

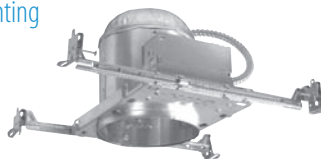
#### Features

- UL Listed for Damp Location
- UL Listed for Feed Through
- UL Listed for Direct Contact with Insulation and Combustible Material
- CSA Certified
- State of California Title 24
- Washington State Energy Code
- International Energy Conservation Code (IECC)
- New York State Energy Conservation Construction Code
- Model Energy Code (MEC)
- Certified Under ASTM-E283

| Mfg. No. | Advanced ID     | Dimensions         |
|----------|-----------------|--------------------|
| H645IC   | <b>99868293</b> | 13 x 9 1/2 x 7 3/8 |

### H7ICAT with GOT NAIL! Bar Hangers

Cooper Lighting



HALO 6 in. Air-Tite IC Housing for installations where the housing will be in direct contact with ceiling insulation, meeting restricted air flow requirements.

#### Benefits

- Integral Thermal Protector Guards Against Improper Lamping
- Patented GOT NAIL! Bar Hangers for Fast and Easy Installation
- Pass-N-Thru Bar Hangers Overlap for Toolless Shortening to Less than 12 in.
- Bar Hangers may be Repositioned 90 Degrees
- Housing Adjusts for Ceilings Up to 1 3/8 in. Thick
- Housing Can be Positioned at any Point Within 24 in. Joist Span
- Hanger Bars Fit onto T-Bar Spline for Quick Alignment
- Socket Snaps into Trim for Consistent Lamp Positioning
- 7 1/2 in. Height Allows for Use in 2 in. x 8 in. Joist Construction

#### Features

- UL Listed for Damp Location
- UL Listed for Feed Through
- UL Listed for Direct Contact with Insulation and Combustible Material
- CSA Certified
- State of California Title 24
- Washington State Energy Code
- International Energy Conservation Code (IECC)
- New York State Energy Conservation Construction Code
- Model Energy Code (MEC)
- Certified Under ASTM-E283

| Mfg. No. | Advanced ID     | Dimensions             |
|----------|-----------------|------------------------|
| H7ICAT   | <b>92138831</b> | 10 1/2 x 7 1/2 x 7 1/2 |

### H7ICATNB with GOT NAIL! Bar Hangers

Cooper Lighting



HALO 6 in. Air-Tite IC No-Socket-Bracket housing without socket plate for use with socket supporting trims only. For installations where the housing will be in direct contact with ceiling insulation. Meets restricted air flow requirements.

#### Benefits

- Integral Thermal Protector Guards Against Improper Lamping
- Patented GOT NAIL! Bar Hangers
- Pass-N-Thru Bar Hangers Overlap for Toolless Shortening to Less than 12 in.
- Bar Hangers may be Repositioned 90 Degrees
- Housing Adjusts for Ceilings Up to 1 3/8 in. Thick
- Housing Can be Positioned at any Point within 24 in. Joist Span
- Hanger Bars Fit onto T-Bar Spline for Quick Alignment
- Socket Snaps into Trim for Consistent Lamp Positioning
- 7 1/2 in. Height Allows for Use in 2 in. x 8 in. Joist Construction

#### Features

- UL Listed for Damp Location
- UL Listed for Feed Through
- UL Listed for Direct Contact with Insulation and Combustible Material
- CSA Certified
- State of California Title 24
- Washington State Energy Code
- International Energy Conservation Code (IECC)
- New York State Energy Conservation Construction Code
- Model Energy Code (MEC)
- Certified Under ASTM-E283

| Mfg. No. | Advanced ID     | Dimensions             |
|----------|-----------------|------------------------|
| H7ICATNB | <b>98409374</b> | 10 1/2 x 7 1/2 x 7 1/2 |

### H7ICT with GOT NAIL! Bar Hangers

Cooper Lighting



HALO 6 in. IC Housing for installations where the housing will be in direct contact with ceiling insulation.

#### Benefits

- Integral Thermal Protector Guards Against Improper Lamping
- Patented GOT NAIL! Bar Hangers for Fast and Easy Installation
- Pass-N-Thru Bar Hangers Overlap for Toolless Shortening to Less than 12 in.
- Bar Hangers may be Repositioned 90 Degrees
- Slide-N-Side Connectors Allow 14/2 or 12/2 Non-Metallic Sheathed Cable to be Installed Without Tools and Without Removing Knockouts
- Housing Adjusts for Ceilings Up to 1<sup>3</sup>/<sub>8</sub> in. Thick
- Housing Can be Positioned at any Point within 24 in. Joist Span
- Hanger Bars Fit onto T-Bar Spline for Quick Alignment
- Socket Snaps into Trim for Consistent Lamp Positioning
- 7<sup>1</sup>/<sub>2</sub> in. Height Allows for Use in 2 in. x 8 in. Joist Construction

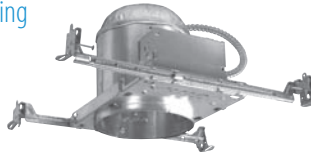
#### Features

- UL Listed for Damp Location
- UL Listed for Feed Through
- UL Listed for Direct Contact with Insulation and Combustible Material
- CSA Certified
- State of California Title 24

| Mfg. No. | Advanced ID     | Dimensions   |
|----------|-----------------|--|
| H7ICT    | <b>88123075</b> | 10 <sup>1</sup> / <sub>2</sub> x 7 <sup>1</sup> / <sub>2</sub> x 7 <sup>1</sup> / <sub>2</sub> |

### H7ICTNB with GOT NAIL! Bar Hangers

Cooper Lighting



HALO 6 in. IC No-Socket-Bracket housing without socket plate for use with socket supporting trims only. Eliminates time and labor cost of removing socket and socket plate.

#### Benefits

- Integral Thermal Protector Guards Against Improper Lamping
- Patented GOT NAIL! Bar Hangers for Fast and Easy Installation
- Pass-N-Thru Bar Hangers Overlap for Toolless Shortening to Less than 12 in.
- Bar Hangers may be Repositioned 90 Degrees
- Slide-N-Side Connectors Allow 14/2 or 12/2 Non-Metallic Sheathed Cable to be Installed Without Tools and Without Removing Knockouts
- Housing Adjusts for Ceilings Up to 1<sup>3</sup>/<sub>8</sub> in. Thick
- Housing Can be Positioned at any Point Within 24 in. Joist Span
- Hanger Bars Fit onto T-Bar Spline for Quick Alignment
- Socket Snaps into Trim for Consistent Lamp Positioning
- 7<sup>1</sup>/<sub>2</sub> in. Height Allows for use in 2 in. x 8 in. Joist Construction

#### Features

- UL Listed for Damp Location
- UL Listed for Feed Through
- UL Listed for Direct Contact with Insulation and Combustible Material
- CSA Certified
- State of California Title 24

| Mfg. No. | Advanced ID     | Dimensions   |
|----------|-----------------|--|
| H7ICTNB  | <b>96071650</b> | 10 <sup>1</sup> / <sub>2</sub> x 7 <sup>1</sup> / <sub>2</sub> x 7 <sup>1</sup> / <sub>2</sub> |

### H7RICAT

Cooper Lighting



HALO 6 in. Air-Tite IC Remodel Housing for remodeling installations where housing will be in direct contact with insulation. Meets restricted air flow requirements.

#### Benefits

- Integral Thermal Protector Guards Against Improper Lamping
- Adjustable Socket Bracket Allows the Use of Different Lamp Types
- Four Remodel Clips Secure Housing and Accommodate 1/2 in. and 5/8 in. Ceiling Thickness
- 7<sup>1</sup>/<sub>2</sub> in. Height Allows for Use in 2 in. x 8 in. Joist Construction
- Four Non-Metallic Sheathed Cable Pryouts with Integral Strain Relief Simplify Installation
- Integral Flange Secures Fixture Against Ceiling
- Shipping Insert Protects Socket Against Paint Overspray

#### Features

- UL Listed for Damp Location
- UL Listed for Feed Through
- UL Listed for Direct Contact with Insulation and Combustible Material
- CSA Certified
- State of California Title 24
- Washington State Energy Code
- International Energy Conservation Code (IECC)
- New York State Energy Conservation Construction Code
- Model Energy Code (MEC)
- Certified Under ASTM-E283

| Mfg. No. | Advanced ID     | Dimensions   |
|----------|-----------------|--|
| H7RICAT  | <b>97209729</b> | 13 <sup>1</sup> / <sub>4</sub> x 6 <sup>7</sup> / <sub>8</sub> x 7 <sup>1</sup> / <sub>2</sub> |

### H7RICT

Cooper Lighting



HALO 6 in. IC Remodel Housing for remodeling installations where housing will be in direct contact with insulation.

#### Benefits

- Integral Thermal Protector Guards Against Improper Lamping
- Adjustable Socket Bracket Allows the Use of Different Lamp Types
- Four Remodel Clips Secure Housing and Accommodate 1/2 in. and 5/8 in. Ceiling Thickness
- 7 1/2 in. Height Allows for Use in 2 in. x 8 in. Joist Construction
- Four Non-Metallic Sheathed Cable Pryouts with Integral Strain Relief Simplify Installation
- Integral Flange Secures Fixture Against Ceiling
- Shipping Insert Protects Socket Against Paint Overspray

#### Features

- UL Listed for Damp Location
- UL Listed for Feed Through
- UL Listed for Direct Contact with Insulation and Combustible Material
- CSA Certified
- State of California Title 24

| Mfg. No. | Advanced ID     | Dimensions             |
|----------|-----------------|------------------------|
| H7RICT   | <b>89010123</b> | 13 1/4 x 6 7/8 x 7 1/2 |

### H7RT

Cooper Lighting



HALO 6 in. Non-IC Remodel Housing for remodeling installations where insulation can be kept 3 in. from housing.

#### Benefits

- Integral Thermal Protector Guards Against Misuse of Insulation Materials and Improper Lamping
- Adjustable Socket Bracket Allows the Use of Different Lamp Types and Sizes as Well as Proper and Consistent Lamp Positioning
- Four Remodel Clips Secure Housing and Accommodate 1/2 in. and 5/8 in. Ceiling Thickness
- 7 1/2 in. Height Allows for Use in 2 in. x 8 in. Joist Construction
- Four Non-Metallic Sheathed Cable Pryouts with Integral Strain Relief Simplify Installation
- Shipping Insert Protects Socket Against Paint Overspray
- Upgraded Junction Box Features Quick-Connect Connectors

#### Features

- UL Listed for Damp Location
- UL Listed for Feed Through
- CSA Certified
- IP Rated

| Mfg. No. | Advanced ID     | Dimensions             |
|----------|-----------------|------------------------|
| H7RT     | <b>88123143</b> | 13 1/4 x 6 7/8 x 7 1/2 |

### H7T with GOT NAIL! Bar Hangers

Cooper Lighting



HALO H7T Non-IC Housing is flexible, reliable and easy to install. The best choice for residential and commercial applications.

#### Benefits

- Integral Thermal Protector Guards Against Improper Lamping
- Patented GOT NAIL! Bar Hangers for Fast and Easy Installation
- Pass-N-Thru Bar Hangers Overlap for Toolless Shortening to Less than 12 in.
- Bar Hangers may be Repositioned 90 Degrees
- Slide-N-Side Connectors Allow 14/2 or 12/2 Non-Metallic Sheathed Cable to be Installed Without Tools and Without Removing Knockouts
- Housing Adjusts for Ceilings Up to 1 3/8 in. Thick
- Housing Can be Positioned at any Point Within 24 in. Joist Span
- Adjustable Socket Bracket Allows the Use of Different Lamp Types and Sizes as Well as Proper and Consistent Lamp Positioning
- 7 1/2 in. Height Allows for Use in 2 in. x 8 in. Joist Construction

#### Features

- UL Listed for Damp Location
- UL Listed for Feed Through
- CSA Certified

| Mfg. No. | Advanced ID     | Dimensions             |
|----------|-----------------|------------------------|
| H7T      | <b>88123232</b> | 10 1/2 x 7 1/2 x 7 1/2 |

### H99ICT with GOT NAIL! Bar Hangers

Cooper Lighting



HALO 4 in. Recessed Air-Tite IC. Small aperture low voltage incandescent housing for task and accent lighting in insulated ceilings and direct contact with insulation. New construction.

#### Benefits

- For Insulated Ceilings and Direct Contact with Insulation
- Patented GOT NAIL! Bar Hangers for Fast and Easy Installation
- Air-Tite Housing Prevents Airflow Between Attic and Living Areas
- Pass-N-Thru Bar Hangers Overlap for Toolless Shortening to Less than 12 in.
- Bar Hangers may be Repositioned 90 Degrees
- 5<sup>3</sup>/<sub>8</sub> in. Height Allows Use in 2 in. x 6 in. Joist Construction
- Housing Adjusts for Ceilings Up to 1 in. Thick
- Housing Can be Removed from Plaster Frame for Junction Box Access

#### Features

- UL Listed for Damp Location
- UL Listed for Feed Through
- UL Listed for Direct Contact with Insulation and Combustible Material
- CSA Certified
- State of California Title 24
- Washington State Energy Code
- IECC - International Energy Conservation Code
- New York State Energy Conservation Construction Code
- Model Energy Code
- Certified Under ASTM-E282

| Mfg. No. | Advanced ID     | Dimensions  |
|----------|-----------------|---|
| H99ICT   | <b>88123296</b> | 8 X 5 <sup>1</sup> / <sub>4</sub> X 5 <sup>3</sup> / <sub>8</sub> |

### H99RT

Cooper Lighting



HALO 4 in. Remodel housing for non-insulated ceilings or where insulation can be kept 3 in. from housing. Small aperture for accent and task lighting.

#### Benefits

- Junction Box is Listed for Through Branch Circuit Wiring and has Seven 1/2 in. Knockouts with True Pry-Out Slots
- Can be Installed from Below the Ceiling
- Three Quick Connect Wire Connectors Eliminate Need for Additional Wire Nuts
- Four Pryouts with Integral Traps Simplify Installation of Non-Metallic Sheathed Cable
- 5<sup>1</sup>/<sub>2</sub> in. Height Allows Use in 2 in. x 6 in. Joist Construction
- Four Remodel Clips Secure Housing and Accommodate 1/2 in. and 3/8 in. Ceiling Thicknesses
- Shipping Insert Protects Socket from Paint Overspray

#### Features

- UL Listed for Damp Location
- UL Listed for Feed Through
- IP Rated
- CSA Certified

| Mfg. No. | Advanced ID     | Dimensions   |
|----------|-----------------|--|
| H99RT    | <b>88123305</b> | 11 <sup>1</sup> / <sub>2</sub> X 4 <sup>5</sup> / <sub>8</sub> X 5 <sup>1</sup> / <sub>2</sub> |

### H99T with GOT NAIL! Bar Hangers

Cooper Lighting



HALO 4 in. Recessed Downlight. Small aperture housing for task and accent lighting for non-insulated ceilings or where insulation can be kept 3 in. from housing. New Construction.

#### Benefits

- Patented GOT NAIL! Bar Hangers for Fast and Easy Installation
- Integral Thermal Protector Guards Against Misuse of Insulation Materials and Improper Lamping
- NM Sheathed Cable Knockouts Include Built-In Strain Relief and Require No Additional Clamps
- Pass-N-Thru Bar Hangers Overlap for Toolless Shortening to Less than 12 in.
- Bar Hangers may be Repositioned 90 Degrees
- 5<sup>1</sup>/<sub>2</sub> in. Height Allows Use in 2 in. x 6 in. Joist Construction
- Housing Adjusts for Ceilings Up to 1 in. Thick
- Housing Can be Removed from Plaster Frame for Junction Box and Transformer Access

#### Features

- UL Listed for Damp Location
- UL Listed for Feed Through
- IP Rated
- CSA Certified

| Mfg. No. | Advanced ID     | Dimensions  |
|----------|-----------------|---|
| H99T     | <b>88123321</b> | 8 X 5 <sup>1</sup> / <sub>2</sub> X 5 <sup>1</sup> / <sub>2</sub> |



### 4 in. Low Voltage Coilex Baffle - 35 Degree Tilt

Cooper Lighting

For use with HALO® Housing H1499T, H1499RT, H1499IC.



| Mfg. No. | Advanced ID | Color                             |
|----------|-------------|-----------------------------------|
| 1493W    | 93155707    | White Trim Ring with White Baffle |

### 4 in. Coilex Baffle

Cooper Lighting

For use with HALO® Housing H99T, H99RT or H99ICT.



| Mfg. No. | Advanced ID | Color                             |
|----------|-------------|-----------------------------------|
| 993P     | 88122517    | White Trim Ring with Black Baffle |
| 993W     | 92045923    | White Trim Ring with White Baffle |

### 4 in. Eyeball 30 Degree Tilt

Cooper Lighting

For use with HALO® Housing H99T, H99RT or H99ICT.



| Mfg. No. | Advanced ID | Color |
|----------|-------------|-------|
| 998P     | 88122520    | White |

### 4 in. Lensed Shower Trim

Cooper Lighting

For use with HALO® Housing H99T, H99RT or H99ICT.



| Mfg. No. | Advanced ID | Color           |
|----------|-------------|-----------------|
| 951PS    | 25053028    | White Trim Ring |

### 6 in. Low Voltage Coilex Baffle - 35 Degree Tilt

Cooper Lighting

For use with HALO® Housing H1499T, H1499RT, H1499IC.



| Mfg. No. | Advanced ID | Color |
|----------|-------------|-------|
| 1496P    | 99658350    | White |

### 6 in. Air-Tite Super Trim Baffle

Cooper Lighting

For use with HALO® Housing H7RICT, H7RICAT, H7ICT, H7ICAT, H7ICATNB, H7ICTNB or H7T, H7RT.



| Mfg. No. | Advanced ID | Color                             |
|----------|-------------|-----------------------------------|
| 30WAT    | 96008023    | White Trim Ring with White Baffle |

### 6 in. Air-Tite Super Trim Reflector

Cooper Lighting

For use with HALO® Housings: H7RICT, H7RICAT, H7ICT, H7ICAT, H7ICATNB, H7ICTNB, H7T, H7RT.



| Mfg. No. | Advanced ID | Color   |
|----------|-------------|---|
| 30CAT    | 96008024    | White Trim Ring with Clear Specular Reflector |

### 6 in. Coilex Baffle

Cooper Lighting

For use with HALO® Housing H7ICT, H7ICAT, H7RICT, H7RICAT or H7T, H7RT, H27RT.

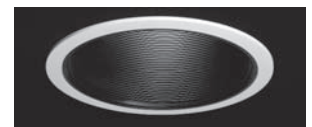


| Mfg. No. | Advanced ID | Color                             |
|----------|-------------|-----------------------------------|
| 310P     | 88122382    | White Trim Ring with Black Baffle |
| 310W     | 92038560    | White Trim Ring with White Baffle |

### 6 in. Coilex Baffle

Cooper Lighting

For use with HALO® Housing H7T, H7RT.



| Mfg. No. | Advanced ID | Color                             |
|----------|-------------|-----------------------------------|
| 410P     | 88122418    | White Trim Ring with Black Baffle |
| 410W     | 92038561    | White Trim Ring with White Baffle |

### 6 in. Open

Cooper Lighting

For use with HALO® Housing H7RICT, H7RICAT, H7ICT, H7ICAT, H7ICATNB, H7ICTNB, H27ICT, H27RICT.



| Mfg. No. | Advanced ID | Color           |
|----------|-------------|-----------------|
| 300P     | 94008979    | White Trim Ring |



### 6 in. Open

Cooper Lighting

For use with HALO® Housing H7T, H7RT, H27RT or H27RT.



| Mfg. No. | Advanced ID | Color           |
|----------|-------------|-----------------|
| 301P     | 88122372    | White Trim Ring |

### 6 in. Drop Opal with Reflector Cone

Cooper Lighting

HALO 6 in. Drop Opal with Reflector Cone - Wet Location Listed Air-Tite Shower Light. For use with HALO® Housing H7RICT, H7RICAT, H7ICT, H7ICAT, H7ICATNB, H7ICTNB or H27RT, H645IC.

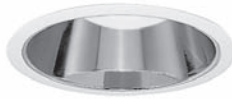


| Mfg. No. | Advanced ID | Color           |
|----------|-------------|-----------------|
| 171PS    | 90003430    | White Trim Ring |

### 6 in. Reflector Cone

Cooper Lighting

For use with HALO® Housing H7ICT, H7ICAT, H7RICT, H7RICAT, H27ICT, H27RICT, H7T, H7RT, H27T.



| Mfg. No. | Advanced ID | Color                                |
|----------|-------------|--------------------------------------|
| 426      | 88122427    | White Trim Ring with Clear Reflector |

### 6 in. Specular Reflector

Cooper Lighting

For use with HALO® Housing H7T, H7RT.



| Mfg. No. | Advanced ID | Color   |
|----------|-------------|---|
| 405SC    | 88122408    | White Trim Ring with Clear Specular Reflector |

### 6 in. Eyeball 30 Degree Tilt

Cooper Lighting

For use with HALO® Housing H7ICT, H7ICAT, H7RICT, H7RICAT, H7ICATNB, H7ICTNB, H7T, H7RT, H27ICT, H27RICT, H27T.



| Mfg. No. | Advanced ID | Color |
|----------|-------------|-------|
| 78P      | 88122497    | White |

### 6 in. Glass Drop Opal Wet Location Listed Air-Tite Shower Light

Cooper Lighting

For use with HALO® Housing H27T or H7T, H7RT.



| Mfg. No. | Advanced ID | Color           |
|----------|-------------|-----------------|
| 71PS     | 88122474    | White Trim Ring |

### 6 in. Shower Light - Albalite Lens

Cooper Lighting

HALO Albalite Lens with Reflector Cone - Wet Location Listed Air-Tite Shower Light. For use with HALO® Housing H7RICT, H7RICAT, H7ICT, H7ICAT, H7ICATNB, H7ICTNB, H27RT, or H645IC.



| Mfg. No. | Advanced ID | Color |
|----------|-------------|-------|
| 170PS    | 88309297    | -     |

### 6 in. Shower Trim

Cooper Lighting

HALO 6 in. Wet Location Listed Shower Light. For use with HALO® Housing H7RICT, H7RICAT, H7ICT, H7ICAT, H7ICATNB, H7ICTNB, H27ICT, H27RICT or H27T.



| Mfg. No. | Advanced ID | Color           |
|----------|-------------|-----------------|
| 172PS    | 99506858    | White Trim Ring |

### 6 in. Albalite Lens Wet Location Listed Air-Tite Shower Light

Cooper Lighting

For use with HALO® Housing H17T, H7T, H7RT.



| Mfg. No. | Advanced ID | Color           |
|----------|-------------|-----------------|
| 70PS     | 88122469    | White Trim Ring |

### L3 / L3R

Lithonia Lighting

3 in. New Construction IC/Non-IC Housing. (L3R remodel).



| Mfg. No. | Advanced ID     | Dimensions  |
|----------|-----------------|---|
| L3 M6    | <b>97127851</b> | 10 <sup>3</sup> / <sub>4</sub> in. x 13 <sup>1</sup> / <sub>2</sub> in. x 5 <sup>1</sup> / <sub>4</sub> in. |
| L3R M6   | <b>97127853</b> | 10 <sup>1</sup> / <sub>8</sub> in. x 5 <sup>1</sup> / <sub>4</sub> in. x 4 <sup>1</sup> / <sub>2</sub> in.  |

### L5 / L5R

Lithonia Lighting

5 in. New Construction IC/Non-IC Housing. (L5R remodel).



| Mfg. No. | Advanced ID     | Dimensions  |
|----------|-----------------|---|
| L5 M6    | <b>99473567</b> | 12 <sup>3</sup> / <sub>8</sub> in. x 13 <sup>1</sup> / <sub>2</sub> in. x 7 <sup>1</sup> / <sub>2</sub> in. |
| L5R M6   | <b>99473576</b> | 11 <sup>1</sup> / <sub>4</sub> in. x 7 <sup>1</sup> / <sub>2</sub> in. x 6 <sup>1</sup> / <sub>8</sub> in.  |

### L7X / L7XR

Lithonia Lighting

6 in. New Construction IC/Non-IC Air Tight Housing (L7R remodel).

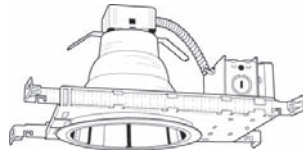


| Mfg. No. | Advanced ID     | Dimensions   |
|----------|-----------------|--|
| L7X R6   | <b>22072069</b> | 15 in. x 13 <sup>1</sup> / <sub>3</sub> in. x 7 <sup>1</sup> / <sub>2</sub> in.                            |
| L7XR M6  | <b>97128025</b> | 12 <sup>1</sup> / <sub>4</sub> in. x 7 <sup>1</sup> / <sub>2</sub> in. x 7 <sup>1</sup> / <sub>4</sub> in. |

### LF6

Lithonia Lighting

6 in. Horizontal Fluorescent Recessed Frame-In rated Non IC for new construction. Approved for all wiring types, including air-handling plenums. Multivolt 120 - 277.



Features

- Housings are Designed to Provide the Easiest Installation in the Industry While Requiring the Fewest SKUs for Standard Applications.

| Mfg. No.          | Advanced ID     | Dimensions  |
|-------------------|-----------------|---|
| LF6 2/26DTT MVOLT | <b>22085981</b> | 13 in. x 13 in. x 6 <sup>1</sup> / <sub>2</sub> in. |

### LP6F

Lithonia Lighting

6 in. Vertical Fluorescent Recessed Frame-In rated Non IC for new construction. Approved for all wiring types, including air-handling plenums. Multivolt 120 - 277.



Features

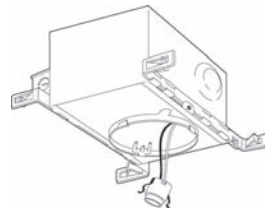
- Housings are Designed to Provide the Easiest Installation in the Industry While Requiring the Fewest SKUs for Standard Applications

| Mfg. No.            | Advanced ID     | Dimensions  |
|---------------------|-----------------|---|
| LP6F 26-42TRT MVOLT | <b>22085977</b> | 13 x 12 <sup>1</sup> / <sub>4</sub> x 6 <sup>7</sup> / <sub>8</sub> |

### LI6

Lithonia Lighting

6 in. New Construction High Wattage/Sloped Ceiling IC Housing (L5R remodel).

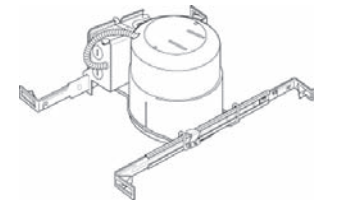


| Mfg. No. | Advanced ID     | Dimensions  |
|----------|-----------------|---|
| LI6      | <b>94033993</b> | 13 <sup>1</sup> / <sub>4</sub> x 12 <sup>3</sup> / <sub>4</sub> x 6 <sup>1</sup> / <sub>2</sub> |

### L7XF

Lithonia Lighting

6 in. New Construction Fluorescent Housing. (LX7R remodel).



| Mfg. No.              | Advanced ID     | Dimensions  |
|-----------------------|-----------------|---|
| L7XF 13DTT 120 NPF R6 | <b>22120730</b> | 15 x 13 <sup>1</sup> / <sub>4</sub> x 6 <sup>7</sup> / <sub>8</sub> |

### LP6

Lithonia Lighting

6 in. Incandescent Non IC Commercial Housing for new construction. Approved for all wiring types, including air-handling plenums.



Features

- Housings are Designed to Provide the Easiest Installation in the Industry While Requiring the Fewest SKUs for Standard Applications

| Mfg. No.            | Advanced ID     | Dimensions  |
|---------------------|-----------------|---|
| LP6 J6              | <b>89039294</b> | 13 x 12 <sup>1</sup> / <sub>4</sub> x 6 <sup>7</sup> / <sub>8</sub> |
| LP6F 26-42TRT MVOLT | <b>22085977</b> | 13 x 12 <sup>1</sup> / <sub>4</sub> x 6 <sup>7</sup> / <sub>8</sub> |

### 3 in. Shallow Baffle Trim

Lithonia Lighting

For Use With

L3 (IC - 30W R20, 35W PAR20; Non IC - 50W R20, 50W PAR20, 60W PAR16) or L3R (Non IC 75W R20, 50W PAR20, 60W PAR16).



| Mfg. No. | Advanced ID     | Color        |
|----------|-----------------|--------------|
| 3B1W M12 | <b>97144410</b> | White baffle |

### 3 in. Deep Baffle Trim

Lithonia Lighting

For Use With

L3 (IC - 30W R20, 35W PAR20; Non IC - 50W R20, 50W PAR20, 60W PAR16) or L3R (Non IC 75W R20, 50W PAR20, 60W PAR16).



| Mfg. No. | Advanced ID | Color        |
|----------|-------------|--------------|
| 3B2W M12 | 97128028    | White baffle |

### 3 in. Eyeball Trim

Lithonia Lighting

For Use With

L3 (IC - 30W R20, 35W PAR20; Non IC - 50W R20, 50W PAR20, 60W PAR16) or L3R (Non IC 75W R20, 50W PAR20, 60W PAR16).



| Mfg. No. | Advanced ID | Color |
|----------|-------------|-------|
| 3E1 M6   | 97128032    | White |

### 5 in. Deep Baffle Trim

Lithonia Lighting

For Use With

L5 / L5R IC rated 50W R20, 65W BR30, 50W PAR30, 60W PAR38.



| Mfg. No. | Advanced ID | Color |
|----------|-------------|-------|
| 5B2W M12 | 99473570    | White |

### 6 in. Commercial Horizontal Fluorescent Open Reflector

Lithonia Lighting

Features

• Recessed Trims Offer a Full Reflector Design, which Maximizes Lamp Position and Provides an Exceptional Overall Appearance

For Use With

LF6 2/26DTT



| Mfg. No. | Advanced ID | Color          |
|----------|-------------|----------------|
| F6O2AZ   | 99869224    | Clear Specular |
| F6O2A    | 99443059    | Clear Diffuse  |

### 6 in. Commercial Vertical Fluorescent Open Reflector

Lithonia Lighting

Features

• Recessed Trims Offer a Full Reflector Design, which Maximizes Lamp Position and Provides an Exceptional Overall

Appearance

For Use With:

LP6F 18DTT, 42TRT



| Mfg. No. | Advanced ID | Color          |
|----------|-------------|----------------|
| 6O7AZ    | 22085979    | Clear Specular |

### 6 in. Open White Reflector, Wide Flange

Lithonia Lighting

For Use With

L7X, L7XR IC rated 65W BR30, 75W PAR30.



| Mfg. No. | Advanced ID | Color |
|----------|-------------|-------|
| 6O1 M6   | 96044099    | White |

### 6 in. Open White Reflector, Narrow Flange

Lithonia Lighting

For Use With

LI6 IC rated 60W A19, 90W BR40, 100W PAR38  
L7XF IC 13DTT Non IC 18DTT, 18TRT.



| Mfg. No. | Advanced ID | Color |
|----------|-------------|-------|
| 6O2 M6   | 96044101    | White |

### 6 in. Polycarbonate Lens Trim

Lithonia Lighting

Shower trim-drop polycarbonate lens with plastic flange.

For Use With

L7XP



| Mfg. No.   | Advanced ID | Color |
|------------|-------------|-------|
| 7LD1 PF M6 | 97279311    | White |

### 6 in. Premium Baffled Sloped Ceiling

Lithonia Lighting

For Use With

LI6 65W BR30, 75W PAR30, 90W BR40, 100W PAR38.



| Mfg. No. | Advanced ID | Color        |
|----------|-------------|--------------|
| 6SB1W    | 94056693    | White Baffle |
| 6SB1     | 95029928    | Black Baffle |

## IC1

### Juno Lighting

4 in. Miniature energy efficient Air-Loc rated IC. New construction.



#### Benefits

- Saves Heating and Cooling Energy
- Reduces Moisture Condensation and Noise
- Air-Loc Energy Conserving Design, No Gasket Required

| Mfg. No. | Advanced ID     | Dimensions   |
|----------|-----------------|--|
| IC1      | <b>88297866</b> | 9 <sup>1</sup> / <sub>8</sub> L x 6 <sup>3</sup> / <sub>4</sub> W x 6H |

## IC20

### Juno Lighting

5 in. Energy efficient Air-Loc rated IC housing. New construction.



#### Benefits

- Housing is Fully Assembled for Ease of Installation
- Housing is Vertically Adjustable to Accommodate Up to a 1" Ceiling Thickness
- UL Listed, C-UL/CSA Certified for Through-Branch Wiring

| Mfg. No. | Advanced ID     | Dimensions  |
|----------|-----------------|---|
| IC20     | <b>89085041</b> | 12 <sup>3</sup> / <sub>4</sub> L x 6 <sup>1</sup> / <sub>16</sub> W x 7 <sup>1</sup> / <sub>2</sub> H |

## IC22 / IC22R

### Juno Lighting

6 in. Economy energy efficient Air-Loc rated IC housing. New construction (IC22R remodel).



#### Benefits

- Housing is Fully Assembled for Ease of Installation
- Housing is Vertically Adjustable to Accommodate Up to a 1" Ceiling Thickness
- UL Listed, C-UL/CSA Certified for Through-Branch Wiring

| Mfg. No. | Advanced ID     | Dimensions  |
|----------|-----------------|---|
| IC22     | <b>88297851</b> | 13L x 7 <sup>3</sup> / <sub>4</sub> W x 7 <sup>1</sup> / <sub>8</sub> H                               |
| IC22R    | <b>96008378</b> | 13 <sup>3</sup> / <sub>4</sub> L x 7 <sup>5</sup> / <sub>16</sub> W x 7 <sup>1</sup> / <sub>8</sub> H |

## IC23

### Juno Lighting

6 in. Economy energy efficient Air-Loc rated IC housing with Floating Socket. New construction (IC22R remodel).



#### Benefits

- Housing is Fully Assembled for Ease of Installation
- Housing is Vertically Adjustable to Accommodate Up to a 1" Ceiling Thickness
- UL Listed, C-UL/CSA Certified for Through-Branch Wiring

| Mfg. No. | Advanced ID     | Dimensions  |
|----------|-----------------|---|
| IC23     | <b>22086307</b> | 13L x 7 <sup>3</sup> / <sub>4</sub> W x 7 <sup>1</sup> / <sub>8</sub> H |

## IC44N

### Juno Lighting

4 in. 12 Volt - New Construction IC rated energy efficient Air-Loc housing.



100986

#### Benefits

- Housing is Fully Assembled for Ease of Installation
- Housing is Vertically Adjustable to Accommodate Up to a 1" Ceiling Thickness
- UL Listed, C-UL/CSA Certified for Through-Branch Wiring

| Mfg. No. | Advanced ID     | Dimensions   |
|----------|-----------------|--|
| IC44N    | <b>92122754</b> | 18 <sup>1</sup> / <sub>4</sub> L x 8 <sup>5</sup> / <sub>16</sub> W x 7 <sup>1</sup> / <sub>16</sub> H |

## TC44 / TC44R

### Juno Lighting

4 in. 12 Volt - Non-IC rated new construction. (TC44R remodel).



#### Benefits

- Housing is Fully Assembled for Ease of Installation
- Housing is Vertically Adjustable to Accommodate Up to a 1" Ceiling Thickness
- UL Listed, C-UL/CSA Certified for Through-Branch Wiring

| Mfg. No. | Advanced ID     | Dimensions   |
|----------|-----------------|--|
| TC44     | <b>88297417</b> | 12 <sup>13</sup> / <sub>16</sub> L x 6W x 5 <sup>1</sup> / <sub>4</sub> H                            |
| TC44R    | <b>88297418</b> | 10 <sup>1</sup> / <sub>2</sub> L x 4 <sup>7</sup> / <sub>8</sub> W x 5 <sup>1</sup> / <sub>4</sub> H |

## TC1 / TC1R

### Juno Lighting

4 in. Non IC rated Incandescent housing - (TC1R remodel).



| Mfg. No. | Advanced ID     | Dimensions   |
|----------|-----------------|--|
| TC1R     | <b>96015872</b> | 11 <sup>1</sup> / <sub>2</sub> x 4 <sup>3</sup> / <sub>4</sub> x 5 <sup>1</sup> / <sub>4</sub> |
| TC1      | <b>88297865</b> | 9 <sup>1</sup> / <sub>8</sub> x 6 <sup>3</sup> / <sub>4</sub> x 5 <sup>3</sup> / <sub>8</sub>  |

## TC2 / TC2R

### Juno Lighting

6 in. Non IC rated Incandescent housing - (TC2R remodel).

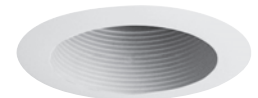


| Mfg. No. | Advanced ID     | Dimensions  |
|----------|-----------------|---|
| TC2R     | <b>96009483</b> | 13 <sup>3</sup> / <sub>4</sub> L x 7 <sup>3</sup> / <sub>16</sub> W x 7 <sup>1</sup> / <sub>4</sub> H |
| TC2      | <b>88297854</b> | 13L x 7 <sup>3</sup> / <sub>4</sub> W x 7 <sup>1</sup> / <sub>2</sub> H                               |

## 4 in. Downlight Baffle Trim

### Juno Lighting

3<sup>1</sup>/<sub>2</sub> in. Aperture. IC/Non IC rated for 50 watt PAR20/R20 lamp.



#### Benefits

- White Baffle Blends with Ceiling when Not Illuminated
- Black Baffle Provides for Low Aperture Brightness
- Grooved Baffle Reduces Glare

#### For Use With

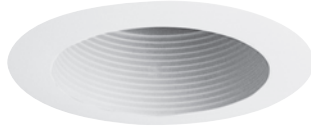
IC1, TC1 and TC1R

| Mfg. No. | Advanced ID     | Color                              |
|----------|-----------------|------------------------------------|
| 14B-WH   | <b>88297874</b> | Black Baffle - White Trim          |
| 14B-PB   | <b>92053429</b> | Black Baffle - Polished Brass Trim |
| 14B-SC   | <b>22109327</b> | Black Baffle - Satin Chrome Trim   |
| 14W-WH   | <b>92038568</b> | White Baffle - White Trim          |

### 4 in. Downlight or Adjustable Baffle

#### Juno Lighting

Baffle trim, white trim ring, available with black or white baffle. 50 watt (TC47 only - 50-75 watt) MR16 rating. 4<sup>7</sup>/<sub>8</sub> in. diameter. Also available with Satin Chrome trim ring.



#### Benefits

- White Baffle Blends with Ceiling when not Illuminated
- Black Baffle Provides for Low Aperture Brightness

#### Features

- Grooved Baffle Reduces Glare
- Adjustable Aiming or Downlighting
- 35° Vertical Adjustment
- 358° Rotation

#### For Use With

IC44N, TC44, TC44R, and TC47

| Mfg. No. | Advanced ID     | Color                            |
|----------|-----------------|----------------------------------|
| 444B-WH  | <b>88297420</b> | Black Baffle - White Trim        |
| 444B-SC  | <b>99837634</b> | Black Baffle - Satin Chrome Trim |
| 444W-WH  | <b>92122735</b> | White Baffle - White Trim        |

### 4 in. PAR20 Lensed Trim

#### Juno Lighting

Shower trim with perimeter frosted lens. Wet location approved. IC rated for 30 watt R20 or 50 watt PAR20 (must use Juno socket extender T599). Non IC rated for 50 watt PAR20/R20. 4<sup>7</sup>/<sub>8</sub> in. diameter. Also available with a Satin Chrome trim ring.



#### Benefits

- Frosted Perimeter Reduces Glare

#### Features

- Gasketed for Use in a Wet Location

#### For Use With

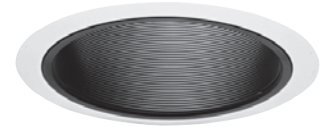
IC1, TC1 and TCI

| Mfg. No. | Advanced ID     | Color        |
|----------|-----------------|--------------|
| 12W-WH   | <b>99517188</b> | White        |
| 12W-SC   | <b>22109326</b> | Satin Chrome |

### 6 in. Straight Baffle Trim

#### Juno Lighting

Baffle trim, white trim ring, available with black or white baffle. IC rated for 85 watt BR40/90 watt PAR38. Non IC rated for 150 watt PAR38/120 watt BR40. 7<sup>5</sup>/<sub>8</sub> in. diameter. Also available with Polished Brass or Satin Chrome trim ring.



#### Benefits

- White Baffle Blends with Ceiling when not Illuminated
- Black Baffle Provides for Low Aperture Brightness
- Higher Wattage Rating than Conical Trim
- Grooved Baffle Reduces Glare

#### For Use With

IC2, TC2 and TC2R

| Mfg. No. | Advanced ID     | Color                              |
|----------|-----------------|------------------------------------|
| 25B-WH   | <b>88297830</b> | Black Baffle - White Trim          |
| 25B-PB   | <b>92053695</b> | Black Baffle - Polished Brass Trim |
| 25B-SC   | <b>22109331</b> | Black Baffle - Satin Chrome Trim   |
| 25W-WH   | <b>91022455</b> | White Baffle - White Trim          |

### 6 in. Tapered Baffle Trim

#### Juno Lighting

Baffle trim, white trim ring, available with black or white baffle. IC rated for 75 watt PAR30L/65 watt BR30. 7<sup>5</sup>/<sub>8</sub> in. diameter. Also available with Polished Brass or Satin Chrome trim ring.



#### Benefits

- White Baffle Blends with Ceiling when not Illuminated
- Black Baffle Provides for Low Aperture Brightness
- Grooved Baffle Reduces Glare

#### For Use With

IC2, TC2 and TC2R

| Mfg. No. | Advanced ID     | Color          |
|----------|-----------------|----------------|
| 24B-WH   | <b>88297848</b> | White          |
| 24B-PB   | <b>89053332</b> | Polished Brass |
| 24B-SC   | <b>22109330</b> | Satin Chrome   |
| 24W-WH   | <b>91022454</b> | White          |



## 6 in. Drop Opal with Reflector Shower / Closet Light Trim

### Juno Lighting

Drop Opal lens shower or closet trim. Wet location listed. IC rated for 40 watt A19, Non IC rated for 75 watt A19. 8 in. diameter trim ring.

#### Benefits

- May be Used in Closets or Wet Locations

#### Features

- Gasketed for Use in Wet Locations

#### For Use With

IC2, TC2 and TC2R.



**Mfg. No.**  
21-PW

**Advanced ID**  
**89085031**

**Color**  
Plastic White

## 6 in. Drop Opal Reflector Shower / Closet Light Trim

### Juno Lighting

Drop Opal lens shower or closet trim. Wet location listed. IC rated for 60 watt A19, Non IC rated for 100 watt A19. 8 in. diameter trim ring.

#### Benefits

- May be Used in Closets or Wet Locations

#### Features

- Gasketed for Use in Wet Locations

#### For Use With

IC2, TC2 and TC2R.



**Mfg. No.**  
241-PW

**Advanced ID**  
**89053329**

**Color**  
White

## All-Purpose Wall Mount

### Lithonia Lighting

For multi-purpose areas such as corridors, utility rooms and lavatories where high vertical illumination is required. Suitable for wall or ceiling mounting.

#### Features

- Vertically or Horizontal Mounting
- Steel Housing
- Easy-Maintenance Design
- Endcaps are Spring-Loaded for Easy Diffuser Removal, No Tools Required
- UL Listed



| Mfg. No.                                | Advanced ID     | Lamp Qty | Lamp Type | Lamp Wattage | Voltage     | Dimensions   | Ballast Qty | Ballast Type    |
|---|-----------------|----------|-----------|--------------|-------------|--|-------------|-----------------|
| <b>Matt White Opal Acrylic Diffuser</b> |                 |          |           |              |             |  |             |                 |
| WC 2 32 MVOLT GEB10IS                   | <b>97209805</b> | 2        | F32T8     | 32           | 120V - 277V | 4 <sup>5</sup> / <sub>8</sub> x 4 <sup>5</sup> / <sub>8</sub> x 48 | 1           | Electronic IS * |
| *Instant Start Ballast                  |                 |          |           |              |             |  |             |                 |



### Ceiling - Classic Round

Sea Gull Lighting®

White glass shade. 60 watt max, medium base.



| Mfg. No. | Advanced ID     | Lamp Qty | Shade Finish | Dimensions                                |
|----------|-----------------|----------|--------------|---|
| 7353-15  | <b>90094308</b> | 2        | White        | 4 <sup>3</sup> / <sub>4</sub> H x 12 dia. |

### Ceiling - Classic Round with Closed Top

Sea Gull Lighting®

60 watt max, medium base.



| Mfg. No. | Advanced ID     | Lamp Qty | Shade Finish | Dimensions                                |
|----------|-----------------|----------|--------------|---|
| 6910-14  | <b>93158144</b> | 2        | White        | 4 H x 12 <sup>1</sup> / <sub>2</sub> dia. |

### Ceiling - Classic Square

Sea Gull Lighting®

White glass shade. 60 watt max, medium base.



| Mfg. No. | Advanced ID     | Lamp Qty | Shade Finish | Dimensions  |
|----------|-----------------|----------|--------------|---|
| 7452-15  | <b>90014713</b> | 2        | White        | 4 <sup>3</sup> / <sub>4</sub> H x 11 <sup>3</sup> / <sub>4</sub> W x 11 <sup>3</sup> / <sub>4</sub> D |

### Ceiling - Etched Alabaster Style Glass

Progress Lighting

One- or two-light close-to-ceiling fixture with etched alabaster style glass. Ideal for providing adequate lighting when lack of space is a problem. UL listed for damp locations.



Features

- Twist-On Glass for Easy

| Relamping Mfg. No. | Advanced ID     | Shade Finish     | Dimensions  |
|--------------------|-----------------|------------------|---|
| P3688-33           | <b>99489592</b> | Etched Alabaster | 4 <sup>3</sup> / <sub>4</sub> H x 11 <sup>1</sup> / <sub>2</sub> Dia. |
| P3689-33           | <b>99489594</b> | Etched Alabaster | 4 <sup>3</sup> / <sub>4</sub> H x 14 Dia.                             |

### Ceiling - Etched Satin Swirled Glass

Progress Lighting

Two-light close-to-ceiling fixture with textured white painted finish. 60 watt max, medium base lamps.



| Mfg. No. | Advanced ID     | Lamp Qty | Shade Finish          | Dimensions                                |
|----------|-----------------|----------|-----------------------|---|
| P3536-30 | <b>94002963</b> | 2        | Swirled, satin etched | 6 H x 11 <sup>3</sup> / <sub>4</sub> Dia. |

### Ceiling - Fitter, Snap-in

Progress Lighting

Fitter with white glass. 60 watt max, medium base lamp.



Benefits

- Ideal for Providing Adequate Lighting when Lack of Space is a Problem

| Mfg. No. | Advanced ID     | Lamp Qty | Shade Finish | Dimensions   |
|----------|-----------------|----------|--------------|--|
| P3408-30 | <b>88211197</b> | 1        | White        | 4 <sup>3</sup> / <sub>8</sub> H x 7 <sup>1</sup> / <sub>2</sub> Dia. |
| P3410-30 | <b>88211201</b> | 2        | White        | 5 <sup>1</sup> / <sub>4</sub> H x 9 <sup>1</sup> / <sub>2</sub> Dia. |

### Ceiling - Fitter, Thumb Screw

Progress Lighting

White glass. 75 watt max, medium base lamps. UL listed for damp locations.



| Mfg. No. | Advanced ID     | Lamp Qty | Shade Finish | Dimensions  |
|----------|-----------------|----------|--------------|---|
| P3412-30 | <b>89089012</b> | 2        | White        | 5 <sup>3</sup> / <sub>4</sub> H x 11 <sup>3</sup> / <sub>4</sub> Dia. |

### Ceiling - Globe

Progress Lighting

Close-to-ceiling shatter resistant glass globes-white finish. 60 watt max, medium base lamp.

Benefits

- P3605-30 has KD for Switch
- P3705-30 Takes 1 Med Base 100W Max Lamp



| Mfg. No. | Advanced ID     | Lamp Qty | Shade Finish | Dimensions    |
|----------|-----------------|----------|--------------|---------------|
| P3605-30 | <b>88211226</b> | 1        | White        | 7¼ H x 6 Dia. |
| P3705-30 | <b>88211287</b> | 1        | White        | 9½ H x 8 Dia. |

### Ceiling - Mushroom, White Glass

Sea Gull Lighting®

60 watt max, medium base.



| Mfg. No. | Advanced ID     | Lamp Qty | Shade Finish | Dimensions    |
|----------|-----------------|----------|--------------|---------------|
| 5326-02  | <b>93158408</b> | 1        | White        | 4¾ H x 8 dia. |
| 5326-15  | <b>90014709</b> | 1        | White        | 4¾ H x 8 dia. |
| 5328-02  | <b>93158404</b> | 2        | White        | 5 H x 9½ dia. |
| 5328-15  | <b>90014710</b> | 2        | White        | 5 H x 9½ dia. |

### Ceiling - Melon Shaped Clear Ribbed Glass

Sea Gull Lighting®

60 Watt max, medium base.



| Mfg. No. | Advanced ID     | Lamp Qty | Shade Finish       | Dimensions     |
|----------|-----------------|----------|--------------------|----------------|
| 7596-02  | <b>95045938</b> | 2        | Clear Ribbed Glass | 7½ H x 13 dia. |

### Ceiling - Octagon

Sea Gull Lighting®

Polished Brass with Clear Beveled Glass. 25 W Max (G-16 1/2).



| Mfg. No. | Advanced ID     | Lamp Qty | Shade Finish        | Dimensions    |
|----------|-----------------|----------|---------------------|---------------|
| 7661-02  | <b>93158024</b> | 3        | Clear Beveled Glass | 6 H x 9¼ dia  |
| 7662-02  | <b>93158022</b> | 4        | Clear Beveled Glass | 6½ H x 11 dia |

Clear Bulb Recommended

### Ceiling - Melon Shaped Satin White Glass

Sea Gull Lighting®

100 Watt max, medium base.



| Mfg. No. | Advanced ID     | Lamp Qty | Shade Finish | Dimensions      |
|----------|-----------------|----------|--------------|-----------------|
| 7504-15  | <b>95045959</b> | 1        | Satin White  | 6¼ H x 11½ dia. |

### Ceiling - White Glass Globe

Sea Gull Lighting®

60 watt max, medium base.



| Mfg. No. | Advanced ID     | Lamp Qty | Shade Finish      | Dimensions   |
|----------|-----------------|----------|-------------------|--------------|
| 5366-02  | <b>93158384</b> | 1        | White Glass Globe | 7¾H x 6 Dia. |
| 5366-15  | <b>93158385</b> | 1        | White Glass Globe | 7¾H x 6 Dia. |

### Ceiling - Mushroom, Clear Ribbed Glass

Sea Gull Lighting®

60 watt max, medium base.



| Mfg. No. | Advanced ID     | Lamp Qty | Shade Finish       | Dimensions    |
|----------|-----------------|----------|--------------------|---------------|
| 5338-02  | <b>93158398</b> | 2        | Clear Ribbed Glass | 5 H x 9½ dia. |
| 5338-15  | <b>97103012</b> | 2        | Clear Ribbed Glass | 5 H x 9½ dia. |

### Chandelier - 5 Light

Progress Lighting

Five Candelabra lamps, 60 watt max. Polished brass finish.



| Mfg. No. | Advanced ID     | Lamp Qty | Shade Finish | Dimensions      |
|----------|-----------------|----------|--------------|-----------------|
| P4009-10 | <b>88211421</b> | 5        | -            | 15 H x 17½ Dia. |

### Chandelier - Bedford Collection

Progress Lighting



Etched alabaster glass shades and center column. Medium Base lamps, each 100W max. Oxford Silver finish (-44) and Cobblestone finish (-33).

| Mfg. No. | Advanced ID     | Lamp Qty | Shade Finish     | Dimensions   |
|----------|-----------------|----------|------------------|--|
| P4390-44 | <b>99489650</b> | 3        | Etched Alabaster | 15 <sup>5</sup> / <sub>8</sub> H x 19 <sup>1</sup> / <sub>2</sub> Dia. |
| P4390-33 | <b>99489649</b> | 3        | Etched Alabaster | 15 <sup>5</sup> / <sub>8</sub> H x 19 <sup>1</sup> / <sub>2</sub> Dia. |
| P4391-44 | <b>99489652</b> | 5        | Etched Alabaster | 16 H x 22 <sup>1</sup> / <sub>2</sub> Dia.                             |
| P4391-33 | <b>99489651</b> | 5        | Etched Alabaster | 16H x 22 <sup>1</sup> / <sub>2</sub> Dia.                              |

### Chandelier - Traditional Colonial Style Polished Brass

Sea Gull Lighting®

Candelabra lamps, 60 watt max.



| Mfg. No. | Advanced ID     | Lamp Qty | Shade Finish | Dimensions   |
|----------|-----------------|----------|--------------|--|
| 3410-02  | <b>95046200</b> | 5        | -            | 18 <sup>1</sup> / <sub>4</sub> H x 23 <sup>1</sup> / <sub>2</sub> dia. |

Clear bulb recommended

### Pendant - Bedford Collection, Chain Hung

Progress Lighting

Bedford Collection. Chain & ceiling mounts both included. 150 watt max, medium base lamp. Cobblestone finish.



| Mfg. No. | Advanced ID     | Lamp Qty | Shade Finish     | Dimensions   |
|----------|-----------------|----------|------------------|--|
| P3788-33 | <b>99489612</b> | 1        | Etched Alabaster | 14 <sup>1</sup> / <sub>2</sub> H x 10 <sup>1</sup> / <sub>2</sub> Dia. |

### Pendant - Bedford Collection, Chain Hung

Progress Lighting

One-light pendant. 150 watt max, medium base lamp.



| Mfg. No. | Advanced ID     | Lamp Qty | Shade Finish     | Dimensions   |
|----------|-----------------|----------|------------------|--|
| P5090-33 | <b>99489657</b> | 1        | Etched Alabaster | 11 <sup>1</sup> / <sub>4</sub> H x 15 <sup>5</sup> / <sub>8</sub> Dia. |

### Pendant - Opal Cased Globes

Progress Lighting

White cord, canopy and cap. 100 watt max, medium base lamp. Opal cased globes provide evenly diffused illumination.



| Mfg. No. | Advanced ID     | Lamp Qty | Shade Finish | Dimensions     |
|----------|-----------------|----------|--------------|----------------|
| P4402-29 | <b>88211562</b> | 1        | Opal         | 50 H x 10 Dia. |

### Wall Mount - Bath and Vanity

Sea Gull Lighting®



4871-05



4872-05

Chrome with clear ribbed glass tulip shades. Two or three light fixture. 100 watt max, medium base lamp.

| Mfg. No. | Advanced ID     | Lamp Qty | Shade Finish | Dimensions  |
|----------|-----------------|----------|--------------|---|
| 4871-05  | <b>95046105</b> | 2        | Clear Ribbed | 7 <sup>3</sup> / <sub>4</sub> H x 13 <sup>1</sup> / <sub>4</sub> W x 7 <sup>1</sup> / <sub>2</sub> Ext. |
| 4872-05  | <b>95046103</b> | 3        | Clear Ribbed | 6 <sup>1</sup> / <sub>2</sub> H x 17 W x 8 <sup>1</sup> / <sub>2</sub> Ext.                             |

Clear bulb recommended

### Wall Mount - Bath & Vanity Chrome Bar

Sea Gull Lighting®

Clear Ribbed Acrylic Diffusers. 75 watt max, medium base lamp.



| Mfg. No. | Advanced ID     | Lamp Qty | Shade Finish | Dimensions  |
|----------|-----------------|----------|--------------|---|
| 4723-05  | <b>95046150</b> | 2        | Clear Ribbed | 4 <sup>1</sup> / <sub>4</sub> H x 24 W x 6 <sup>3</sup> / <sub>4</sub> Ext. |
| 4724-05  | <b>95046149</b> | 3        | Clear Ribbed | 4 <sup>1</sup> / <sub>4</sub> H x 36 W x 6 <sup>3</sup> / <sub>4</sub> Ext. |

### Wall Mount - Bath & Vanity Chrome Hollywood Bar

Sea Gull Lighting®

100 watt max, medium base G-25 lamps. Sockets spaced on 6 in. centers.



| Mfg. No. | Advanced ID     | Lamp Qty | Shade Finish | Dimensions  |
|----------|-----------------|----------|--------------|---|
| 4737-05  | <b>93158623</b> | 3        | -            | 4 <sup>1</sup> / <sub>4</sub> H x 18 W x 2 <sup>1</sup> / <sub>4</sub> Ext. |
| 4738-05  | <b>93158619</b> | 4        | -            | 4 <sup>1</sup> / <sub>4</sub> H x 24 W x 2 <sup>1</sup> / <sub>4</sub> Ext. |
| 4735-05  | <b>93158627</b> | 5        | -            | 4 <sup>1</sup> / <sub>4</sub> H x 30 W x 2 <sup>1</sup> / <sub>4</sub> Ext. |
| 4739-05  | <b>93158615</b> | 6        | -            | 4 <sup>1</sup> / <sub>4</sub> H x 36 W x 2 <sup>1</sup> / <sub>4</sub> Ext. |
| 4740-05  | <b>93158611</b> | 8        | -            | 4 <sup>1</sup> / <sub>4</sub> H x 48 W x 2 <sup>1</sup> / <sub>4</sub> Ext. |

### Wall Mount - Bath and Vanity - Bedford Collection

Progress Lighting



One Light



Two Light



Three Light

One-, two- and three-light bath with etched alabaster style glass. Mount in down or up position. 100 watt max, medium base lamp.

#### Benefits

- Complements and Coordinates with Other Home Fixtures
- Cobblestone Finish

| Mfg. No. | Advanced ID     | Lamp Qty | Shade Finish     | Dimensions        |
|----------|-----------------|----------|------------------|-------------------|
| P3367-33 | <b>99489559</b> | 1        | Etched Alabaster | 8 1/2 H x 5 1/4 W |
| P3368-33 | <b>99489561</b> | 2        | Etched Alabaster | 8 1/2 H x 14 W    |
| P3369-33 | <b>99690963</b> | 3        | Etched Alabaster | 8 1/2 H x 16 W    |

### Wall Mount - Broadway Lights

Progress Lighting

Broadway lighting strips offered in -15 (white) and -30 (polished chrome). 60 watt max, medium base G lamps. Sockets are on 6 in. centers.



| Mfg. No. | Advanced ID     | Lamp Qty | Shade Finish | Dimensions     |
|----------|-----------------|----------|--------------|----------------|
| P3298-15 | <b>88211156</b> | 4        | -            | 4 1/4 H x 24 W |
| P3298-30 | <b>88211157</b> | 4        | -            | 4 1/4 H x 24 W |
| P3299-15 | <b>88211161</b> | 6        | -            | 4 1/4 H x 36 W |
| P3299-30 | <b>88211162</b> | 6        | -            | 4 1/4 H x 36 W |
| P3300-15 | <b>88211166</b> | 8        | -            | 4 1/4 H x 48 W |
| P3300-30 | <b>88211167</b> | 8        | -            | 4 1/4 H x 48 W |

### Wall Mount - Sconce

Sea Gull Lighting®

White Glass Shade. 100 watt max, medium base lamp. ADA compliant.



| Mfg. No. | Advanced ID     | Lamp Qty | Shade Finish | Dimensions              |
|----------|-----------------|----------|--------------|-------------------------|
| 4148-15  | <b>93158786</b> | 1        | White        | 6 H x 11 1/2 W x 4 Ext. |

### Ceiling Mount

Sea Gull Lighting®



Black



White

Polypropylene construction offers non-corrosive, rust-free, outdoor solution. Textured glass panels. 60 watt max, medium base lamp(s).

| Mfg. No. | Advanced ID     | Lamp Qty | Finish | Dimensions              |
|----------|-----------------|----------|--------|-------------------------|
| 7567-15  | <b>93158069</b> | 1        | White  | 4 3/4 x 8 1/4 x 8 1/4   |
| 7567-32  | <b>90014715</b> | 1        | Black  | 4 3/4 x 8 1/4 x 8 1/4   |
| 7569-15  | <b>93158066</b> | 2        | White  | 5 1/2 x 10 1/4 x 10 1/4 |

### Ceiling Mount - Non-Metallic

Progress Lighting

Outdoor ceiling light with one piece white acrylic diffuser. Non-Metallic construction offers non-corrosive, rust-free outdoor solution. Adds additional security lighting. 60 watt max, medium base lamp(s).



| Mfg. No. | Advanced ID     | Lamp Qty | Finish | Dimensions           |
|----------|-----------------|----------|--------|----------------------|
| P5744-30 | <b>89088946</b> | 1        | White  | 4 3/4 H x 8 1/4 sq.  |
| P5744-31 | <b>88211947</b> | 1        | Black  | 4 3/4 H x 8 1/4 sq.  |
| P5745-30 | <b>89088945</b> | 2        | White  | 5 1/2 H x 10 1/4 sq. |

### Wall Mount - Brass Torch Style

Progress Lighting

Solid brass outdoor lantern with beveled glass panels. One 60 watt max, medium base lamp. Provides additional security lighting.

- Extends 5 1/4 in.



| Mfg. No. | Advanced ID     | Lamp Qty | Finish               | Dimensions         |
|----------|-----------------|----------|----------------------|--------------------|
| P5845-10 | <b>92038202</b> | 1        | Polished Solid Brass | 13 1/2 H x 4 3/4 W |

### Wall Mount - Cast Aluminum Lantern

Progress Lighting

Welbourne Collection wall lantern with delicately detailed cast scroll arm combined with the brilliant clarity of clear, beveled glass. 100 watt max, medium base lamp.

- Extends 9 in.



| Mfg. No. | Advanced ID     | Lamp Qty | Finish         | Dimensions         |
|----------|-----------------|----------|----------------|--------------------|
| P5682-30 | <b>97203054</b> | 1        | Textured White | 13 1/4 H x 6 1/2 W |
| P5682-31 | <b>97203055</b> | 1        | Textured Black | 13 1/4 H x 6 1/2 W |

### Wall Mount - Classic Square Lantern

Sea Gull Lighting®

Solid brass with clear glass. 100 watt max, medium base lamp.



| Mfg. No. | Advanced ID     | Lamp Qty | Finish         | Dimensions   |
|----------|-----------------|----------|----------------|--|
| 8592-01  | <b>93157716</b> | 1        | Antique Brass  | 8 <sup>1</sup> / <sub>4</sub> H x 4 <sup>1</sup> / <sub>8</sub> W x 5 <sup>1</sup> / <sub>2</sub> Ext. |
| 8592-02  | <b>93157717</b> | 1        | Polished Brass | 8 <sup>1</sup> / <sub>4</sub> H x 4 <sup>1</sup> / <sub>8</sub> W x 5 <sup>1</sup> / <sub>2</sub> Ext. |
| 8592-12  | <b>98318912</b> | 1        | Black          | 8 <sup>1</sup> / <sub>4</sub> H x 4 <sup>1</sup> / <sub>8</sub> W x 5 <sup>1</sup> / <sub>2</sub> Ext. |
| 8592-15  | <b>95045842</b> | 1        | White          | 8 <sup>1</sup> / <sub>4</sub> H x 4 <sup>1</sup> / <sub>8</sub> W x 5 <sup>1</sup> / <sub>2</sub> Ext. |
| 8592-26  | <b>97103075</b> | 1        | Sienna         | 8 <sup>1</sup> / <sub>4</sub> H x 4 <sup>1</sup> / <sub>8</sub> W x 5 <sup>1</sup> / <sub>2</sub> Ext. |
| 8592-71  | <b>99564170</b> | 1        | Antique        | 8 <sup>1</sup> / <sub>4</sub> H x 4 <sup>1</sup> / <sub>8</sub> W x 5 <sup>1</sup> / <sub>2</sub> Ext. |

Clear Bulb recommended

### Wall Mount - Classic Square Lantern

Sea Gull Lighting®

Clear beveled glass bound in solid brass. 100 watt max, medium base lamp.



| Mfg. No. | Advanced ID     | Lamp Qty | Finish         | Dimensions  |
|----------|-----------------|----------|----------------|---|
| 8456-71  | <b>98318882</b> | 1        | Antique Bronze | 11H x 4 <sup>1</sup> / <sub>2</sub> W x 5 <sup>3</sup> / <sub>4</sub> Ext.                              |
| 8457-71  | <b>98318886</b> | 1        | Antique Bronze | 12 <sup>1</sup> / <sub>2</sub> H x 5 <sup>1</sup> / <sub>4</sub> W x 5 <sup>3</sup> / <sub>4</sub> Ext. |

Clear Bulb recommended

### Wall Mount - Glass Globe

Progress Lighting

White 6 in. glass globe. One 100 watt max, medium base lamp.

- Extends 6<sup>1</sup>/<sub>2</sub> in.



| Mfg. No. | Advanced ID     | Lamp Qty | Finish        | Dimensions                            |
|----------|-----------------|----------|---------------|---------------------------------------|
| P5604-30 | <b>89088951</b> | 1        | White         | 8 <sup>1</sup> / <sub>2</sub> H x 6 W |
| P5604-31 | <b>89088952</b> | 1        | Black         | 8 <sup>1</sup> / <sub>2</sub> H x 6 W |
| P5604-11 | <b>89088950</b> | 1        | Antique Brass | 8 <sup>1</sup> / <sub>2</sub> H x 6 W |

### Wall Mount - Hex Lantern

Sea Gull Lighting®

Single light outdoor wall lantern in Sienna or Polished Brass finish over solid brass with clear beveled glass. One 100 watt max, medium base lamp.

Benefits

- Can be Installed with or Without Tail



| Mfg. No. | Advanced ID     | Lamp Qty | Finish         | Dimensions                                      |
|----------|-----------------|----------|----------------|---|
| 8510-26  | <b>97103066</b> | 1        | Sienna         | 28 <sup>1</sup> / <sub>4</sub> H x 7 W x 7 Ext. |
| 8510-02  | <b>25025195</b> | 1        | Polished Brass | 28 <sup>1</sup> / <sub>4</sub> H x 7 W x 7 Ext. |

### Wall Mount - Polycarbonate, Lantern - Textured Acrylic Panels

Progress Lighting

One-light polypropylene wall lantern with textured acrylic panels. 60 watt max, medium base lamp.

- Extends 5<sup>3</sup>/<sub>8</sub> in.



| Mfg. No. | Advanced ID     | Lamp Qty | Finish | Dimensions  |
|----------|-----------------|----------|--------|---|
| P5818-30 | <b>89088939</b> | 1        | White  | 7 <sup>3</sup> / <sub>4</sub> H x 7 <sup>1</sup> / <sub>4</sub> W |
| P5818-31 | <b>91009612</b> | 1        | Black  | 7 <sup>3</sup> / <sub>4</sub> H x 7 <sup>1</sup> / <sub>4</sub> W |

### Wall Mount - Polypropylene, Classic Lantern

Sea Gull Lighting®

Impact resistant in white polypropylene with clear beveled acrylic panels. One 60 watt max, medium base lamp.



| Mfg. No. | Advanced ID     | Lamp Qty | Finish | Dimensions  |
|----------|-----------------|----------|--------|---|
| 8720-15  | <b>93157686</b> | 1        | White  | 17 <sup>1</sup> / <sub>2</sub> H x 8 W x 7 <sup>3</sup> / <sub>4</sub> Ext. |

### Wall Mount - Polypropylene, Lantern - White Acrylic Diffuser

Progress Lighting

Outdoor one-light polypropylene white acrylic acorn diffuser. 60 watt max, medium base lamp.

- Extends 7<sup>1</sup>/<sub>4</sub> in.



| Mfg. No. | Advanced ID     | Lamp Qty | Finish | Dimensions                            |
|----------|-----------------|----------|--------|---------------------------------------|
| P5844-30 | <b>22008791</b> | 1        | White  | 8 <sup>3</sup> / <sub>4</sub> H x 6 W |
| P5844-31 | <b>91019873</b> | 1        | Black  | 8 <sup>3</sup> / <sub>4</sub> H x 6 W |

### Low-Profile Undercabinet Fluorescent Lighting

Lithonia Lighting

Trim, low-profile design provides medium light levels with a snap-fit, shatter-resistant, milk-white acrylic diffuser. Magnetic ballast. Two 8 Watt, 120V, 24 in. T5 lamps included.

Features

- Separate, Hingeable Service Tray for Easy Installation and Maintenance
- Connector Provided with Each Fixture
- UL Listed



| Mfg. No.    | Advanced ID     | Lamp Wattage | Dimensions  | Lamp Qty |
|-------------|-----------------|--------------|---|----------|
| UC12-120-M6 | <b>99473495</b> | 8            | 5 x 1 <sup>3</sup> / <sub>16</sub> x 12 <sup>3</sup> / <sub>8</sub> | 1        |
| UC21-120-M6 | <b>99473497</b> | 13           | 5 x 1 <sup>3</sup> / <sub>16</sub> x 21 <sup>3</sup> / <sub>8</sub> | 1        |
| UC24-120-M6 | <b>99473498</b> | 8            | 5 x 1 <sup>3</sup> / <sub>16</sub> x 24 <sup>1</sup> / <sub>2</sub> | 2        |
| UC33-120-M6 | <b>99473500</b> | 21           | 5 x 1 <sup>3</sup> / <sub>16</sub> x 33 <sup>3</sup> / <sub>8</sub> | 2        |



### Pro-Halogen Undercabinet

#### Juno Lighting

The ULH fixture shown is part of Juno's Pro-Halogen series of fixtures. Supplied with an integral 12 volt electronic transformer, joiner connector, three T3 12 volt 20 watt halogen lamps and a 3/8 in. die-cast connector. For direct wire installation using NM cable or 3/8 in. flexible metal conduit. Designer white finish.



#### Features

- Reverse Angled Lens to Reduce Glare
- Premium Halogen Lamps for Long Life and Best Color Rendition
- Rear Access Cover for Quick Installation with NMC or 3/8 Conduit
- Under 60°C Operation, Safe for Cabinet Laminates
- Easy Five Minute

| Install   | Mfg. No. | Advanced ID | Dimensions           | Lamp Qty | Lamp Wattage |
|-----------|----------|-------------|----------------------|----------|--------------|
| ULH322-WH | 22049388 |             | 22 L x 1 H x 4 1/2 D | 3        | 20           |

### Lumark Steeler Worklight

#### Cooper Lighting

The Steeler Worklight combines a durable cold-rolled steel housing and a construction wire guard to help protect the lamp at any construction site.



#### Benefits

- Easy Slide-On Die-Cast Aluminum Mounting Box with Tapped Opening for 3/4 in. Conduit
- Heavy-Duty, Formed Steel Housing with an Open Air Ballast for Cooler Operation is Finished in a White Polyester Paint
- High Power Factor Ballast with Class H Insulation
- UL Listed for 65°C Ambient Temperature Operation
- Minimum Starting Temperature is -20°F for Metal Halide
- Mogul Base Porcelain Socket
- Durable Formed and Welded Steel Wire Coated with a Safety Yellow Polyester Paint for Easy Visibility and Safety
- Great Replacement for Temporary String Lighting Where Mounting Heights Exceed 15 Feet
- UL Listed and CSA Certified
- Voltage 120/208/240/277/480

| Mfg. No. | Advanced ID | Lamp Type    | Lamp Wattage | Voltage | Dimensions     |
|----------|-------------|--------------|--------------|---------|----------------|
| MHCW40   | 99702582    | Metal Handle | 400          | 5 Tap   | 23 1/4 X 7 1/2 |

### Pro-Yellow and Super-Safeway Lighting

#### Woodhead



WT3C-20



1610

#### Benefits

- Safety, Durability and Reliability
- Ideal for Task Lighting Illumination
- Easy to Handle, Lightweight

#### Features

- Rubber Handles
- Bright, Diffuse Illumination
- Plastic with Rubber Grips

| Mfg. No.           | Advanced ID | Lamp Watts | Color                | Cord Length | Features  |
|--------------------|-------------|------------|----------------------|-------------|---|
| <b>Hand Lamp</b>   |             |            |                      |             |   |
| 405                | 88282734    | 100W       | Yellow               | 25 ft.      | Handle with Switch and Side Outlet, Heavy Plastic Guard, 16-3 Cord, NEMA 5-15P, Plain Handle and Socket |
| WT3C-20            | 22044892    | 100W       | Gray w/ black handle | 20 ft.      | Handle Has Rubber Grips and Switch, 18-3 Cord, NEC Compliant  |
| WT6C-25            | 22051385    | 150W       | Gray w/ black handle | 25 ft.      | Handle Has Switch and Side Outlet, 16-3 Cord, NEMA 5-15P  |
| <b>Spot Lamp</b>   |             |            |                      |             |   |
| 1610               | 88280959    | 30W        | Yellow               | 25 ft.      | Handle Has In-Line Transformer, 16/3 SOOW, NEMA 5-15 Plug   |
| <b>Flood Light</b> |             |            |                      |             |   |
| 1612               | 88280963    | 35W        | Yellow               | 25 ft.      | Handle Has In-Line Transformer, 16/3 SOOW, NEMA 5-15 Plug   |



### Super Safeway Temporary Lighting

Woodhead



5000



STR100

#### Features

- 10 Sockets on 10 Foot Centers
- Guards Included for 5000 Series

| Mfg. No.            | Advanced ID              | Lamp Watts | Color  | Cord Length | Features   |
|---------------------|--------------------------|------------|--------|-------------|--|
| <b>Stringlights</b> |                          |            |        |             |  |
| 202SRL              | <a href="#">22083482</a> | 150W       | Yellow | 100 ft.     | Flat Wire, 14/2  |
| 302SRL              | <a href="#">96009575</a> | 150W       | Yellow | 100 ft.     | Flat Wire, NEMA 1-15P, Plastic Lamp Guards 12/2                          |
| 5000                | <a href="#">99720964</a> | 200W       | Yellow | 100 ft.     | Round Wire, 10 sockets on 10 foot centers, 14/2 SJTW with plastic guards |
| <b>Accessories</b>  |                          |            |        |             |  |
| STR100              | <a href="#">88294647</a> | -          | Yellow | -           | Pro Yellow Polycarbonate Guard   |

### Pro-Yellow and Super-Safeway Lighting

Woodhead



1083-3



WT6F-25

#### Benefits

- Safety, Durability and Reliability
- Ideal for Task Lighting Illumination
- Easy to Handle, Lightweight

#### Features

- Rubber Handles
- Bright, Diffuse Illumination
- Plastic with Rubber Grips

| Mfg. No. | Advanced ID              | Lamp Watts | Color  | Cord Length | Features   |
|----------|--------------------------|------------|--------|-------------|--|
| 1083-3   | <a href="#">88280602</a> | 13W        | Yellow | 25 ft.      | Molded Rubber Handle With Switch, Heavy Plastic Guard, 18-3 Cord, NEMA 5-15P |
| 1093-3   | <a href="#">96049696</a> | 26W        | Yellow | 25 ft.      | Molded Rubber Handle With Switch, Heavy Plastic Guard, 18-3 Cord, NEMA 5-15P |
| WT6F-25  | <a href="#">22080491</a> | 26W        | Gray   | 25 ft.      | Molded Plastic Handle With Switch, Heavy Plastic Guard, 18-3 SJTW Cord       |
| WT3F-20  | <a href="#">22080490</a> | 13W        | Gray   | 20 ft.      | Molded Plastic Handle With Switch, Heavy Plastic Guard, 18-3 SJTW Cord       |

## Desk Lamp - KITKA

Dazor Manufacturing Corp.



2801



2802

The KITKA line of task lamps feature a 60W incandescent light source for general use. The lamps contain 2 tension control knobs and no external springs to detract from their appearance. Screw-in fluorescents will also fit the Kitka and provide a longer life.

| Mfg. No.   | Advanced ID     | Color | Mounting Type | Arm Reach |
|------------|-----------------|-------|---------------|-----------|
| 2801 BLACK | <b>90066267</b> | Black | Clamp         | 34 in.    |
| 2802 BLACK | <b>90066264</b> | Black | Desk          | 34 in.    |

## Flex Arm Narrow Beam Task Lights

Dazor Manufacturing Corp.

The NARROW-BEAM "Bullet" reflector mounted on a flexible arm provides a concentrated beam of incandescent light over the work surface. The dual reflector has an air-cooled ventilating chamber to keep it comfortable to touch after long hours of use. Aluminum inner reflector is polished and anodized for greater light output. Has porcelain socket and is approved for 100 watt.



| Mfg. No.       | Advanced ID     | Color     | Mounting Type | Arm Reach |
|----------------|-----------------|-----------|---------------|-----------|
| 3075-ALL-WHITE | <b>90066343</b> | White     | Clamp on      | 22 in.    |
| 3075-BLACK     | <b>88082936</b> | Black     | Clamp on      | 22 in.    |
| 3075-DOVE-GRAY | <b>88082937</b> | Dove Gray | Clamp on      | 22 in.    |

## Flex Arm Wide Beam Task Lights

Dazor Manufacturing Corp.

WIDE-BEAM reflector that has an air-cooled ventilating chamber to keep it comfortable to touch after long hours of use. The anodized aluminum inner reflector results in greater light output. The light fixture is approved for a 100 watt bulb.



| Mfg. No.       | Advanced ID     | Color     | Mounting Type | Arm Reach |
|----------------|-----------------|-----------|---------------|-----------|
| 1075-ALL-WHITE | <b>90066284</b> | White     | Clamp on      | 26 in.    |
| 1075-BLACK     | <b>88082599</b> | Black     | Clamp on      | 26 in.    |
| 1075-DOVE-GRAY | <b>88082600</b> | Dove Gray | Clamp on      | 26 in.    |

## Floating Arm Narrow Beam Exam Light

Dazor Manufacturing Corp.

The highly maneuverable NARROW-BEAM reflector with a porcelain socket, directs a spot of concentrated light. Air-Cooled for comfortable handling. Reflector is polished and anodized for protection of surface and optimum lighting efficiency. Sturdy construction with 3-conductor cord set. Approved for 100 watt bulb.



| Mfg. No.       | Advanced ID     | Color     | Mounting Type | Arm Reach |
|----------------|-----------------|-----------|---------------|-----------|
| 3603-DOVE-GRAY | <b>88082962</b> | Dove Gray | Clamp         | 38 in.    |

## Machine Work Lights - Heavy Duty

Dazor Manufacturing Corp.

The COMPACT REFLECTOR rotates 360 degrees. Double arm design provides an almost unlimited number of positions. Three separate tension control knobs tighten the arm in position to reduce vibration. L-shaped bracket for mounting on top or side of a machine, bench, or wall.

The dual reflector has an air-cooled ventilating chamber to keep it comfortable to touch after long hours of use. The aluminum inner reflector provides greater light output.



| Mfg. No.          | Advanced ID     | Color | Mounting Type | Arm Reach |
|-------------------|-----------------|-------|---------------|-----------|
| 1102-MACHINE-GRAY | <b>88082612</b> | Gray  | Clamp on      | 40 in.    |
| 1103-MACHINE-GRAY | <b>88082616</b> | Gray  | Clamp on      | 29 in.    |

## Machine Work Lights - Heavy Duty

Dazor Manufacturing Corp.

The NARROW-BEAM "BULLET" REFLECTOR with double arm design provides an almost unlimited number of positions. Three separate tension control knobs tighten the arm in position to reduce vibration. L-shaped bracket for mounting on top or side of a machine, bench, or wall. The dual reflector has an air-cooled ventilating chamber to keep it comfortable to touch after long hours of use. The aluminum inner reflector is polished and anodized to provide greater light output. A porcelain socket houses the bulb.



| Mfg. No.          | Advanced ID     | Color | Mounting Type | Arm Reach |
|-------------------|-----------------|-------|---------------|-----------|
| 1104-MACHINE-GRAY | <b>88082620</b> | Gray  | Clamp on      | 35 in.    |

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## Circuit Identifier

IDEAL INDUSTRIES, INC.



61-052



61-055

### Features

- Positively Identifies Circuit Breakers and Fuses Without Service Interruption
- Plug-In Transmitter Identifies and Troubleshoots 120V AC 3-Wire Outlets
- Checks Proper Wiring Sequence and GFI Operation
- Hand-Held Receiver with Adjustable Sensitivity Level
- Visual and Audible Indicators

| Mfg. No. | Advanced ID     | Description   |
|----------|-----------------|---|
| 61-052   | <b>94057885</b> | E-Z Check Plus  |
| 61-055   | <b>22004263</b> | Automatic E-Z Check Plus                              |
| 61-532   | <b>25042116</b> | Automatic Analog Review                               |
| 61-534   | <b>25042118</b> | Automatic Digital Receiver and GFCI Receptacle Tester |

## E-Z Check® Circuit Testers

IDEAL INDUSTRIES, INC.



61-035



61-051

### Features

- No-Slip Ergonomic Design Maximizes Comfort
- Premium Neon Lamps Prevent False Readings
- Tough Impact-Resistant Case
- Tests for Correct Wiring, Open Ground, Reverse Polarity, Open Hot, Open Neutral, Hot on Neutral, Hot and Ground Reversed with Open Hot in 3-Wire, 125V AC Circuits
- 5-Year Warranty

| Mfg. No. | Advanced ID     | Description                        |
|----------|-----------------|------------------------------------|
| 61-035   | <b>88136242</b> | E-Z Check Circuit Tester           |
| 61-051   | <b>89009463</b> | E-Z Check Plus GFCI Circuit Tester |

## 1AC-II and 1LAC-II

Fluke®

The most innovative pocket-sized voltage detectors. The next generation Fluke 1AC-II and 1LAC-II AC voltage detectors, with VoltAlert™ non-contact voltage detection, are easy to use - just touch the tip to a terminal strip, outlet, or cord. When the tip glows red and the unit beeps, you know there's voltage on the line. Electricians, maintenance, service, safety personnel, and homeowners can quickly test for energized circuits and defective grounds on the factory floor, in the shop, or at home.



### Benefits

- The 1AC-II Continually Tests its Battery and its Circuit Integrity with a Periodic Double Flash Visual Indication Using Fluke Voltbeat™ Technology
- The 1AC-II and 1LAC-II are Category IV - 1000 V Overvoltage Rated Products for Added User Protection, the Highest Rated of Their Kind
- Voltage Detection of 90 to 1000 V AC, as well as a 24 to 1000 V AC Control Circuit Model
- They are Rugged, Reliable, and have a Two-Year Warranty

| Mfg. No.        | Advanced ID     | Description                     |
|-----------------|-----------------|---------------------------------|
| FLUKE-1LAC-A-II | <b>97204659</b> | Low Voltage Detector 20-90 V AC |

## 7-600 Electrical Tester

Fluke®

The 7-600 Electrical Tester is designed for safe, automatic measurements of AC and DC volts, resistance and continuity. Simply turn on and use.

Auto Selection simplifies voltage measurements in power environments. When measuring ohms/continuity with more than 4.5 volts present across the input jacks (intentional or not), the meter automatically switches to measuring AC or DC volts, whichever is greater. Input impedance is approximately 2 kOhms, helping determine if voltage is from leakage (so-called "ghost" voltages) or a hard connection. Overload protection is provided in all measurement modes.



### Features

- Automatically Measures AC/DC Volts, Resistance and Continuity
- Continuity Beeper
- Auto Selection Simplifies Voltage Measurements
- CAT III 600V Rating
- Digital Display
- Sleep Mode
- Two-Year Warranty

| Mfg. No.    | Advanced ID     | Description                               |
|-------------|-----------------|---|
| FLUKE-7-600 | <b>96051656</b> | Voltage, Resistance and Continuity Tester |

### T3 Voltage and Continuity Tester

Fluke®

The new Fluke T3 is a voltage and continuity tester that is designed to work long and hard and can stay connected much longer than solenoid type testers. There are no settings—just probe the circuit and the T3 will show you whether you are looking at AC volts, DC volts or an open circuit. You don't even have to turn it on or off. Seven different voltage indicators can clearly differentiate between key voltage levels.



#### Features

- Compact and Rugged; Easily Fits in Tool Pouch or Pocket
- LEDs Clearly Indicate 7 AC and 7 DC Nominal Voltage Levels
- Indicates DC Voltages as Low as 6 Volts
- DC Polarity Indicator
- Automatically Selects Continuity Beeper or Voltage Measurement Mode
- Rugged Enough to Withstand a 3 Meter Drop
- Protected to 1000V CAT III and 600V CAT IV
- Auto-ON Light Indicates It's Working; Turns Off After 8 Minutes of Inactivity
- Heavy-Duty Test Leads for Long Life
- One-Year Warranty

| Mfg. No.   | Advanced ID     | Description                   |
|------------|-----------------|-------------------------------|
| FLUKE T3US | <b>99713510</b> | Voltage and Continuity Tester |

### T5 Voltage, Continuity and Current Testers

Fluke®



T5-600



T5 Tester

The Fluke T5 Electrical Testers let you check voltage, continuity and current with one compact tool. With the T5, all you have to do is select volts, ohms or current and the tester does the rest. OpenJaw™ current lets you check current up to 100A without breaking the circuit. Its tough test leads stow neatly in the back of the tester, making it easy to tote the T5 in your tool pouch. Detachable SlimReach™ test probes are customized for national electrical standards. The test leads accept optional accessories such as clips and specialty probes. The optional H5 holster lets you clip the T5 onto your belt. Available in 600V and 1000V models, these testers are rugged enough to withstand a 10-foot drop.

#### Features

- Automatically Measures AC and DC Volts with Precise Digital Resolution
- Displays Resistance to 1000 Ohms
- Easy and Accurate Open Jaw™ Current Measurement
- Continuity Beeper
- Compact Design with Neat Probe Storage
- Detachable SlimReach™ Probe Tips are Customized for National Electrical Standards
- Test Leads Accept Fluke Accessory Test Clips
- Can Stay Connected Much Longer than Solenoid Type Testers
- Auto-Off Mode to Conserve Battery Life
- Optional Holster Attaches to a Belt and Neatly Stows Test Leads

#### Electrical Tester Kit With Holster and 1AC VoltAlert™

T5-H5-1AC KIT (**22081952**) Includes:  
 Fluke T5-1000 Electrical Tester (**97204942**)  
 H5 Electrical Tester Holster (**97204656**)  
 Fluke 1AC VoltAlert™ (**96051655**)

| Mfg. No.    | Advanced ID     | Description                                  |
|-------------|-----------------|--|
| T5-1000-USA | <b>97204942</b> | 1000V Voltage, Continuity and Current Tester |
| T5-600-USA  | <b>97204655</b> | 600V Voltage, Continuity and Current Tester  |

### GFCI Receptacle Tester

IDEAL INDUSTRIES, INC.

#### Features

- Tests for GFCI Receptacles for Proper Operation
- Warns Against Faulty Wiring in 3-Wire Receptacles
- For Use on 125V AC Circuits
- 5-Year Warranty



| Mfg. No. | Advanced ID     | Description            |
|----------|-----------------|------------------------|
| 61-501   | <b>99433219</b> | GFCI Receptacle Tester |



### Powr-Glo™ Audible Voltage Tester

IDEAL INDUSTRIES, INC.

Features

- Tests for Voltage from 40V to 440V AC
- Locates Breaks Along Live, Insulated Wires and Power Cords, Checks for Energized AC Circuits, Distinguishes Polarity and Detects Leaks in Underground Devices
- Illuminates Brightly for Quick, Accurate Test Results
- Audible Voltage Detection
- 5-Year Warranty



| Mfg. No. | Advanced ID     | Description                     |
|----------|-----------------|---------------------------------|
| 61-061   | <b>92140654</b> | Powr-Glo Audible Voltage Tester |

### Test-Glo™ Circuit Tester

IDEAL INDUSTRIES, INC.

Features

- Industrial Quality Tester Checks Voltage from 80V to 600V AC/DC
- Neon Test Lamp at Front of Probe
- Resistors Reduce Voltage Reaching Leads
- 24 in. Lead - Rated 10,000V
- 5-Year Warranty



| Mfg. No. | Advanced ID     | Description             |
|----------|-----------------|-------------------------|
| 61-040   | <b>88136245</b> | Test-Glo Circuit Tester |

### Vol-Con® Continuity Testers

IDEAL INDUSTRIES, INC.

Features

- Extremely Rugged and Reliable Three-In-One Tester
- Vibrates When Voltage is Present
- Dual Voltage Indication for Backup Safety
- Replaceable Leads with Shielded Probe Tips
- Bright Long-Life LED and Neon Indicator Lamps
- 5-Year Warranty



| Mfg. No. | Advanced ID     | Description                         |
|----------|-----------------|-------------------------------------|
| 61-076   | <b>88136258</b> | Vol-Con, tests from 5-600V AC/DC    |
| 61-086   | <b>22048358</b> | Vol-Con XL, tests from 6-600V AC/DC |
| 61-201   | <b>88136263</b> | Vol-Con, Four 1.5V Batteries        |

### Vol-Con® Elite Testers

IDEAL INDUSTRIES, INC.

Features

- Vibration Mode
- Digital Circuitry for Accurate Measurements
- Tests for High Voltage up to 600V AC/200V DC
- Tests for Low Voltage as Low as 24V AC/6V DC
- Audible Continuity
- Low Impedance (to Eliminate Ghost Voltages)
- Non-Contact Voltage Indication
- Replacement Silicone Test Leads
- Integral Lead Storage



| Mfg. No. | Advanced ID     | Description   |
|----------|-----------------|---------------|
| 61-092   | <b>99880494</b> | Vol-Con Elite |

### Vol-Test® Voltage Tester

IDEAL INDUSTRIES, INC.

Features

- Extremely Rugged and Reliable
- Solenoid Indicator and Neon Test Lamp Provide Double Protection
- Tests 80V to 600V AC/DC (25 to 60Hz)
- Independent Circuitry Provides a Built-In Backup Safety System
- Replaceable Leads with Shielded Probe Tips
- 5-Year Warranty



| Mfg. No. | Advanced ID     | Description             |
|----------|-----------------|-------------------------|
| 61-065   | <b>88136251</b> | Vol-Test Voltage Tester |
| 61-070   | <b>88136255</b> | Standard Test Leads     |

### Volt Sensor® NCV Pocket Tester

IDEAL INDUSTRIES, INC.

Features

- Checks Non-Contact Voltage from 40V - 600V AC
- Audible and Visual Indication
- Tests for Energized Circuits
- Over-Molded Rubber Cushion Grip
- Compact Rugged Housing



| Mfg. No. | Advanced ID     | Description               |
|----------|-----------------|---------------------------|
| 61-063   | <b>22004264</b> | Volt Sensor Pocket Tester |

### LVD1 Voltage Detector / Volt Light

Fluke®

The Fluke LVD1 is a non-contact AC Voltage Detector and LED Flashlight combined in one convenient, compact design with exclusive dual-sensitivity. The voltage detector glows blue when it's near AC voltage, and glows red when it's at the source. Detects voltages from 40 to 300V AC. Voltage detector glows blue 50 to 60 Hz or 1 to 5 inches away from source. Operating temperature 0° to 50°C.



| Mfg. No. | Advanced ID     | Description                                   |
|----------|-----------------|---|
| LVD1     | <b>22117422</b> | Non-Contact Voltage Detector / LED Flashlight |

### 110 Series Digital Multimeters

Fluke®

These compact meters (160 x 96 x 46mm) pack more features than many multimeters twice their size. Features include True-RMS AC voltage and current readings, easy-open battery access door, Min/Max/Average and frequency and capacitance capabilities. They are all CAT III rated for 600V and are protected by a three-year warranty. The 112 model has a backlight and delivers 0.7% basic DC accuracy. Compact case with separate holster. UL and CSA Listed.



#### Features

- True-RMS Measurements
- 0.7% Basic Accuracy DC, ± 1% Basic Accuracy AC
- 6000 Count Resolution
- Digital Display with 33 Segment Analog Bargraph
- AC/DC Current Measurements (111/112)
- Frequency, Capacitance, Resistance, Continuity and Diode Measurements
- Manual and Automatic Ranging
- Display Hold
- Min/Max/Average Recording
- Closed Case Calibration Through Front Panel

| Mfg. No.       | Advanced ID     | Description                                      |
|----------------|-----------------|--|
| FLUKE-110 ESFP | <b>99713513</b> | Compact Digital Multimeter, AC                   |
| FLUKE-111 ESFP | <b>99713512</b> | Compact Digital Multimeter, AC/DC                |
| FLUKE-112 ESFP | <b>99692387</b> | Compact Digital Multimeter, AC/DC with Backlight |

### 170 Series Digital Multimeters

Fluke®

The three models of the New 170 Series Digital Multimeters are the benchmarks for general purpose multimeters. They set the standard with a combination of precision, features, ease-of-use, safety and reliability. The Fluke 170 Series measure twice as fast as other multimeters. Ergonomic case with integrated protective holster and easy battery exchange without opening the case. All are CAT III rated for 1000V and CAT IV rated for 600V.



#### Features

- True-RMS Voltage and Current Measurements
- 0.09% Basic Accuracy (177/179)
- 6000 Count Resolution
- Digital Display with 33 Segment Analog Bargraph and Backlight (177/179)
- Smoothing Mode for Filtering of Rapidly Changing Inputs
- Frequency, Capacitance, Resistance, Continuity and Diode Measurements, Temperature Measurements (179 Only)
- Manual and Automatic Ranging
- Display Hold and Auto Hold
- Min/Max/Average Recording
- Closed Case Calibration Through Front Panel

| Mfg. No.       | Advanced ID     | Description  |
|----------------|-----------------|--|
| FLUKE-175 ESFP | <b>99713507</b> | General Purpose DMM                                |
| FLUKE-177 ESFP | <b>99713508</b> | General Purpose DMM with Backlight                 |
| FLUKE-179 ESFP | <b>99713509</b> | General Purpose DMM with Backlight and Temperature |

## 187/189 Digital/Analog Multimeters

Fluke®

The Fluke 187 and 189 Digital/Analog Multimeters are the only choice for users who simply want the best meter available. Impressive performance, extremely fast readings, amazing features and astonishing extras make them the smartest meters. Model 189 has readings memory for up to 100 readings and its internal memory allows stand-alone logging of up to 1000 measurements. Both are CAT III rated for 1000V and CAT IV rated for 600V and come with a Lifetime Warranty.



### Features

- Dual Display (50,000 Counts) With Bar graph and 2-Level Backlight
- 0.025% Basic DC Accuracy
- True-RMS AC/DC Measurements
- 100 kHz AC Bandwidth for Voltage and Current
- Ergonomic High-Impact Overmolded Case
- Min/Max/Average With Real Time Clock and 250µs Fast Min-Max
- Frequency, Capacitance, Duty Cycle, Pulse Width, Resistance, Conductance, Continuity and Diode Measurements
- Temperature and dBV/dBm With Selectable Reference
- PC Interface for Data Exchange and Closed Case Calibration
- Battery and Fuse Access Without Breaking Calibration Seal

| Mfg. No.  | Advanced ID | Description                                  |
|-----------|-------------|--|
| FLUKE-187 | 99628167    | Digital / Analog Multimeter                  |
| FLUKE-189 | 99569456    | Digital / Analog Multimeter with Data Logger |

## 73/77 Series III Digital Multimeters

Fluke®

Models 73 and 77 Series III Digital Multimeters are an important part of Fluke's reputation and have become the preferred models for a large number of professionals. They offer exactly the right fit for a wide range of measurements. The 73 III is perfectly suited for many electronic applications and has the "classic" 70 Series design with removable holster. The 77 III has all the features and functions for a wide range of industrial applications packaged in an ergonomic case with integrated holster. Both models come with the unique Lifetime Warranty. UL and CSA Listed.



73-III: All inputs are protected to EN61010-1 CAT II 600V

77-III: All inputs are protected to EN61010-1 CAT III 600V/CAT II 1000V

### Features

- 0.3% Basic Accuracy
- 3200 Count Resolution
- Digital Display With Analog Bargraph
- Manual and Automatic Ranging
- Automatic Touch Hold
- Resistance, Continuity and Diode Measurements
- Sleep Mode to Preserve Battery Life

| Mfg. No.   | Advanced ID | Description               |
|------------|-------------|---------------------------|
| FLUKE 73-3 | 97181358    | Digital Multimeter, 600V  |
| FLUKE 77-3 | 97181501    | Digital Multimeter, 1000V |

### 787 ProcessMeter™

Fluke®



787



789

The Fluke 787 ProcessMeter is a maintenance and calibration tool that will be at home in every instrumentation technician's tool box. It combines a Digital Multimeter (DMM) and a Loop Calibrator in one rugged, handheld tool for about what you would expect to pay for a loop calibrator alone. Based on the trusted Fluke 87 DMM, the 787 adds the ability to measure, source and simulate DC loop current with 0.05% accuracy and 1 microamp resolution.

The Fluke 787 was the first tool to combine a DMM and a loop calibrator to give process technicians double the power in one tool. The range is now extended with the new Fluke 789, the ultimate loop calibration multimeter. The Fluke 789 has a 24-volt loop supply, reducing the need for taking a separate power supply when doing offline transmitter testing. And with its built-in selectable 250-Ohm Hart® resistor, it also eliminates the need to carry a separate resistor with you. Now process technicians can do a lot more while carrying a lot less.

Additional features of the Fluke 789 include: 24V loop power supply, very large dual display, enhanced backlight with 2 brightness settings, 1200 Ohm drive capability on mA source, HART mode setting with loop power and a built-in 250 Ohm resistor, 0% and 100% buttons to toggle between 4 and 20 mA sourcing for a quick span check, externally accessible fuses for easy replacement and infrared-port to process data in FlukeView Forms (V2.1) software.

#### Features

- Precision 1000V, 400 mA True-RMS Digital Multimeter
- 0.1% DC Voltage Accuracy; 0.05% DC Current Accuracy
- Frequency Measurement to 20 kHz
- Min/Max/Average/Hold/Relative Modes
- Diode Test and Continuity Beeper
- Simultaneous mA and % of Scale Readout
- 20 mA DC Current Source/Loop Calibrator/Simulator
- Manual Step (100%, 25%, Coarse, Fine) Plus Auto Step and Auto Ramp
- Externally Accessible Battery for Easy Battery Changes
- Three-Year Warranty

| Mfg. No.  | Advanced ID              | Description  |
|-----------|--------------------------|--|
| FLUKE 787 | <a href="#">97127272</a> | Digital Multimeter (DMM)   |
| FLUKE-789 | <a href="#">22048954</a> | Digital Multimeter (DMM) plus 24V Loop Supply and Larger Backlighted Display |

### 80 Series V Digital Multimeters

Fluke®



83V



87V

The 80 Series V Digital Multimeters operate very similar to the classic 80 series, but with more problem solving power, safety, convenience and impact protection. They can withstand impulses in excess of 8000V and reduce risks related to surges and spikes. Independently tested to comply with the 2nd edition of ANSI/ISA S82.01 and EN61010-1 CAT IV 600V/CAT III 1000V. Each comes with a Lifetime Warranty.

The 87V has improved measurement functions, trouble-shooting features, resolution and accuracy to solve more problems on motor drives, in plant automation, power distribution and electro-mechanical equipment.

#### Features

- Large-Digital Display with Backlight
- 6000 Counts, 3<sup>3</sup>/<sub>4</sub> Digits
- Measures Up to 1000V AC/DC and Up to 10A (20A for Up to 30 Seconds)
- Resistance, Continuity and Diode Test
- Min/Max/Average Recording with Min/Max Alert
- Auto and Manual Ranging for Maximum Flexibility
- Touch Hold to Capture Stable Readings, Avoiding Noisy Signals
- Analog Bargraph for Fast-Changing or Unstable Signals
- Input Alert Provides Audible Warning Against Wrong Use of Input Jacks
- Removable Holster with Built-In Test Lead and Probe Storage

| Mfg. No.   | Advanced ID              | Description                                 |
|------------|--------------------------|---|
| FLUKE 83-5 | <a href="#">22086755</a> | Digital Multimeter (DMM)                    |
| FLUKE-87-5 | <a href="#">22086718</a> | Digital Multimeter, (DMM), plus Thermometer |

### AC and AC/DC Current Clamps

Fluke®



I200 Small AC



I400 High Safety AC



I410 AC/DC

Fluke Current Clamps are the ideal tools to extend the functionality of Fluke tools. And now, with the NEW I400 Current Clamp, Fluke can offer a CAT IV current measuring solution.

#### Benefits

- Extend the Use of Your Digital Multimeter to Include Current Measurement
- Take Accurate Current Readings Without Breaking the Circuit
- One-Year Warranty

| Mfg. No.                   | Advanced ID              | Voltage Rating | Operating Frequency | Maximum Temperature | Jaw Size | Current Rating | Accuracy Rating |
|----------------------------|--------------------------|----------------|---------------------|---------------------|----------|----------------|-----------------|
| <b>AC Current Clamps</b>   |                          |                |                     |                     |          |                |                 |
| I200                       | <a href="#">99421260</a> | 600V           | 40 kHz              | 70°C                | 0.8 in.  | 200A           | 0.03            |
| I400                       | <a href="#">22124233</a> | 1000V          | 10 kHz              | 60°C                | 1.26 in. | 400A           | 0.02            |
| <b>AC/DC Current Clamp</b> |                          |                |                     |                     |          |                |                 |
| I410                       | <a href="#">96092475</a> | 600V           | 100 kHz             | 60°C                | 1.18 in. | 400A           | 0.03            |

### PlatinumPro®

IDEAL INDUSTRIES, INC.



61-320



61-322



61-324

Multimeters\PlatinumPro 320 Series

#### Features

- Min/Max
- Data Hold
- Auto/Manual Ranging
- Data Hold
- Capacitance
- Frequency
- Auto Power Off
- Low Battery Indication
- Overload Protection on All Ranges
- CAT III - 1000V

| Mfg. No. | Advanced ID              | Description                      |
|----------|--------------------------|----------------------------------|
| 61-320   | <a href="#">22046949</a> | Basic Multimeter (DMM)           |
| 61-322   | <a href="#">22046950</a> | True - RMS Voltage               |
| 61-324   | <a href="#">22046951</a> | True - RMS Voltage and Backlight |

### PocketPro Digital Multimeter

IDEAL INDUSTRIES, INC.

#### Features

- Low Cost, Multi-Function
- Convenient Pocket Size
- Built-In Test Stand
- Overload Protection on all Ranges
- Audible Continuity
- Auto Power Off
- Test Lead Storage



| Mfg. No. | Advanced ID              | Description             |
|----------|--------------------------|-------------------------|
| 61-605   | <a href="#">25000188</a> | 600 Series Pocket Meter |

### 200 Amp Clamp Meter

IDEAL INDUSTRIES, INC.

#### Features

- Non-Contact
- Vibration Mode to Verify AC Voltage
- Clean Power Indicator
- Capacitance
- Cat III - 1000V Rated
- Audible Continuity
- Diode Test
- Data Hold/Max Hold
- Low Battery Indicator



| Mfg. No. | Advanced ID              | Description         |
|----------|--------------------------|---------------------|
| 61-702   | <a href="#">99569110</a> | 200 Amp Clamp Meter |

### 4-in-1 Test Tool

IDEAL INDUSTRIES, INC.

#### Features

- True RMS
- Backlight
- 200A Current Capability
- Audible Continuity
- Diode Test
- Data Hold/Max Hold
- Low Battery Indicator
- Overload Protection on all Ranges
- Silicone Leads
- Audible Dangerous Voltage Warning



| Mfg. No. | Advanced ID              | Description      |
|----------|--------------------------|------------------|
| 61-704   | <a href="#">22046952</a> | 4-in-1 Test Tool |

### 400 Amp Clamp Meter

IDEAL INDUSTRIES, INC.

#### Features

- Non-Contact Voltage Indicator (70V-600V Ac)
- Auto Power Off
- Low Battery Indicator
- Includes Leads and Case
- CAT III - 600V Rating
- Lifetime Limited Warranty
- Low Battery Indicator
- Includes Carrying Case



| Mfg. No. | Advanced ID              | Description                  |
|----------|--------------------------|------------------------------|
| 61-732   | <a href="#">22120931</a> | 400 Amp Clamp Meter          |
| 61-736   | <a href="#">22120932</a> | 400 Amp Clamp Meter True RMS |

### 321/322 Clamp Meters

Fluke®

The Fluke 321 and 322 Clamp Meters are designed to verify the presence of load current, AC voltage and continuity of circuits, switches, fuses and contacts. These small and rugged clamp meters are ideally suited for current measurements up to 400A in tight cable compartments. The Fluke 322 also offers DC voltage measurements and has a higher resolution for loads below 40A.



#### Features

- Precise Measurements with 1.8% Basic Accuracy
- Resolution Up to 0.01A and 0.1V
- Measures AC Current to 400A and AC Volts to 600V
- Measures DC Volts to 600V (Fluke 322 Only)
- Resistance Measurement to 400 Ohms
- Continuity for Quick Checking of Shorts
- Automatic Low Battery Indicator
- Display Hold Function
- Two-Year Warranty

| Mfg. No.  | Advanced ID              | Description        |
|-----------|--------------------------|--------------------|
| FLUKE 321 | <a href="#">99939900</a> | Clamp Meter, AC    |
| FLUKE 322 | <a href="#">99939902</a> | Clamp Meter, AC/DC |

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### 330 Series Clamp Meters

Fluke®



333



337

The 330 Series is a new, ergonomic concept, shaped to fit your hand and to access tight spots easily. The series features a large display that is backlit (except Fluke 333) so readings can be taken in virtually any lighting situation. Auto shut-off maximizes battery life so the meter works when you need it.

#### Features

- Meter Control Positions Allow One-Handed Current Measurements
- Easy-to-See Large Backlit Display
- In-Rush Current Function (On Most Models) for Measuring Starting Current for Motors, Lighting, etc.
- Auto Shut-Off Maximizes Battery Life
- New Microprocessor Technology Offers Improved Low Current Measurement Accuracy
- Five Different Models to Meet Your Exact Needs
- Three-Year

| Warranty  | Mfg. No.        | Description   |
|-----------|-----------------|---|
| FLUKE 333 | <b>99837047</b> | Measures AC Amps, AC/DC Volts and Ohms  |
| FLUKE 334 | <b>99837048</b> | Measures AC Amps, AC/DC Volts, Ohms and Motor Start-Up Current  |
| FLUKE 335 | <b>99837049</b> | True - RMS Clamp Meter, Measures AC Amps, AC/DC Volts, Ohms and Motor Start-Up Current  |
| FLUKE 336 | <b>99837050</b> | True - RMS Clamp Meter, Measures AC/DC Amps, AC/DC Volts, Ohms and Motor Start-Up Current   |
| FLUKE 337 | <b>99837051</b> | Top-of-the-Line True-RMS Clamp Meter, Measures AC/DC Amps, AC/DC Volts, Ohms, Motor Start-Up Current (in-rush) and Frequency, MIN /MAX Capability |

### 430 Series Three-Phase Power Quality Analyzers

Fluke®



The Fluke 434 and 433 Three-Phase Power Quality Analyzers help you locate, predict, prevent and troubleshoot problems in power distribution systems. These complete three-phase troubleshooting tools measure virtually every power system parameter—voltage, current, frequency, power, power consumption (energy), unbalance and flicker, harmonics and inter-harmonics. They capture events like dips and swells, transients, interruptions and rapid voltage changes.

These easy-to-use handheld tools have many innovative features to give you the details to pinpoint problems faster and safer and are a “must have” for any person who maintains or troubleshoots three-phase distribution. The new IEC standards for flicker and power quality are built right in to take the guess work out of monitoring. With the AutoTrend feature, there is no wasted time setting up additional trend graphs. Trends are analyzed using cursors and zoom function while recording continues in the background.

Safety Rating CAT IV 600V and CAT III 1000V.

#### Features

- Highest Safety Rating in the Industry
- AutoTrend Analyzes Trends Using Cursors and Zoom Function
- System-Monitor Allows Six Power Quality Parameters on One Dashboard
- Four Channels Simultaneously Measure Voltage and Current on all Three Phases and Neutral
- Automatic Transient Display Captures Up to 40 Dips, Swells, Interruptions or Transients Automatically
- Operates for More than Seven Hours on Included Rechargeable NiMH Battery Pack
- Includes FlukeView® Software to Transfer Stored Measurements to a PC (434 Only)
- Complies with IEC 61000-4-30 Measurement Standards
- Three-Year Warranty on Mainframe, 1-Year on Included Accessories

#### Included Accessories:

- Hard Carrying Case With Clamp Holders, BC430
- 4 Current Clamps, i400s
- 5 Test Leads (4 Black, 1 Green)
- 5 Alligator Clips (4 Black, 1 Green)
- Battery Charger Eliminator, BC430
- Optical Cable for USB, OC4USB (Fluke 434 Only)
- Color Localization Set, WC100
- Getting Started (Printed)
- User Manual (CD-ROM)

| Mfg. No.      | Advanced ID     | Description   |
|---------------|-----------------|---|
| FLUKE-433/003 | <b>22124229</b> | Power Quality Analyzer                              |
| FLUKE-434/003 | <b>22124226</b> | Power Quality Analyzer, plus Software and USB Cable |

### 1507/1503 Insulation Testers

Fluke®



1503



1507

The Fluke 1507 and 1503 Insulation Testers are compact, rugged, reliable, and easy to use. With their multiple test voltages, they are ideal for many troubleshooting, commissioning, and preventative maintenance applications.

#### Benefits

- Remote Test Probe Makes Repetitive or Hard-to-Reach Testing Easier
- Live Circuit Detection Prevents Insulation Test if Voltage >30V is Detected for Added User Protection
- Auto-Discharge of Capacitive Voltage for Added User Protection
- Auto Power Off to Save Battery Power
- Large, Backlit Display for Easy Readability

| Mfg. No.   | Advanced ID     | Test Voltage                 | Resistance Range |
|------------|-----------------|------------------------------|------------------|
| FLUKE-1503 | <b>25040605</b> | 500V, 1000V                  | .01 Ω to 20      |
| FLUKE-1507 | <b>25040591</b> | 50V, 100V, 250V, 500V, 1000V | .01 Ω to 20      |

### 1520 MegOhmMeter

Fluke®

The Fluke 1520 MegOhmMeter is a handy insulation resistance tester that also measures voltage and checks connections with its Lo-Ohms function.



#### Features

- Large Backlit LCD with Analog Bar Graph and Digital Display
- 250V/500V/1000V Output Voltages for Insulation Resistance Testing Up to 4000 M Ohms
- Automatically Switches to Voltage Measurement when Voltage is Greater than 30V AC or DC
- AC/DC Voltage Measurement Up to 600V
- Lo-Ohms Function for Testing Connections
- Last Reading Memory Display
- 4 C-Cell Batteries, Battery-Life Indicator and Auto Shut-Off
- Auto-discharge of Capacitive Voltage Charges
- Rugged Splash-Proof Case with Impact Absorbing Holster
- Three-Year Warranty

| Mfg. No.   | Advanced ID     | Test Voltage | Resistance Range |
|------------|-----------------|--------------|------------------|
| FLUKE 1520 | <b>99576219</b> | 1000V        | 4000 Ω           |

### 1550B MegOhmMeter

Fluke®

The Fluke 1550B MegOhmMeter is a digital insulation tester capable of testing switchgear, motors, generators and cables at up to 5000V DC. It can be used for a wide range of tests—from simple spot checks to timed tests and breakdown tests. Measurement storage and PC interface software make it ideal for preventive maintenance. Heavy-duty leads, probes and alligator clips fit in the custom carrying case for a rugged field testing kit.



#### Benefits

- Capable of Testing in 50V Increments 250-1000V; 100V Increments 1000-5000V
- Warning Voltage Function Alerts User that Line Voltage is Present
- Guard System Eliminates Effect of Surface Leakage Current on High-Resistance Measurements
- Polarization Index and Dielectric Absorption Calculated Automatically

#### Features

- Test Voltages of 250V, 500V, 1000V, 2500V and 5000V
- Measures 0-1 Tera-Ohm
- Large Digital/Analog LCD for Detailed Measurement Data
- Cable or Insulation Capacitance
- Leakage Current
- Ramp Function (0-5000V DC) for Breakdown Testing
- Timer 1 to 99 Minutes
- 99 Memory Locations for Storing Measurement Parameters
- Includes Quicklink 1550B Software and Optical Interface Cable
- Two-Year Warranty

| Mfg. No.    | Advanced ID     | Test Voltage | Resistance Range |
|-------------|-----------------|--------------|------------------|
| FLUKE-1550B | <b>25001753</b> | 5000V        | 1 Tera Ω         |

## 1587/1577 Insulation Multimeters

Fluke®



1577



1587

The Fluke 1587 and 1577 Insulation Multimeters combine a digital insulation tester with a full-featured, True RMS digital multimeter in a single, compact, handheld unit, which provides maximum versatility for both troubleshooting and preventative maintenance.

### Benefits

- Auto Discharge of Capacitive Voltage
- Remote Probe, Test Leads, Alligator Clips
- Live Circuit Detection Prevents Insulation Test if Voltage >30 V is Detected for Added User Protection
- Insulation Tests for the following:  
1577 0.10 (meg ohms) - 600 (meg ohms)  
1587 0.01 (meg ohms) - 2.0 (giga ohms)

| Mfg. No. | Advanced ID     | Test Voltage                  | Resistance Range |
|----------|-----------------|-------------------------------|------------------|
| 1577     | <b>25019416</b> | 500V & 1000V                  | 50 Ω             |
| 1587     | <b>25019415</b> | 50V, 100V, 250V, 500V & 1000V | 50 Ω             |

## ScopeMeter® 190 Series

Fluke®

The Fluke ScopeMeter 190C Series has specifications you typically only find on high-end bench oscilloscopes. They offer up to 200 MHz bandwidth for capturing high frequency signals as found in today's state-of-the-art electronics, and 2.5 GS/s real-time sampling and advanced memory and triggering functions. They're rugged, compact and battery powered.



Features include Frequency Spectrum Analysis using FFT (NEW), Digital Persistence for analyzing complex dynamic waveforms like on an analog scope, fast display update rate for seeing dynamic behavior instantaneously and waveform reference for visual comparisons and automatic pass/fail testing of waveforms.

### Features

- High-Resolution Color Display
- High Waveform Resolution of 3000 Datapoints Per Channel
- Connect-and-View™ Automatic Triggering and a Full Range of Manual Trigger Modes
- Automatic Capture and Replay of 100 Screens
- 27,500 Points Per Input Record Length Using ScopeRecord™ Mode
- TrendPlot™ Paperless Chart Recorder for Trend Analysis Up to 22 Days
- Up to 1000V Independently Floating Isolated Inputs
- Vpwm Function for Motor Drive and Frequency Inverter Applications
- 1000V CAT II and 600V CAT III Safety Certified
- Four Hours Rechargeable NiMH Battery Pack

| Mfg. No.        | Advanced ID     | Description  |
|-----------------|-----------------|--|
| FLUKE-196C/003  | <b>99919185</b> | ScopeMeter 196C, Bandwidth 100 MHz Real Time   |
| FLUKE-196C/003S | <b>99919186</b> | ScopeMeter 196C, 100MHZ, Includes SCC190 Kit Containing FlukeView Software for Windows |
| FLUKE-199C/003  | <b>99919187</b> | ScopeMeter 199C, Bandwidth 200 MHz Real Time   |
| FLUKE-199C/003S | <b>99919188</b> | ScopeMeter 199C, 200MHZ SCC190 Kit Containing FlukeView Software for Windows           |

## Digital Light Meter

Greenlee Textron

Measures incandescent, fluorescent, metal halide, high-pressure sodium and halogen lamp output. Measures up to 50,000 lux. Peak and data hold means no lost measurements.



| Mfg. No. | Advanced ID     | Description                            |
|----------|-----------------|--|
| 93-172   | <b>99422807</b> | Digital Lightmeter, accuracy rating 7% |

### Continuity Tester

IDEAL INDUSTRIES, INC.

#### Features

- Light Signal Indicates Completed Circuit
- Bulb in End Can Serve as Flashlight
- Pocket Clip Functions as Probe
- Removable 4 ft. Test Lead with Alligator Clip
- 5-Year Warranty



| Mfg. No. | Advanced ID | Description   |
|----------|-------------|---|
| 61-030   | 88136241    | Checks continuity of dead circuits, ground on conduit systems and identifies wires in multi-wire cables |

### Ground Clamp Tester

IDEAL INDUSTRIES, INC.

#### Features

- Large Clamp Size
- Simple and Fast Clamp-on Operation - No Leads, Auxiliary Rods or Spacing Requirements
- Direct Measurement of Ground Resistance from 0.01 Ω - 1200 Ω
- Direct Measurement of Ground Leakage Current Up to 30 amps
- Tests Grounding System Without Disconnecting the Ground



| Mfg. No. | Advanced ID | Description              |
|----------|-------------|--------------------------|
| 61-030   | 25030474    | Ground Resistance Tester |

### Megger® Insulation Tester

IDEAL INDUSTRIES, INC.

#### Features

- Test Voltage: 250V/500V/1000V
- Test Inhibition Occurs Above 25V
- Analog/Digital Bar Graph
- AC/DC Voltage to 600V
- Auto Discharge
- Auto Power Off
- Auto Ranging
- Protective Rubber Boot
- Continuity with Ohms/200mA
- Backlight



| Mfg. No. | Advanced ID | Description              |
|----------|-------------|--------------------------|
| 61-791   | 22008327    | Megger Insulation Tester |

### SureTest® Circuit Analyzer

IDEAL INDUSTRIES, INC.

#### Features

- Tests AFCI's and GFCI's for Proper Operation
- True RMS
- Measures Voltage Drop Under 12A, 15A, 20A Load
- Line and Peak Voltage
- Identifies False Ground
- Frequency
- Ground Impedance
- Hot and Neutral Conductor Impedance
- Ground to Neutral Voltage
- Identifies Proper Wiring in 3 Wire Receptacles



| Mfg. No. | Advanced ID | Description      |
|----------|-------------|------------------|
| 61-165   | 25020694    | Arc Fault Tester |

### 50 Series II Thermometer

Fluke®

The new Fluke 52 Series II Contact Thermometer offers fast response and laboratory accuracy (0.05% + 0.3°C) in a rugged, handheld test tool.

The Electronic Offset function allows compensation of thermocouple errors to maximize overall accuracy. Relative time clock on MIN, MAX and AVG provides a time reference for major events. The Optional ToolPak accessory allows the thermometer to hang from any metal object (with rare earth magnet) or secure around a pipe (with hook-and-loop straps) for hands-free operation.



#### Features

- Electronic Offset Function
- Measures J, K, T and E-Type Thermocouples
- Readout in °C, °F or Kelvin (K)
- Splash and Dust-Resistant Case Protected by Impact-Absorbing Holster
- User-Friendly Front Panel is Easy to Set Up and Operate
- Sleep Mode for Increased Battery Life (1000 Hours Typical)
- Battery Door for Easy Battery Replacement Without Breaking Calibration Seal
- Three-Year Warranty

| Mfg. No.   | Advanced ID |
|------------|-------------|
| FLUKE-52-2 | 99501797    |

## 60 Series Handheld Infrared Thermometers

Fluke®



61



63, 66, 68

With more than two decades of thermometry experience, Fluke knows temperature. They offer the latest in non-contact infrared temperature test tools, probes, accessories and application expertise for a complete range of applications. Fluke backs its tools with the industry's best warranty and highest rated customer service.

Reach for a rugged Fluke 60 Series Infrared Thermometer for jobs requiring temperature measurement in hard-to-reach, hot, rotating or dangerous situations. Get accurate readings over a broad range of temperatures, -40°C to 760°C (-40°F to 1400°F).

### Features

- Backlit Display for Poorly Lit Areas (61,63,66,68)
- Holds Temperature Readings (61,63,66,68)
- Rugged Rubber Overmolding (61,63,66,68)
- Enhanced Optics; Distance to Spot Ratio Up to 50:1 (63,66,68)
- Durable Plastic Storage Case (63,66,68)
- Adjustable Emissivity Setting for More Accurate Measurements (66,68)
- Log Measurements to Memory (66,68)
- Displays MIN/MAX/AVG Measurements (66,68)

| Mfg. No. | Advanced ID     | Description  |
|----------|-----------------|--|
| FLUKE61  | <b>22016567</b> | Temperature Hold   |
| FLUKE-63 | <b>22121320</b> | Temperature Hold and Storage Case  |
| FLUKE-66 | <b>22121322</b> | Temperature Hold, Storage Case plus Adjustable Emissivity, Measurement Memory Log and Min /Max/Average Display.  |
| FLUKE-68 | <b>22121323</b> | Temperature Hold, Storage Case plus Adjustable Emissivity, Measurement Memory Log and Min /Max/Average Display in addition to Wider Temperature Range. |

## Phase Rotation Tester

IDEAL INDUSTRIES, INC.



61-520



61-521

### Features

- For Use up to 600V
- Broad Operating Range
- Color-Coded Insulators Over Alligator Clips
- Phase Sequencing (61-521)
- 5-Year Warranty (61-521)
- Includes Carrying Case
- 1-Year Warranty (61-520)

| Mfg. No. | Advanced ID     | Description                   |
|----------|-----------------|-------------------------------|
| 61-520   | <b>99433229</b> | Phase Rotation Tester         |
| 61-521   | <b>22048854</b> | 3-Phase/Motor Rotation Tester |

Advanced is  
**ISO 9001:2000**  
 Registered,  
 ensuring consistent  
 quality service.



**Contactors**

|                        |        |
|------------------------|--------|
| Definite Purpose ..... | 12-26  |
| Lighting Control ..... | 12-5-6 |
| NEMA Rated .....       | 12-3   |
| TeSys D-Line .....     | 12-22  |

**Generators**

|                |       |
|----------------|-------|
| Portable ..... | 12-75 |
|----------------|-------|

**Magnetic Coils**

|                                     |       |
|-------------------------------------|-------|
| Contactors and Starters .....       | 12-27 |
| Relays, Timers and Contactors ..... | 12-28 |

**Motors**

|                       |          |
|-----------------------|----------|
| Brake .....           | 12-72    |
| DC Power .....        | 12-73    |
| Explosion Proof ..... | 12-73    |
| General Purpose ..... | 12-74    |
| Industrial .....      | 12-72-73 |
| Pump .....            | 12-75    |

**Push Buttons 22mm**

|                       |              |
|-----------------------|--------------|
| Accessories .....     | 12-56        |
| Assembled Units ..... | 12-51-53     |
| Contact Blocks .....  | 12-53, 55-56 |
| Key Switches .....    | 12-52        |
| Legend Plates .....   | 12-55        |
| Operators .....       | 12-54        |
| Pilot Lights .....    | 12-54        |

**Push Buttons 30mm**

|                        |          |
|------------------------|----------|
| Accessories .....      | 12-62    |
| Assembled Units .....  | 12-57-58 |
| Contact Blocks .....   | 12-62    |
| Control Stations ..... | 12-59    |
| Legend Plates .....    | 12-61    |
| Lenses and Caps .....  | 12-62    |
| Operators .....        | 12-60    |
| Pendant Stations ..... | 12-59    |
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**Relays**

|   |       |
|---|-------|
| Accessories .....                       | 12-21 |
| Industrial Control AC Control .....     | 12-47 |
| Industrial Control AC Master .....      | 12-47 |
| Industrial Control DC Control .....     | 12-48 |
| Industrial Control DC Utility .....     | 12-48 |
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| Plug-In Type K General Purpose .....    | 12-41 |
| Plug-In Type R General Purpose .....    | 12-42 |
| Power Type C .....                      | 12-46 |
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| Thermal Overload .....         | 12-20-21     |
| Timing .....                   | 12-48        |

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|-------------------------------------|----------|
| Accessories .....                   | 12-4     |
| Combination .....                   | 12-10-19 |
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| Manual .....                        | 12-1-2   |
| TeSys Contact Blocks .....          | 12-33    |
| TeSys Control Units .....           | 12-32    |
| TeSys Function Modules .....        | 12-33    |
| TeSys General Information .....     | 12-29-30 |
| TeSys Power Bases .....             | 12-31    |
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**Switches**

|                             |                 |
|-----------------------------|-----------------|
| Drum .....                  | 12-2            |
| Foot .....                  | 12-71           |
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|                                     |          |
|-------------------------------------|----------|
| Industrial Control .....            | 12-35-40 |
| Industrial Control Dimensions ..... | 12-34    |



## Manual Starters

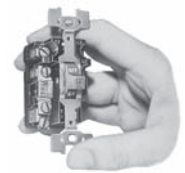
### Type F - Fractional Horsepower, Class 2510

Square D®

Fractional horsepower manual starters with melting alloy type thermal overload relay. Single-Unit Types - Class 2510 - Rated 16 A.



Type FG2P



Type FO2

| Operator Type | Number of Poles | Features *           | Enclosure Type    | Mfg. No.  | Advanced ID | Thermal Units Required |
|---------------|-----------------|----------------------|-------------------|-----------|-------------|------------------------|
| Toggle        | 1               | Standard             | NEMA 1† Standard  | 2510FG1   | 88243726    | 1                      |
| Toggle        | 1               | Standard             | NEMA 1† Oversized | 2510FGJ1  | 92114380    | 1                      |
| Toggle        | 1               | Standard             | Open Type         | 2510FO1   | 88243747    | 1                      |
| Toggle        | 1               | With Red Pilot Light | NEMA 1† Standard  | 2510FG1P  | 88243727    | 1                      |
| Toggle        | 1               | With Red Pilot Light | NEMA 1† Oversized | 2510FGJ1P | 93175203    | 1                      |
| Toggle        | 1               | With Red Pilot Light | Open Type         | 2510FO1P  | 88243748    | 1                      |
| Toggle        | 2               | Standard             | NEMA 1† Standard  | 2510FG2   | 88243728    | 1                      |
| Toggle        | 2               | Standard             | NEMA 1† Oversized | 2510FGJ2  | 92114381    | 1                      |
| Toggle        | 2               | Standard             | Open Type         | 2510FO2   | 88243749    | 1                      |
| Toggle        | 2               | With Red Pilot Light | NEMA 1† Standard  | 2510FG2P  | 88243731    | 1                      |
| Toggle        | 2               | With Red Pilot Light | NEMA 1† Oversized | 2510FGJ2P | 96068857    | 1                      |
| Toggle        | 2               | With Red Pilot Light | Open Type         | 2510FO2P  | 88243750    | 1                      |
| Key           | 1               | Standard             | NEMA 1† Standard  | 2510FG3   | 88243732    | 1                      |
| Key           | 1               | Standard             | NEMA 1† Oversized | 2510FGJ3  | 96068858    | 1                      |
| Key           | 1               | Standard             | Open Type         | 2510FO3   | 88243751    | 1                      |
| Key           | 1               | With Red Pilot Light | NEMA 1† Standard  | 2510FG3P  | 88243733    | 1                      |
| Key           | 1               | With Red Pilot Light | NEMA 1† Oversized | 2510FGJ3P | 96068859    | 1                      |
| Key           | 1               | With Red Pilot Light | Open Type         | 2510FO3P  | 22095264    | 1                      |
| Key           | 2               | Standard             | NEMA 1† Standard  | 2510FG4   | 22095262    | 1                      |
| Key           | 2               | Standard             | NEMA 1† Oversized | 2510FGJ4  | 96068860    | 1                      |
| Key           | 2               | Standard             | Open Type         | 2510FO4   | 88243753    | 1                      |
| Key           | 2               | With Red Pilot Light | NEMA 1† Standard  | 2510FG4P  | 88243736    | 1                      |
| Key           | 2               | With Red Pilot Light | NEMA 1† Oversized | 2510FGJ4P | 96068861    | 1                      |
| Key           | 2               | With Red Pilot Light | Open Type         | 2510FO4P  | 88243754    | 1                      |

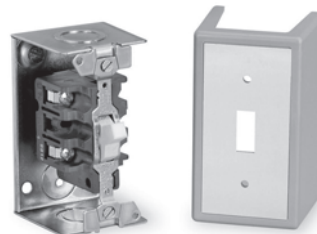
\*For green pilot light, add the letter 'G' to the catalog number (i.e., 2510FG2PG)

†General purpose enclosure surface mounting.

## Manual Switches

### Type K - 30A, Class 2510

Square D®



| Operator Type                     | Number of Poles | Features * †                      | Enclosure Type   | Mfg. No.  | Advanced ID | Thermal Units Required |
|-----------------------------------|-----------------|-----------------------------------|------------------|-----------|-------------|------------------------|
| <b>Non-Reversing - Class 2510</b> |                 |                                   |                  |           |             |                        |
| Toggle                            | 2               | Standard                          | NEMA 1‡ Standard | 2510KG1   | 88243796    | -                      |
| Toggle                            | 2               | Standard                          | Open Type        | 2510KO1   | 88243810    | -                      |
| Toggle                            | 2               | With Red Pilot Light, 115V AC     | NEMA 1‡ Standard | 2510KG1A  | 88243797    | -                      |
| Toggle                            | 2               | With Red Pilot Light, 115V AC     | Open Type        | 2510KO1A* | 88243811    | -                      |
| Toggle                            | 2               | With Red Pilot Light, 230V AC     | NEMA 1‡ Standard | 2510KG1B  | 88243798    | -                      |
| Toggle                            | 2               | With Red Pilot Light, 230V AC     | Open Type        | 2510KO1B* | 88243812    | -                      |
| Toggle                            | 3               | Standard                          | NEMA 1‡ Standard | 2510KG2   | 88243799    | -                      |
| Toggle                            | 3               | Standard                          | Open Type        | 2510KO2   | 88243813    | -                      |
| Toggle                            | 3               | With Red Pilot Light, 208-277V AC | NEMA 1‡ Standard | 2510KG2B  | 88243800    | -                      |
| Toggle                            | 3               | With Red Pilot Light, 208-277V AC | Open Type        | 2510KO2B* | 88243814    | -                      |
| Toggle                            | 3               | With Red Pilot Light, 440-600V AC | NEMA 1‡ Standard | 2510KG2C  | 88243801    | -                      |
| Toggle                            | 3               | With Red Pilot Light, 440-600V AC | Open Type        | 2510KO2C* | 88243815    | -                      |

\*Do not use as replacement interiors for NEMA 4 devices. For replacement unit, order Type KO1 or KO2 and separate pilot light kit.

†For green pilot light, add the letter 'G' to the catalog number (i.e., 2510KG1AG)

‡General purpose enclosure surface mounting

Manual Starters

Type M and T - Integral Horsepower

Class 2510

Square D®

Types M and T integral horsepower manual starters provide convenient "On-Off" operation of small single phase, polyphase or DC motors. Typical applications include small machine tools, pumps, fans, and conveyors.

| Operator Type                              | Number of Poles | Features                         | Enclosure Type          | Mfg. No.   | Advanced ID     | Thermal Units Required |
|--|-----------------|----------------------------------|-------------------------|------------|-----------------|------------------------|
| <b>Integral Horsepower Manual Starters</b> |                 |                                  |                         |            |                 |                        |
| <b>Non-Reversing, Max. Voltage 600V AC</b> |                 |                                  |                         |            |                 |                        |
| Square P.B.                                | 2               | Max Hp 1@115V, 2@230V            | NEMA 1 Surface Mounting | 2510MBG1   | <b>88243855</b> | 1                      |
| Square P.B.                                | 2               | Max Hp 1@115V, 2@230V            | NEMA 4‡                 | 2510MBW11‡ | <b>88243873</b> | 1                      |
| Square P.B.                                | 2               | Max Hp 1@115V, 2@230V            | NEMA 4X**               | 2510MBW1†  | <b>88243872</b> | 1                      |
| Square P.B.                                | 2               | Max Hp 1@115V, 2@230V            | Open Type               | 2510MBO1   | <b>88243866</b> | 1                      |
| Square P.B.                                | 2               | Max Hp 2@115V, 3@235V            | NEMA 1 Surface Mounting | 2510MCG1   | <b>88243879</b> | 1                      |
| Square P.B.                                | 2               | Max Hp 2@115V, 3@235V            | NEMA 4X**               | 2510MCW1   | <b>88243898</b> | 1                      |
| Square P.B.                                | 2               | Max Hp 2@115V, 3@235V            | Open Type               | 2510MCO1   | <b>88243891</b> | 1                      |
| Square P.B.                                | 2               | Max Hp 3@115V, 5@230V            | NEMA 1 Surface Mounting | 2510MCG2   | <b>88243880</b> | 1                      |
| Square P.B.                                | 2               | Max Hp 3@115V, 5@230V            | NEMA 4‡                 | 2510MCW12  | <b>88243900</b> | 1                      |
| Square P.B.                                | 2               | Max Hp 3@115V, 5@230V            | NEMA 4X**               | 2510MCW2   | <b>88243902</b> | 1                      |
| Square P.B.                                | 2               | Max Hp 3@115V, 5@230V            | Open Type               | 2510MCO2   | <b>88243892</b> | 1                      |
| Square P.B.                                | 3               | Max Hp 3@220-230V, 5@380-575V    | NEMA 4‡                 | 2510MBW12‡ | <b>88243874</b> | 3                      |
| Square P.B.                                | 3               | Max Hp 3@220-230V, 5@380-575V    | NEMA 4X**               | 2510MBW2†  | <b>88243875</b> | 3                      |
| Square P.B.                                | 3               | Max Hp 3@220-230V, 5@380-575V    | Open Type               | 2510MBO2   | <b>88243867</b> | 3                      |
| Square P.B.                                | 3               | Max Hp 7.5@200-230V, 10@380-575V | NEMA 1 Surface Mounting | 2510MCG3   | <b>88243888</b> | 3                      |
| Square P.B.                                | 3               | Max Hp 7.5@200-230V, 10@380-575V | NEMA 4‡                 | 2510MCW13  | <b>88243901</b> | 3                      |
| Square P.B.                                | 3               | Max Hp 7.5@200-230V, 10@380-575V | NEMA 4X**               | 2510MCW3   | <b>88243903</b> | 3                      |
| Square P.B.                                | 3               | Max Hp 7.5@200-230V, 10@380-575V | Open Type               | 2510MCO3   | <b>88243895</b> | 3                      |

†Approved for group motor installation per NEC 430-53(c).  
 ‡Watertight and dusttight enclosure brushed stainless steel.  
 \*\*Watertight, dusttight and corrosion-resistant glass-polyester enclosure.

Reversing Drum Switches

Type A and B

Class 2601

Square D®

Class 2601 reversing drum switches may be used for across-the-line starting and reversing of AC polyphase. AC single phase or DC motors, where overload protection is not required or is provided separately. They are compact and inexpensive but ruggedly constructed. Drum switches are field convertible from maintained only to momentary only operation. This conversion consists of removing the handle screw and handle, turning the shaft 180 degrees, then replacing the handle and handle screw.



Features

- 1-Piece Handle
- NEMA Type 1, 3R, 4 and 13 Without Overload Protection

| Mfg. No. | Advanced ID     | Maximum Voltage | Horsepower Rating Three Phase            | Horsepower Rating Single Phase                       | Enclosure Type |
|----------|-----------------|-----------------|--|--|----------------|
| 2601AG2  | <b>88243963</b> | 600 VAC         | 2 HP @ 200/230 VAC, 2 HP @ 460/575 VAC   | 1.5 HP @ 115 VAC, 2 HP @ 230 VAC                     | NEMA 1*        |
| 2601BG1  | <b>88243965</b> | 600 VAC         | 5 HP @ 200/230 VAC, 7.5 HP @ 460/575 VAC | 1.5 HP @ 115 VAC, 3 HP @ 230 VAC, 5 HP @ 460/575 VAC | NEMA 1*        |
| 2601AW2  | <b>88243964</b> | 600 VAC         | 2 HP @ 200/230 VAC, 2 HP @ 460/575 VAC   | 1.5 HP @ 115 VAC, 2 HP @ 230 VAC                     | NEMA 4         |
| 2601BW1  | <b>88243966</b> | 600 VAC         | 5 HP @ 200/230 VAC, 7.5 HP @ 460/575 VAC | 1.5 HP @ 115 VAC, 3 HP @ 230 VAC, 5 HP @ 460/575 VAC | NEMA 4         |
| 2601AH2  | <b>91010075</b> | 600 VAC         | 2 HP @ 200/230 VAC, 2 HP @ 460/575 VAC   | 1.5 HP @ 115 VAC, 2 HP @ 230 VAC                     | NEMA 3R        |

\*Maintained - "Forward"; Momentary - "Reverse"; (Not Field Convertible)

## Full Voltage Contactors - NEMA Rated

### Class 8502

Square D®



Type SCO2  
Size 1, 3-Pole Contactor

#### General Information

Class 8502 Type S magnetic contactors are used to switch heating loads, capacitors, transformers, and electric motors where overload protection is provided separately. Class 8502 contactors are available in NEMA sizes 00 through 7. Type S contactors are designed for operation at 600 Vac, 50 to 60 Hz.

#### 3-Pole Polyphase—600 Vac Maximum—50–60 Hz

| NEMA Size | Continuous Current Ratings | Motor Voltage      | Max. Hp | Open Type | NEMA 1 General Purpose Enclosure | NEMA 4 & 4X Watertight, Dusttight Brushed Stainless Steel Enclosure (Size 0-5)* |
|-----------|----------------------------|--------------------|---------|-----------|----------------------------------|---|
|           |                            |                    |         | Type      | Type                             | Type  |
| 00        | 9                          | Separate Control † |         | SAO12‡    | SAG12‡                           | Use Size 0  |
|           |                            | 200                | 1½      |           |                                  |   |
|           |                            | 230                | 1½      |           |                                  |   |
|           |                            | 460                | 2       |           |                                  |   |
|           |                            | 575                | 2       |           |                                  |   |
| 0         | 18                         | Separate Control † |         | SBO2‡     | SBG2‡                            | SBW12‡  |
|           |                            | 200                | 3       |           |                                  |   |
|           |                            | 230                | 3       |           |                                  |   |
|           |                            | 460                | 5       |           |                                  |   |
|           |                            | 575                | 5       |           |                                  |   |
| 1         | 27                         | Separate Control † |         | SCO2‡     | SCG2‡                            | SCW12‡  |
|           |                            | 200                | 7½      |           |                                  |   |
|           |                            | 230                | 7½      |           |                                  |   |
|           |                            | 460                | 10      |           |                                  |   |
|           |                            | 575                | 10      |           |                                  |   |
| 2         | 45                         | Separate Control † |         | SDO2‡     | SDG2‡                            | SDW12‡  |
|           |                            | 200                | 10      |           |                                  |   |
|           |                            | 230                | 15      |           |                                  |   |
|           |                            | 460                | 25      |           |                                  |   |
|           |                            | 575                | 25      |           |                                  |   |
| 3         | 90                         | Separate Control † |         | SEO2‡     | SEG2‡                            | SEW12‡  |
|           |                            | 200                | 25      |           |                                  |   |
|           |                            | 230                | 30      |           |                                  |   |
|           |                            | 460                | 50      |           |                                  |   |
|           |                            | 575                | 50      |           |                                  |   |
| 4         | 135                        | Separate Control † |         | SFO2‡     | SFG2‡                            | SFW12‡  |
|           |                            | 200                | 40      |           |                                  |   |
|           |                            | 230                | 50      |           |                                  |   |
|           |                            | 460                | 100     |           |                                  |   |
|           |                            | 575                | 100     |           |                                  |   |
| 5         | 270                        | Separate Control † |         | SGO2‡     | SGG2‡                            | SGW12‡  |
|           |                            | 200                | 75      |           |                                  |   |
|           |                            | 230                | 100     |           |                                  |   |
|           |                            | 460                | 200     |           |                                  |   |
|           |                            | 575                | 200     |           |                                  |   |
| 6         | 540                        | Separate Control † |         | SHO2‡     | SHG2‡                            | SHW2‡   |
|           |                            | 200                | 150     |           |                                  |   |
|           |                            | 230                | 200     |           |                                  |   |
|           |                            | 460                | 400     |           |                                  |   |
|           |                            | 575                | 400     |           |                                  |   |
| 7         | 810                        | Separate Control † |         | SJO2‡     | SJG2‡                            | SJW2‡   |
|           |                            | 200                | ....    |           |                                  |   |
|           |                            | 230                | 300     |           |                                  |   |
|           |                            | 460                | 600     |           |                                  |   |
|           |                            | 575                | 600     |           |                                  |   |

\* Size 6 and 7 are rated NEMA 4 only, painted sheet steel.

† 120 Volt Polyphase contactors are wired for separate control and must be ordered with Form S (i.e., 8502SCO2V02S).

‡ Coil voltage code must be specified to order this product.

Refer to standard voltage codes shown below.

#### Coil Voltage Codes

| Voltage |         | Code |
|---------|---------|------|
| 60 Hz   | 50 Hz   |      |
| 24**    | ...     | V01  |
| 120††   | 110     | V02  |
| 208     | ...     | V08  |
| 240     | 220     | V03  |
| 480     | 440     | V06  |
| 600     | 550     | V07  |
| Specify | Specify | V99  |

\*\* 24 V coils are not available on Sizes 4–7. On Sizes 00–3, where 24 V coils are available,

Form S (separate control) must be specified (i.e., order as 8502SBO2V01S).

†† 120 Volt Polyphase contactors are wired for separate control (i.e., order as 8502SCO2V02S).

Note: Form S (separate control) is used when a separate source of power is available for the control (coil) voltage.

Form S is supplied at no charge.

### Accessories

### Cover-Mounted Control Units

### Class 9999

Square D®

Class 9999 push button, selector switch and pilot light cover-mounted control unit kits can be easily field installed in a NEMA 1, 3R, 4 or 12 Type S contactor or starter enclosure cover. Knockouts or removable closing plates are furnished with many enclosure covers for convenient field installation of control units. Kits are supplied with leads and clearly illustrated instructions. The Class 9999 cover mounted control unit kits are identical to the units which are factory installed.

| For Use With             |                   |                            |              | NEMA 1 Kit Description ● |                                     |          |             |        |                 | NEMAs 3R & 12 Kit Description** |                  |                      | NEMA 4/4X Kit (Stainless) Description** |                  |                      |                 |
|--------------------------|-------------------|----------------------------|--------------|--------------------------|-------------------------------------|----------|-------------|--------|-----------------|---------------------------------|------------------|----------------------|---|------------------|----------------------|-----------------|
| Class                    | Type              | NEMA Size or Ampere Rating | No. of Poles | Voltage                  | Red Pilot Light†                    |          | Push Button |        | Selector Switch |                                 | Red Pilot Light† | Push Button          | Selector Switch                         | Red Pilot Light† | Push Button          | Selector Switch |
|                          |                   |                            |              |                          | With Control Transformer (Form F4T) | Standard | Start-Stop  | On-Off | Hand-Off-Auto   | On-Off                          | 120 V 60 Hz      | Start-Stop or On-Off | Hand-Off-Auto                           | 120 V 60 Hz      | Start-Stop or On-Off | Hand-Off-Auto   |
|                          |                   |                            |              |                          | Type                                | Type     | Type        | Type   | Type            | Type                            | Type             | Type                 | Type                                    | Type             | Type                 | Type            |
| 8502 & 8536              | SA, SB & SC       | 00, 0, 1 & 1P              | All          | 6-600 Volts 50/60 Hz     | SP28R‡                              | SP2R     | SA2         | SA10   | SC2             | SC22                            | SP28R‡           | SA3*                 | SC8                                     | SP29R            | SA13                 | SC9             |
|                          | SD                | 2                          | All          |                          | SP28R‡                              | SP3R     |             |        |                 |                                 |                  |                      |   |                  |                      |                 |
|                          | SE                | 3                          | 2-3          |                          | SP28R‡                              | SP4R     |             |        |                 |                                 |                  |                      |   |                  |                      |                 |
|                          |                   |                            | 4-5          |                          | SP28R‡                              | SP5R     |             |        |                 |                                 |                  |                      |   |                  |                      |                 |
|                          | SF                | 4                          | All          |                          | SP28R‡                              | SP28R‡   | SA3         | SA3    | SC8             | —                               |                  |                      |   |                  |                      |                 |
| SG-SJ                    | 5-7               | All                        | SP28R‡       |                          | SP28R‡                              |          |             |        |                 |                                 |                  |                      |   |                  |                      |                 |
| ● 8538 8539 8702 8736    | SB & SC           | 0 & 1                      | All          |                          | SP12R                               | SP12R    | SA2         | SA10   | SC2             | SC22                            |                  |                      |   |                  |                      |                 |
|                          | SD                | 2                          | All          |                          | SP13R                               | SP13R    |             |        |                 |                                 |                  |                      |   |                  |                      |                 |
|                          | SE                | 3                          | All          |                          | SP14R                               | SP14R    |             |        |                 |                                 |                  |                      |   |                  |                      |                 |
|                          | SF                | 4                          | All          |                          | SP15R                               | SP15R    | SA3         | SA3    | SC8             | —                               |                  |                      |   |                  |                      |                 |
|                          | SG-SJ             | 5-7                        | All          |                          | SP28R‡                              | SP28R‡   |             |        |                 |                                 |                  |                      |   |                  |                      |                 |
| 8903 (Electrically Held) | L                 | 20 Amp                     | All          |                          | SP28R‡                              | —        | —           | LXPB†† | —               | LXS††                           |                  |                      |   |                  |                      |                 |
|                          | SM                | 30 Amp                     | All          |                          | SP28R‡                              | SP2R     | SA2*        | SA10*  | SC2             | SC22                            |                  |                      |   |                  |                      |                 |
|                          | SP                | 60 Amp                     | All          |                          | SP28R‡                              | SP3R     |             |        |                 |                                 |                  |                      |   |                  |                      |                 |
|                          | SQ                | 100 Amp                    | All          |                          | SP28R‡                              | SP28R‡   | SA3*        | SA3*   | SC8             | —                               |                  |                      |   |                  |                      |                 |
|                          | SJ, SV, SX SY, SZ | 200-800 Amp                | All          | SP28R‡                   | SP28R‡                              |          |             |        |                 |                                 |                  |                      |   |                  |                      |                 |

\* Also requires N.O. auxiliary contact for holding circuit contact when used on Class 8903 electrically held lighting contactors.

† For green lens ONLY order Class 9999 Type SPG1.

‡ The coil voltage must be the same as the pilot light rating. Kit contains one Class 9001 Type KP1R31120V, 60 Hz red pilot light control unit. For other voltages, refer to Class 9001 Type KP.

†† User made openings are required in order to field install these modification kits on standard 8502, 8536 Type S Sizes 0-2, and 8903 Sizes 30-60 A NEMAs 4 and 12 enclosures.

†† To mount control unit in a NEMA 1 enclosure, a Class 9999 Type BLX bracket is also required.

● For all pre-series "J" Combination Starter NEMA 1 enclosures, use the NEMA 1 kits as listed. For all series "J" and higher, and "S8" Combination Starter NEMA 1 enclosures, use the NEMA 3R, 4 and 12 kits listed above.

Note: There are no field modification kits available for the polyester enclosures.

#### NEMA 1 Enclosure Closing Plates

| For Use With               |                |                            | Description   | Type |
|----------------------------|----------------|----------------------------|---|------|
| Class                      | Type           | NEMA Size or Ampere Rating |   |      |
| 8502, 8536, 8903           | SA-SE or SM-SP | 00-3 or 30-60 Amp          | For Pilot Light or Reset—Slip-on Cover NEMA 1 Enclosure           | SG2  |
|                            |                |                            | For Push Button or Selector Switch—Slip-on Cover NEMA 1 Enclosure | SG3  |
| 8538 & 8539 Pre-series "J" | SB-SF          | 0-4                        | For Push Button or Selector Switch—Hinged Cover NEMA 1 Enclosure  | SG1  |
|                            |                |                            | For Pilot Light—Hinged Cover NEMA 1 Enclosure                     | SG2  |



Class 9999 Type SP2R Pilot Light Kit



Class 9999 Type SA2 Push Button Kit



Class 9999 Type SC2 Selector Switch Kit



Class 9999 Type SA3 Push Button Kit

## Lighting Control

### Multipole Lighting Contactors, Type S

#### Class 8903

Square D®

Multipole Lighting Contactors - Type S - 50-60 Hz

| Contact Ampere Ratings | No. of Poles | NEMA 1 General Purpose Enclosure | NEMA 1 Flush Mounting, General Purpose, Enclosure With Plaster Adjustment | NEMA Type 3R Rainproof Enclosure* | NEMA 4 & 4X, Watertight, Dusttight & Corrosion-Resistant Glass-Polyester Enclosure | NEMA Type 4 & 4X†, Watertight & Dusttight Enclosure | NEMA Type 12 Dusttight & Driptight Industrial Use Enclosure | Open Type |
|------------------------|--------------|----------------------------------|---|-----------------------------------|--|---|---|-----------|
| Electronically Held††  |              |                                  |   |                                   |  |   |   |           |
| 30                     | 2            | SMG1‡                            | SMF1‡   | SMH1‡                             | SMW21‡   | SMW1‡   | SMA1‡   | SMO1‡**   |
|                        | 3            | SMG2‡                            | SMF2‡   | SMH2‡                             | SMW22‡   | SMW2‡   | SMA2‡   | SMO2‡**   |
|                        | 4            | SMG3‡                            | SMF3‡   | SMH3‡                             | SMW23‡   | SMW3‡   | SMA3‡   | SMO3‡**   |
|                        | 5            | SMG4‡                            | SMF4‡   | SMH4‡                             | SMW24‡   | SMW4‡   | SMA4‡   | SMO4‡**   |
| 60                     | 2            | SPG1‡                            | SPF1‡   | SPH1‡                             | SPW21‡   | SPW1‡   | SPA1‡   | SPO1‡**   |
|                        | 3            | SPG2‡                            | SPF2‡   | SPH2‡                             | SPW22‡   | SPW2‡   | SPA2‡   | SPO2‡**   |
|                        | 4            | SPG3‡                            | SPF3‡   | SPH3‡                             | SPW23‡   | SPW3‡   | SPA3‡   | SPO3‡**   |
|                        | 5            | SPG4‡                            | SPF4‡   | SPH4‡                             | SPW24‡   | SPW4‡   | SPA4‡   | SPO4‡**   |
| 100                    | 2            | SQG1‡                            | SQF1‡   | SQH1‡                             | SQW21‡   | SQW1‡   | SQA1‡   | SQO1‡**   |
|                        | 3            | SQG2‡                            | SQF2‡   | SQH2‡                             | SQW22‡   | SQW2‡   | SQA2‡   | SQO2‡**   |
|                        | 4            | SQG3‡                            | ...   | SQH3‡                             | ...  | SQW3‡   | SQA3‡   | SQO3‡**   |
|                        | 5            | SQG4‡                            | ...   | SQH4‡                             | ...  | SQW4‡   | SQA4‡   | SQO4‡**   |
| 200                    | 2            | SVG1‡                            | ...   | SVH1‡                             | ...  | SVW1‡   | SVA1‡   | SVO1‡     |
|                        | 3            | SVG2‡                            | ...   | SVH2‡                             | ...  | SVW2‡   | SVA2‡   | SVO2‡     |
|                        | 4            | SVG3‡                            | ...   | ...                               | ...  | SVW3‡   | SVA3‡   | SVO3‡     |
|                        | 5            | SVG4‡                            | ...   | ...                               | ...  | SVW4‡   | SVA4‡   | SVO4‡     |
| 300                    | 2            | SXG1‡                            | ...   | ...                               | ...  | SXW1‡   | SXA1‡   | SXO1‡     |
|                        | 3            | SXG2‡                            | ...   | ...                               | ...  | SXW2‡   | SXA2‡   | SXO2‡     |
| 400°                   | 2            | SYG1‡                            | ...   | ...                               | ...  | SYW1‡   | SYA1‡   | SYO1‡     |
|                        | 3            | SYG2‡                            | ...   | ...                               | ...  | SYW2‡   | SYA2‡   | SYO2‡     |
| 600°                   | 2            | SZG1‡                            | ...   | ...                               | ...  | SZW1‡   | SZA1‡   | SZO1‡     |
|                        | 3            | SZG2‡                            | ...   | ...                               | ...  | SZW2‡   | SZA2‡   | SZO2‡     |
| 800°                   | 2            | SJG1‡                            | ...   | ...                               | ...  | SJW1‡   | SJA1‡   | SJO1‡     |
|                        | 3            | SJG2‡                            | ...   | ...                               | ...  | SJW2‡   | SJA2‡   | SJO2‡     |

\* Cannot support control transformer forms.

\*\* Separate enclosures are available for these devices. It may be possible to improve delivery by ordering an open contractor and a separate class 9991 enclosures.

†† All lighting contractors are provided with separate control as standard, except electrically held 400, 600 and 800 A devices. Electrically held 400, 600 and 800 A devices are provided with common control.

‡ Voltage code must be specified to order this product. Refer to Standard Voltage Codes on next page.

○ Form F4T is provided as standard. Include line voltage when ordering. Control voltage is 120-60. For 400, 600 and 800A devices - Must specify line voltage, not coil voltage.

### Lighting Control Multipole Lighting Contactors, Type S Class 8903

Square D®



| Contact Ampere Ratings     | No. of Poles | NEMA 1 General Purpose Enclosure | NEMA 1 Flush Mounting, General Purpose, Enclosure With Plaster Adjustment | NEMA Type 3R Rainproof Enclosure* | NEMA 4 & 4X, Watertight, Dusttight & Corrosion-Resistant Glass-Polyester Enclosure | NEMA Type 4 & 4X†, Watertight & Dusttight Enclosure | NEMA Type 12 Dusttight & Driptight Industrial Use Enclosure | Open Type |
|----------------------------|--------------|----------------------------------|---|-----------------------------------|--|---|---|-----------|
| <b>Mechanically Held††</b> |              |                                  |   |                                   |  |   |   |           |
| 30                         | 2            | SMG10‡                           | SMF10‡  | ..                                | SMW31‡   | SMW10‡  | SMA10‡  | SMO10‡**  |
|                            | 3            | SMG11‡                           | SMF11‡  | ..                                | SMW32‡   | SMW11‡  | SMA11‡  | SMO11‡**  |
|                            | 4            | SMG12‡                           | SMF12‡  | ..                                | SMW33‡   | SMW12‡  | SMA12‡  | SMO12‡**  |
|                            | 5            | SMG13‡                           | SMF13‡  | ..                                | SMW34‡   | SMW13‡  | SMA13‡  | SMO13‡**  |
| 60                         | 2            | SPG10‡                           | SPF10‡  | ..                                | SPW31‡   | SPW10‡  | SPA10‡  | SPO10‡**  |
|                            | 3            | SPG11‡                           | SPF11‡  | ..                                | SPW32‡   | SPW11‡  | SPA11‡  | SPO11‡**  |
|                            | 4            | SPG12‡                           | SPF12‡  | ..                                | SPW33‡   | SPW12‡  | SPA12‡  | SPO12‡**  |
|                            | 5            | SPG13‡                           | SPF13‡  | ..                                | SPW34‡   | SPW13‡  | SPA13‡  | SPO13‡**  |
| 100                        | 2            | SQG10‡                           | SQF10‡  | ..                                | SQW31‡   | SQW10‡  | SQA10‡  | SQO10‡**  |
|                            | 3            | SQG11‡                           | SQF11‡  | ..                                | SQW32‡   | SQW11‡  | SQA11‡  | SQO11‡**  |
|                            | 4            | SQG12‡                           | ...   | ..                                | ...  | SQW12‡  | SQA12‡  | SQO12‡**  |
|                            | 5            | SQG13‡                           | ...   | ..                                | ...  | SQW13‡  | SQA13‡  | SQO13‡**  |
| 200                        | 2            | SVG10‡                           | ...   | ..                                | ...  | SVW10‡  | SVA10‡  | SVO10‡    |
|                            | 3            | SVG11‡                           | ...   | ..                                | ...  | SVW11‡  | SVA11‡  | SVO11‡    |
|                            | 4            | SVG12‡                           | ...   | ..                                | ...  | SVW12‡  | SVA12‡  | SVO12‡    |
| 300                        | 2            | SXG13‡                           | ...   | ..                                | ...  | SXW13‡  | SXA13‡  | SXO13‡    |
|                            | 3            | SXG14‡                           | ...   | ..                                | ...  | SXW14‡  | SXA14‡  | SXO14‡    |
| 400                        | 2            | SYG16‡                           | ...   | ..                                | ...  | SYW16‡  | SYA16‡  | SYO16‡    |
|                            | 3            | SYG17‡                           | ...   | ..                                | ...  | SYW17‡  | SYA17‡  | SYO17‡    |
| 600                        | 2            | SZG18‡                           | ...   | ..                                | ...  | SZW18‡  | SZA18‡  | SZO18‡    |
|                            | 3            | SZG19‡                           | ...   | ..                                | ...  | SZW19‡  | SZA19‡  | SZO19‡    |
| 800                        | 2            | SJG10‡                           | ...   | ..                                | ...  | SJW10‡  | SJA10‡  | SJO10‡    |
|                            | 3            | SJG11‡                           | ...   | ..                                | ...  | SJW11‡  | SJA11‡  | SJO11‡    |

† NEMA 4 & 4X Enclosures Are Brush Finished Stainless Steel for 30-300A Contactors; Sizes 400-800A Are Painted Sheet Steel; Specify Form G16 For Electropolished Finish

†† All Lighting Contactors Are Provided With Separate Control as Standard Except Electrically Held 400, 600 and 800A Devices, Which Are Provided With Common Control

‡ Coil Voltage Code Must be Specified to Order This Product. Refer to Standard Coil Voltage Codes Below

\*\* Separate Enclosures Are Available for These Devices. It May be Possible to Improve Delivery by Ordering an Open Type Contactor and Separate Class 9991 Enclosure

\* Cannot Support Control Transformer Forms

| Voltage |         | Code |
|---------|---------|------|
| 60 Hz   | 50 Hz   |      |
| 24*     | ...     | V01  |
| 120     | 110     | V02  |
| 208     | ...     | V08  |
| 240     | 220     | V03  |
| 277     | ...     | V04  |
| 480     | 440     | V06  |
| Specify | Specify | V99  |

\* 24 Volt Coils Are Not Available For 200-800A Devices

#### Poles for Type S Only

A single-pole or double-pole kit can be added to any 2- or 3-pole 30 or 60A Type S lighting contactor to make a 4- or 5-pole device. Factory assembled 4- and 5-pole contactors utilize basic 3-pole device with a single- or double-pole kit installed. Only one power pole can be added per contactor. Sufficient room is provided in all enclosure styles for the addition of a power pole kit.

| Ampere Rating | Description           | Class 9991 Type |
|---------------|-----------------------|-----------------|
| 30            | One N.O.              | SB6             |
|               | One N.C.              | SB7             |
|               | One N.O. and One N.C. | SB8             |
|               | Two N.O.              | SB9             |
| 60            | Two N.C.              | SB10            |
|               | One N.O.              | SB21Δ           |
|               | One N.C.              | SB22Δ           |
|               | One N.O. and One N.C. | SB23Δ           |
|               | Two N.O.              | SB24Δ           |
|               | Two N.C.              | SB25Δ           |

Δ When power pole is added to 60A contactor, a 4-pole coil is also required. 60A power poles are suitable for use with copper or aluminum wire.



## Full Voltage Starters - NEMA Rated

### Class 8536

Square D®

3-Pole Polyphase - 600 VAC Maximum - 50-60 Hz.

Devices require 3 thermal units.

| NEMA Size | Continuous Current Ratings | Motor Voltage            | Max. Hp                  | Open Type | NEMA 1 General Purpose Enclosure | NEMA 4 & 4X Watertight, Dusttight, Brushed Stainless Steel Enclosure (Size 0-5)* | NEMA 4X Watertight, Dusttight, Corrosion-Resistant, Glass-Polyester Enclosure |
|-----------|----------------------------|--------------------------|--------------------------|-----------|----------------------------------|--|---|
|           |                            |                          |                          |           |                                  |  |   |
| 00        | 9                          | 200<br>230<br>460<br>575 | 1½<br>1½<br>2<br>2       | SAO12‡    | SAG12‡                           | Use Size 0   | Use Size 0  |
| 0         | 18                         | 200<br>230<br>460<br>575 | 3<br>3<br>5<br>5         | SBO2‡     | SBG2‡                            | SBW12‡   | SBW22‡  |
| 1         | 27                         | 200<br>230<br>460<br>575 | 7½<br>7½<br>10<br>10     | SCO3‡     | SCG3‡                            | SCW13‡   | SCW23‡  |
| 2         | 45                         | 200<br>230<br>460<br>575 | 10<br>15<br>25<br>25     | SDO1‡     | SDG1‡                            | SDW11‡   | SDW21‡  |
| 3         | 90                         | 200<br>230<br>460<br>575 | 25<br>30<br>50<br>50     | SEO1‡     | SEG1‡                            | SEW11‡   | SEW21‡  |
| 4         | 135                        | 200<br>230<br>460<br>575 | 40<br>50<br>100<br>100   | SFO1‡     | SFG1‡                            | SFW11‡   | SFW21‡  |
| 5         | 270                        | 200<br>230<br>460<br>575 | 75<br>100<br>200<br>200  | SGO1‡     | SGG1‡                            | SGW11‡   | ...   |
| 6         | 540                        | 200<br>230<br>460<br>575 | 150<br>200<br>400<br>400 | SHO2‡     | SHG2‡                            | SHW2‡  | ...   |
| 7         | 810                        | 200<br>230<br>460<br>575 | ...<br>300<br>600<br>600 | SJO2‡     | SJG2‡                            | SJW2‡  | ...   |

| Voltage |         | Code |
|---------|---------|------|
| 60 Hz   | 50 Hz   |      |
| 24**    | ...     | V01  |
| 120††   | 110     | V02  |
| 208     | ...     | V08  |
| 240     | 220     | V03  |
| 480     | 440     | V06  |
| 600     | 550     | V07  |
| Specify | Specify | V99  |

\* Size 6 and 7 are rated NEMA 4 only.

† 120V polyphase starters are wired for separate control. Form S (separate control) must be specified. (i.e., order as 8563SCO2V02S)

‡ Coil voltage code must be specified to order this product. Refer to standard voltage code table at left.

\*\* 24V coils are not available for size 4 to 7. On sizes 00 to 3, where 24V coils are available, Form S (separate control) must be specified. (i.e., order as 8536SBO2V01S)

### Full Voltage Starters - NEMA Rated

#### Class 8536

Square D®

3-Pole Polyphase - 600 VAC Maximum - 50-60 Hz

Devices require 3 thermal units.

| NEMA Size | Continuous Current Ratings | Motor Voltage            | Max. Hp                  | NEMA 7 & 9 Hazardous Locations<br>Div. 1 & 2 Class I, Groups C & D, Class II,<br>Groups E, F & G |            |                   | NEMA 12/3R*<br>Dusttight &<br>Driptight Industrial<br>Use Enclosure |
|-----------|----------------------------|--------------------------|--------------------------|--|------------|-------------------|---|
|           |                            |                          |                          | Bolted Type  |            | SPIN TOP®<br>Type |   |
|           |                            |                          |                          | Separate Control†  | Cast Iron† |                   |   |
| 00        | 9                          | 200<br>230<br>460<br>575 | 1½<br>1½<br>2<br>2       | Use Size 0   |            | Use Size 0        | Use Size 0  |
| 0         | 18                         | 200<br>230<br>460<br>575 | 3<br>3<br>5<br>5         | SBT2**   | SBT42**    | SBR2**            | SBA2**  |
| 1         | 27                         | 200<br>230<br>460<br>575 | 7½<br>7½<br>10<br>10     | SCT3**   | SCT43**    | SCR3**            | SCA3**  |
| 2         | 45                         | 200<br>230<br>460<br>575 | 10<br>15<br>25<br>25     | SDT1**   | SDT41**    | SDR1**            | SDA1**  |
| 3         | 90                         | 200<br>230<br>460<br>575 | 25<br>30<br>50<br>50     | ...  | SET43**    | SER3**            | SEA1**  |
| 4         | 135                        | 200<br>230<br>460<br>575 | 40<br>50<br>100<br>100   | ...  | SFT41**    | SFR1**            | SFA1**  |
| 5         | 270                        | 200<br>230<br>460<br>575 | 75<br>100<br>200<br>200  | ...  | SGT41**    | SGR1**            | SGA1**  |
| 6         | 540                        | 200<br>230<br>460<br>575 | 150<br>200<br>400<br>400 | ...  | ...        | ...               | SHA2**  |
| 7         | 810                        | 200<br>230<br>460<br>575 | --<br>300<br>600<br>600  | ...  | ...        | ...               | SJA2**  |

\* For NEMA 3R enclosed devices (Sizes 0-4 only), change "A" in Type designation to "H"; no charge. Consult Factory for restrictions on available Forms in NEMA 3R enclosures.

† Limited to 1 Pilot Light and Selector Switch or Start-Stop Push Button.

‡ 120 Volt Polyphase starters are wired for separate control and must be ordered with Form S (i.e., 8502SCO2V02S)

\*\* Coil voltage must be specified to order this product. Refer to standard voltage table shown on previous page.

## Full Voltage Starters - NEMA Rated

### Class 8536

Square D®

2-Pole Single Phase - 600 VAC Maximum - 50-60 Hz.

Devices require 1 thermal unit.

| NEMA Size | Continuous Current Ratings | Motor Voltage | Max. Hp  | Open Type | NEMA 1 General Purpose Enclosure | NEMA 4 & 4X Watertight, Dusttight, Brushed Stainless Steel Enclosure | NEMA 4X Watertight, Dusttight, Corrosion-Resistant, Glass-Polyester Enclosure |
|-----------|----------------------------|---------------|----------|-----------|----------------------------------|--|---|
| 00        | 9                          | 115<br>230    | 1/3<br>1 | SAO11*    | SAG11*                           | Use Size 0   | Use Size 0  |
| 0         | 18                         | 115<br>230    | 1<br>2   | SBO1*     | SBG1*                            | SBW11*   | SBW21*  |
| 1         | 27                         | 115<br>230    | 2<br>3   | SCO1*     | SCG1*                            | SCW11*   | SCW21*  |
| 1P        | 36                         | 115<br>230    | 3<br>5   | SCO2*     | SCG2*                            | SCW12*   | SCW22*  |
| 2         | 45                         | 115<br>230    | 3<br>7½  | SDO6*     | SDG6*                            | SDW16*   | SDW26*  |

| NEMA Size | Continuous Current Ratings | Motor Voltage | Max. Hp  | NEMA 7 & 9, Hazardous Locations, Div. 1 & 2, Class I, Groups C & D, Class II, Groups E, F & G |               |                | NEMA 12/3R†, Dusttight & Driptight, Industrial Use Enclosure |
|-----------|----------------------------|---------------|----------|---|---------------|----------------|--|
|           |                            |               |          | Bolted Type   |               | SPIN TOP® Type |  |
|           |                            |               |          | Cast Iron†  | Cast Aluminum |                |  |
| 00        | 9                          | 115<br>230    | 1/3<br>1 | Use Size 0  |               | Use Size 0     | Use Size 0   |
| 0         | 18                         | 115<br>230    | 1<br>2   | SBT1*   | SBT41         | SBR1*          | SBA1*  |
| 1         | 27                         | 115<br>230    | 2<br>3   | SCT1*   | SCT41         | SCR1*          | SCA1*  |
| 1P        | 36                         | 115<br>230    | 3<br>5   | SCT2*   | SCT42         | SCR2*          | SCA2*  |
| 2         | 45                         | 115<br>230    | 3<br>7½  | SDT6*   | SDT46         | SDR6*          | SDA6*  |

\* Coil Voltage Code Must be Specified to Order This Product; Refer to voltage code table on page 12-7.

† For NEMA 3R enclosed devices (2-Pole only) change "A" in Type designation to "H". No charge.

### Combination Starters - NEMA Rated Fusible Disconnect Switch Type with Class R Fuse Clips\* Class 8538

Square D®

3-Pole Polyphase - 600V AC Maximum - 50-60 Hz.

Devices require 3 thermal units.

| Motor Voltage | Maximum HP | Coil Voltage | NEMA Size | Poles | Fuse Clip Size | NEMA 1 General Purpose Enclosure | NEMA 4 & 4X Watertight and Dusttight Enclosure Stainless Steel | NEMA 4X Watertight, Dusttight and Corrosion Resistant Polyester Enclosure | NEMA 12/3R Dusttight and Driptight Industrial Use Enclosure |                        |
|---------------|------------|--------------|-----------|-------|----------------|----------------------------------|--|---|---|------------------------|
|               |            |              |           |       |                |                                  |  |   | With External Reset   | Without External Reset |
| 120           | 1          | 120          | 0         | 2     | 30             | SBG63V02                         | SBW63V02   | SBW66V02  | SBA66V02  | SBA63V02               |
|               | 2          |              | 1         |       | 30             | SCG63V02                         | SCW63V02   | SCW66V02  | SCA66V02  | SCA63V02               |
|               | 3          |              | 2         |       | 60             | SDG63V02                         | SDW63V02   | SDW66V02  | SDA66V02  | SDA63V02               |
| 240           | 2          | 240          | 0         | 2     | 30             | SBG63V03                         | SBW63V03   | SBW66V03  | SBA66V03  | SBA63V03               |
|               | 3          |              | 1         |       | 30             | SCG63V03                         | SCW63V03   | SCW66V03  | SCA66V03  | SCA63V03               |
|               | 7½         |              | 2         |       | 60             | SDG63V03                         | SDW63V03   | SDW66V03  | SDA66V03  | SDA63V03               |

\*Single Phase Units Require One Thermal Unit and are Not Available With Form Hxx

### Coil Voltage Codes

| Voltage |         | Code |
|---------|---------|------|
| 60 Hz   | 50 Hz   |      |
| 24*‡    | ...     | V01  |
| 120‡    | 110     | V02  |
| 208     | ...     | V08  |
| 240     | 220     | V03  |
| 480     | 440     | V06  |
| 600     | 550     | V07  |
| Specify | Specify | V99  |

\*24V Coils Are Not Available on Sizes 4-7; On Sizes 00-3 Where 24V Coils Are Available, Form S (Separate Control) Must be Specified (i.e. Order as 8538SBG32V01S)

‡These Voltage Codes Must Include Form S (Supplied at No Charge); When Specifying Form S, Please Supply Motor Voltage When Ordering (i.e. Order as 8538SCG32V02S)

NOTE: Use Form S (Separate Control) When a Separate Source of Power is Available for the Control (Coil) Voltage; Form S Supplied at No Charge

**Need help finding the right product for your application? Just call your Advanced sales representative!**

## Combination Starters - NEMA Rated Fusible Disconnect Switch Type

### Class 8538

Square D®



#### General Information

Class 8538 and 8539 Type S combination starters combine the requirements of motor overload and short circuit protection into one package. These starters are manufactured in accordance with NEMA standards and are UL Listed. Class 8538 and 8539 combination starters are designed to operate at 600 Vac maximum, 50 to 60 Hz and are supplied with melting alloy overload relays as standard.

#### 3-Pole Polyphase—600 Vac Maximum—50–60 Hz

Devices require 3 thermal units. For class J fuse clip, use Form Y1072 (no charge).

#### Fusible Full Voltage Type (Class H Fuse Clips), with Melting Alloy Overload Relays

| Ratings                         |                    |           | Fuse Clip Size (A) | NEMA 1 General Purpose Enclosure | NEMA 4 & 4X Watertight and Dusttight Enclosure Stainless Steel (304) (Sizes 0-5)† | NEMA 4X Watertight, Dusttight and Corrosion Resistant Polyester Enclosure | NEMA 12/3R† Dusttight and Driptight Industrial Use Enclosure |                        |
|---------------------------------|--------------------|-----------|--------------------|----------------------------------|---|---|--|------------------------|
| Motor Voltage (Starter Voltage) | Max. Hp Poly-phase | NEMA Size |                    |                                  |   |   | With External Reset  | Without External Reset |
|                                 |                    |           | Type               |                                  | Type  | Type  | Type   | Type                   |
| 200 (208)                       | 3                  | 0         | 30                 | SBG12*                           | SBW12*  | SBW22*  | SBA22*   | SBA12*                 |
|                                 | 5                  | 1         | 30                 | SCG12*                           | SCW12*  | SCW22*  | SCA22*   | SCA12*                 |
|                                 | 7½                 |           | 60                 | SCG13*                           | SCW13*  | SCW23*  | SCA23*   | SCA13*                 |
|                                 | 10                 | 2         | 60                 | SDG12*                           | SDW12*  | SDW22*  | SDA22*   | SDA12*                 |
|                                 | 20                 | 3         | 100                | SEG15*                           | SEW15*  | SEW25*  | SEA25*   | SEA15*                 |
|                                 | 25                 |           | 200                | SEG12*                           | SEW12*  | —   | SEA22*   | SEA12*                 |
|                                 | 40                 | 4         | 200                | SFG15*                           | SFW15*  | —   | SFA25*   | SFA15*                 |
|                                 | 75                 | 5         | 400                | SGG15*                           | SGW15*  | —   | SGA25*   | SGA15*                 |
| 150                             | 6                  | 600       | SHG13*             | SHW13*                           | —   | SHA23*  | SHA13*   |                        |
| 230 (240)                       | 3                  | 0         | 30                 | SBG12*                           | SBW12*  | SBW22*  | SBA22*   | SBA12*                 |
|                                 | 5                  | 1         | 30                 | SCG12*                           | SCW12*  | SCW22*  | SCA22*   | SCA12*                 |
|                                 | 7½                 |           | 60                 | SCG13*                           | SCW13*  | SCW23*  | SCA23*   | SCA13*                 |
|                                 | 15                 | 2         | 60                 | SDG12*                           | SDW12*  | SDW22*  | SDA22*   | SDA12*                 |
|                                 | 25                 | 3         | 100                | SEG15*                           | SEW15*  | SEW25*  | SEA25*   | SEA15*                 |
|                                 | 30                 |           | 200                | SEG12*                           | SEW12*  | —   | SEA22*   | SEA12*                 |
|                                 | 50                 | 4         | 200                | SFG15*                           | SFW15*  | —   | SFA25*   | SFA15*                 |
|                                 | 100                | 5         | 400                | SGG15*                           | SGW15*  | —   | SGA25*   | SGA15*                 |
| 200                             | 6                  | 600       | SHG13*             | SHW13*                           | —   | SHA23*  | SHA13*   |                        |
| 460 (480)                       | 5                  | 0         | 30                 | SBG13*                           | SBW13*  | SBW23*  | SBA23*   | SBA13*                 |
|                                 | 10                 | 1         | 30                 | SCG14*                           | SCW14*  | SCW24*  | SCA24*   | SCA14*                 |
|                                 | 15                 | 2         | 30                 | SDG16*                           | SDW16*  | SDW26*  | SDA26*   | SDA16*                 |
|                                 | 25                 |           | 60                 | SDG14*                           | SDW14*  | SDW24*  | SDA24*   | SDA14*                 |
|                                 | 50                 | 3         | 100                | SEG13*                           | SEW13*  | SEW23*  | SEA23*   | SEA13*                 |
|                                 | 100                | 4         | 200                | SFG13*                           | SFW13*  | —   | SFA23*   | SFA13*                 |
|                                 | 200                | 5         | 400                | SGG13*                           | SGW13*  | —   | SGA23*   | SGA13*                 |
|                                 | 400                | 6         | 600                | SHG12*                           | SHW12*  | —   | SHA22*   | SHA12*                 |
| 575 (600)                       | 5                  | 0         | 30                 | SBG13*                           | SBW13*  | SBW23*  | SBA23*   | SBA13*                 |
|                                 | 10                 | 1         | 30                 | SCG14*                           | SCW14*  | SCW24*  | SCA24*   | SCA14*                 |
|                                 | 15                 | 2         | 30                 | SDG16*                           | SDW16*  | SDW26*  | SDA26*   | SDA16*                 |
|                                 | 25                 |           | 60                 | SDG14*                           | SDW14*  | SDW24*  | SDA24*   | SDA14*                 |
|                                 | 50                 | 3         | 100                | SEG13*                           | SEW13*  | SEW23*  | SEA23*   | SEA13*                 |
|                                 | 100                | 4         | 200                | SFG13*                           | SFW13*  | —   | SFA23*   | SFA13*                 |
|                                 | 200                | 5         | 400                | SGG13*                           | SGW13*  | —   | SGA23*   | SGA13*                 |
|                                 | 400                | 6         | 600                | SHG12*                           | SHW12*  | —   | SHA22*   | SHA12*                 |

\* Coil voltage code must be specified to order this product. Refer to standard coil voltage codes on the next page.

† NEMA 12 enclosures may be field modified for outdoor non-corrosive and non-service-entrance-rated applications.

‡ NEMA Size 6 starters are NEMA 4 painted sheet steel enclosures.

Note: Some control transformers may require the use of oversized enclosures.

#### Fusible Disconnect Switch Type (Class H Fuse Clips), Single Phase††

| Motor Voltage | Max. Hp | Coil Voltage | NEMA Size | Poles | Fuse Clip Size (A) | NEMA 1 General Purpose Enclosure | NEMA 4 & 4X Watertight and Dusttight Enclosure Stainless Steel (304) | NEMA 4X Watertight, Dusttight and Corrosion Resistant Polyester Enclosure | NEMA 12/3R** Dusttight and Driptight Industrial Use Enclosure |                        |
|---------------|---------|--------------|-----------|-------|--------------------|----------------------------------|--|---|---|------------------------|
|               |         |              |           |       |                    |                                  |  |   | With External Reset   | Without External Reset |
|               |         |              |           |       |                    | Type                             | Type   | Type  | Type  | Type                   |
| 120           | 1       | 120          | 0         | 2     | 30                 | SBG62V02                         | SBW62V02   | SBW65V02  | SBA65V02  | SBA62V02               |
|               | 2       |              | 30        |       | SCG62V02           | SCW62V02                         | SCW65V02   | SCA65V02  | SCA62V02  |                        |
|               | 3       |              | 60        |       | SDG62V02           | SDW62V02                         | SDW65V02   | SDA65V02  | SDA62V02  |                        |
| 240           | 2       | 240          | 0         | 2     | 30                 | SBG62V03                         | SBW62V03   | SBW65V03  | SBA65V03  | SBA62V03               |
|               | 3       |              | 30        |       | SCG62V03           | SCW62V03                         | SCW65V03   | SCA65V03  | SCA62V03  |                        |
|               | 7½      |              | 60        |       | SDG62V03           | SDW62V03                         | SDW65V03   | SDA65V03  | SDA62V03  |                        |

\*\* NEMA 12 enclosures may be field modified for outdoor non-corrosive and non-service-entrance-rated applications.

†† Single phase units require one thermal unit and are not available with Form Hxx.

## Combination Starters - NEMA Rated Non-Fusible Disconnect Switch Type Class 8538

Square D®

### 3-Pole Polyphase—600 Vac Maximum—50-60 Hz

Devices require 3 thermal units.

#### Non-Fusible Full Voltage Type, Non-Reversing, with Melting Alloy Overload Relays

| Ratings                                  |                              |              | NEMA 1<br>General Purpose<br>Enclosure | NEMA 4 & 4X<br>Watertight and<br>Dusttight Enclosure<br>Stainless Steel (304)<br>(Sizes 0-5)† | NEMA 4X<br>Watertight,<br>Dusttight and<br>Corrosion Resistant<br>Polyester Enclosure |        | NEMA 12/3R*<br>Dusttight and Driptight Industrial<br>Enclosure |                           |
|--|------------------------------|--------------|--|---|---|--------|--|---------------------------|
| Motor<br>Voltage<br>(Starter<br>Voltage) | Max.<br>Hp<br>Poly-<br>phase | NEMA<br>Size |  |   | Type  | Type   | GBID   | With<br>External<br>Reset |
| 200<br>(208)                             | 3                            | 0            | SBG11‡                                 | SBW11‡  | SBW21‡  | —      | SBA21‡   | SBA11‡                    |
|  | 7½                           | 1            | SCG11‡                                 | SCW11‡  | SCW21‡  | —      | SCA21‡   | SCA11‡                    |
|  | 10                           | 2            | SDG11‡                                 | SDW11‡  | SDW21‡  | —      | SDA21‡   | SDA11‡                    |
|  | 25                           | 3            | SEG11‡                                 | SEW11‡  | SEW21‡  | —      | SEA21‡   | SEA11‡                    |
|  | 40                           | 4            | SFG11‡                                 | SFW11‡  | —   | —      | SFA21‡   | SFA11‡                    |
|  | 75                           | 5            | SGG11‡                                 | SGW11‡  | —   | —      | SGA21‡   | SGA11‡                    |
| 150                                      | 6                            | SHG11‡       | SHW11‡                                 | —   | —   | SHA21‡ | SHA11‡   |                           |
| 230<br>(240)                             | 3                            | 0            | SBG11‡                                 | SBW11‡  | SBW21‡  | —      | SBA21‡   | SBA11‡                    |
|  | 7½                           | 1            | SCG11‡                                 | SCW11‡  | SCW21‡  | —      | SCA21‡   | SCA11‡                    |
|  | 15                           | 2            | SDG11‡                                 | SDW11‡  | SDW21‡  | —      | SDA21‡   | SDA11‡                    |
|  | 30                           | 3            | SEG11‡                                 | SEW11‡  | SEW21‡  | —      | SEA21‡   | SEA11‡                    |
|  | 50                           | 4            | SFG11‡                                 | SFW11‡  | —   | —      | SFA21‡   | SFA11‡                    |
|  | 100                          | 5            | SGG11‡                                 | SGW11‡  | —   | —      | SGA21‡   | SGA11‡                    |
| 200                                      | 6                            | SHG11‡       | SHW11‡                                 | —   | —   | SHA21‡ | SHA11‡   |                           |
| 460<br>(480)                             | 5                            | 0            | SBG11‡                                 | SBW11‡  | SBW21‡  | —      | SBA21‡   | SBA11‡                    |
|  | 10                           | 1            | SCG11‡                                 | SCW11‡  | SCW21‡  | —      | SCA21‡   | SCA11‡                    |
|  | 25                           | 2            | SDG11‡                                 | SDW11‡  | SDW21‡  | —      | SDA21‡   | SDA11‡                    |
|  | 50                           | 3            | SEG11‡                                 | SEW11‡  | SEW21‡  | —      | SEA21‡   | SEA11‡                    |
|  | 100                          | 4            | SFG11‡                                 | SFW11‡  | —   | —      | SFA21‡   | SFA11‡                    |
|  | 200                          | 5            | SGG11‡                                 | SGW11‡  | —   | —      | SGA21‡   | SGA11‡                    |
| 400                                      | 6                            | SHG11‡       | SHW11‡                                 | —   | —   | SHA21‡ | SHA11‡   |                           |
| 575<br>(600)                             | 5                            | 0            | SBG11‡                                 | SBW11‡  | SBW21‡  | —      | SBA21‡   | SBA11‡                    |
|  | 10                           | 1            | SCG11‡                                 | SCW11‡  | SCW21‡  | —      | SCA21‡   | SCA11‡                    |
|  | 25                           | 2            | SDG11‡                                 | SDW11‡  | SDW21‡  | —      | SDA21‡   | SDA11‡                    |
|  | 50                           | 3            | SEG11‡                                 | SEW11‡  | SEW21‡  | —      | SEA21‡   | SEA11‡                    |
|  | 100                          | 4            | SFG11‡                                 | SFW11‡  | —   | —      | SFA21‡   | SFA11‡                    |
|  | 200                          | 5            | SGG11‡                                 | SGW11‡  | —   | —      | SGA21‡   | SGA11‡                    |
| 400                                      | 6                            | SHG11‡       | SHW11‡                                 | —   | —   | SHA21‡ | SHA11‡   |                           |

#### Non-Fusible Disconnect Switch Type, Single Phase\*\*

| Motor<br>Voltage | Max.<br>Hp | Coil<br>Voltage | NEMA<br>Size | Poles | Fuse<br>Clip Size<br>(A) | NEMA 1<br>General Purpose<br>Enclosures | NEMA 4 & 4X<br>Watertight and<br>Dusttight Enclosure<br>Stainless Steel (304) | NEMA 4X<br>Watertight,<br>Dusttight<br>and Corrosion Resistant<br>Polyester Enclosure | NEMA 12/3R*<br>Dusttight and Driptight<br>Industrial Enclosure |                              |
|------------------|------------|-----------------|--------------|-------|--------------------------|---|---|---|--|------------------------------|
|                  |            |                 |              |       |                          |   |   |   | With<br>External<br>Reset                                      | Without<br>External<br>Reset |
| 120              | 1          | 120             | 0            | 2     | N/A                      | SBG61V02                                | SBW61V02  | SBW64V02  | SBA64V02   | SBA61V02                     |
|                  | 2          |                 | SCG61V02     |       |                          | SCW61V02                                | SCW64V02  | SCA64V02  | SCA61V02   |                              |
|                  | 3          |                 | SDG61V02     |       |                          | SDW61V02                                | SDW64V02  | SDA64V02  | SDA61V02   |                              |
| 240              | 2          | 240             | 0            | 2     | N/A                      | SBG61V03                                | SBW61V03  | SBW64V03  | SBA64V03   | SBA61V03                     |
|                  | 3          |                 | SCG61V03     |       |                          | SCW61V03                                | SCW64V03  | SCA64V03  | SCA61V03   |                              |
|                  | 7½         |                 | SDG61V03     |       |                          | SDW61V03                                | SDW64V03  | SDA64V03  | SDA61V03   |                              |

\* NEMA 12 enclosures may be field modified for outdoor non-corrosive and non-service-entrance-rated applications.

† NEMA Size 6 starters are NEMA 4 painted sheet steel enclosure.

‡ Coil voltage code must be specified to order this product. Refer to standard coil voltage codes shown below.

\*\* Single phase units require one thermal unit and are not available with Form Hxx.

NOTE: Some control transformers may require the use of oversized enclosures.

#### Coil Voltage Codes

| Voltage |         | Code |
|---------|---------|------|
| 60 Hz   | 50 Hz   |      |
| 24●††   | —       | V01  |
| 120●    | 110     | V02  |
| 208     | —       | V08  |
| 240     | 220     | V03  |
| 480     | 440     | V06  |
| 600     | 550     | V07  |
| Specify | Specify | V99  |

†† 24 V coils are not available on Sizes 4-7. On Sizes 00-3, where 24 V coils are available, Form S (separate control) must be specified (i.e., order as 8538SBG11V01S).

● These voltage codes must include Form S (supplied at no charge). When specifying Form S, please supply motor voltage when ordering (i.e., order as 8538SCG11V02S).

NOTE: Form S (separate control) is used when a separate source of power is available for the control (coil) voltage. Form S is supplied at no charge.



### Combination Starters - NEMA Rated

### MAG-GARD® Circuit Breaker

### Motor Voltage 200 (208)

### Class 8539

Square D®

3-Pole Polyphase - 600VAC Maximum - 50-60 Hz.

Devices require 3 thermal units (Sizes 00-6).

Full voltage type, non-reversing, with melting alloy overload relays.

| Ratings                               |                                       |              |   | NEMA 1<br>General<br>Purpose<br>Enclosure           | NEMA 4 & 4X<br>Watertight<br>and Dusttight<br>Enclosure<br>Stainless Steel<br>(304)<br>(Sizes 0-5)* | NEMA 4X<br>Watertight,<br>Dusttight<br>and<br>Corrosion-<br>Resistant<br>Polyester<br>Enclosure | NEMA 7 & 9†<br>For Hazardous<br>Locations<br>Class 1, Groups C & D<br>Class II, Groups E, F & G<br>(Cast Aluminum)<br>Division 1 & 2 |   | NEMA 12/3R‡<br>Dusttight and<br>Driptight<br>Industrial Use<br>Enclosure |   |
|---------------------------------------|---------------------------------------|--------------|---|---|---|---|--|---|--|---|
| Motor Voltage<br>(Starter<br>Voltage) | Hp Range<br>Poly-phase                | NEMA<br>Size | Circuit<br>Breaker  |   |   |   | SPIN TOP®<br>Type  | Bolted<br>Type                                      | With<br>External<br>Reset  | Without<br>External<br>Reset                        |
| 200<br>(208)                          | ¼ - 1/3<br>½ - 1<br>1½ - 3            | 0            | GJL36003M01<br>GJL36007M02<br>GJL36015M03                               | SBG41**<br>SBG42**<br>SBG43**                       | SBW41**<br>SBW42**<br>SBW43**   | SBW51**<br>SBW52**<br>SBW53**   | SBR41**<br>SBR42**<br>SBR43**  | SBT41**<br>SBT42**<br>SBT43**                       | SBA51**<br>SBA52**<br>SBA53**  | SBA41**<br>SBA42**<br>SBA43**                       |
|                                       | ¼ - 1/3<br>½ - 1<br>1½ - 3<br>5<br>7½ | 1            | GJL36003M01<br>GJL36007M02<br>GJL36015M03<br>GJL36030M04<br>GJL36050M05 | SCG41**<br>SCG42**<br>SCG43**<br>SCG44**<br>SCG45** | SCW41**<br>SCW42**<br>SCW43**<br>SCW44**<br>SCW45**   | SCW51**<br>SCW52**<br>SCW53**<br>SCW54**<br>SCW55**   | SCR41**<br>SCR42**<br>SCR43**<br>SCR44**<br>SCR45**  | SCT41**<br>SCT42**<br>SCT43**<br>SCT44**<br>SCT45** | SCA51**<br>SCA52**<br>SCA53**<br>SCA54**<br>SCA55**                      | SCA41**<br>SCA42**<br>SCA43**<br>SCA44**<br>SCA45** |
|                                       | 1½ - 3<br>5<br>7½ - 10                | 2            | GJL36015M03<br>GJL36030M04<br>GJL36050M05                               | SDG41**<br>SDG42**<br>SDG43**                       | SDW41**<br>SDW42**<br>SDW43**   | SDW51**<br>SDW52**<br>SDW53**   | SDR41**<br>SDR42**<br>SDR43**  | SDT41**<br>SDT42**<br>SDT43**                       | SDA51**<br>SDA52**<br>SDA53**  | SDA41**<br>SDA42**<br>SDA43**                       |
|                                       | 15 - 25                               | 3            | FAL3610018M   | SEG42**   | SEW42**   | SEW52**   | SER42**  | SET42**   | SEA52**  | SEA42**   |
|                                       | 30<br>40                              | 4            | KAL3625025M<br>KAL3625026M  | SFG42**<br>SFG43**                                  | SFW42**<br>SFW43**  | SFW52**<br>SFW53**  | SFR42**<br>SFR43**   | SFT42**<br>SFT43**                                  | SFA52**<br>SFA53**   | SFA42**<br>SFA43**                                  |
|                                       | 50<br>60<br>75                        | 5            | KAL3625030M<br>LAL3640032M<br>LAL3640033M                               | SGG42**<br>SGG44**<br>SGG45**                       | SGW42**<br>SGW44**<br>SGW45**   | ...<br>...<br>...   | SGR42**<br>SGR44**<br>SGR45**  | SGT42**<br>SGT44**<br>SGT45**                       | SGA52**<br>SGA54**<br>SGA55**  | SGA42**<br>SGA44**<br>SGA45**                       |
|                                       | 100<br>125<br>150                     | 6            | LAL3640036M<br>MAL3660040M<br>MAL3660042M                               | SHG43**<br>SHG44**<br>SHG45**                       | SHW43**<br>SHW44**<br>SHW45**   | ...<br>...<br>...   | ...<br>...<br>...  | ...<br>...<br>...                                   | SHA53**<br>SHA54**<br>SHA55**  | SHA43**<br>SHA44**<br>SHA45**                       |

\* NEMA Size 6 and 7 Starters Are NEMA 4 Painted Sheet Steel Enclosures.

† NEMA 7 and 9 Bolted Are Not UL Listed.

‡ NEMA 12 Enclosures May be Field Modified for Outdoor Non-Corrosive and Non-Service-Entrance-Rated Applications.

\*\* Coil Voltage Code Must be Specified to Order This Product; Refer to Standard Coil Voltage Codes Below.

NOTE: Some Control Transformers May Require the Use of Oversized Enclosures; Form Y534 May be Used to Substitute an FAL Circuit Breaker (No Charge).

| Voltage |         | Code |
|---------|---------|------|
| 60 Hz   | 50 Hz   |      |
| 24††**  | ...     | V01  |
| 120††   | 110     | V02  |
| 208     | ...     | V08  |
| 240     | 220     | V03  |
| 480     | 440     | V06  |
| 600     | 550     | V07  |
| Specify | Specify | V99  |

†† These voltage codes must include Form S (supplied at no charge). When specifying Form S, please supply motor voltage when ordering.

\*\* 24V coils are not available on sizes 4-7. On sizes 00-3, where 24V coils are available, Form S (separate control) must be specified.

Combination Starters - NEMA Rated

MAG-GARD® Circuit Breaker

Motor Voltage 230 (240)

Class 8539

Square D®

3-Pole Polyphase - 600VAC Maximum - 50-60 Hz.

Devices require 3 thermal units (Sizes 0-6).

Full voltage type, non-reversing, with melting alloy overload relays.

| Ratings                               |                                      |              |  | NEMA 1<br>General<br>Purpose<br>Enclosure | NEMA 4 & 4X<br>Watertight<br>and Dusttight<br>Enclosure<br>Stainless Steel<br>(304)<br>(Sizes 0-5)* | NEMA 4X<br>Watertight,<br>Dusttight<br>and<br>Corrosion-<br>Resistant<br>Polyester<br>Enclosure | NEMA 7 & 9†<br>For Hazardous<br>Locations<br>Class 1, Groups C & D<br>Class II, Groups E, F & G<br>(Cast Aluminum)<br>Division 1 & 2 |  | NEMA 12/3R‡<br>Dusttight and<br>Driptight<br>Industrial Use<br>Enclosure |  |
|---------------------------------------|--------------------------------------|--------------|--|---|---|---|--|--|--|--|
| Motor Voltage<br>(Starter<br>Voltage) | Hp Range<br>Poly-phase               | NEMA<br>Size | Circuit<br>Breaker                                       |   |   |   | SPIN TOP®<br>Type  | Bolted<br>Type                           | With<br>External<br>Reset  | Without<br>External<br>Reset             |
| 230<br>(240)                          | ¼ - 1/3<br>½ - 1<br>1½ - 3           | 0            | GJL36003M01<br>GJL36007M02<br>GJL36015M03                | SBG41**<br>SBG42**<br>SBG43**             | SBW41**<br>SBW42**<br>SBW43**   | SBW51**<br>SBW52**<br>SBW53**   | SBR41**<br>SBR42**<br>SBR43**  | SBT41**<br>SBT42**<br>SBT43**            | SBA51**<br>SBA52**<br>SBA53**  | SBA41**<br>SBA42**<br>SBA43**            |
|                                       | ¼ - 1/3<br>½ - 1<br>1½ - 3<br>5 - 7½ | 1            | GJL36003M01<br>GJL36007M02<br>GJL36015M03<br>GJL36030M04 | SCG41**<br>SCG42**<br>SCG43**<br>SCG44**  | SCW41**<br>SCW42**<br>SCW43**<br>SCW44**  | SCW51**<br>SCW52**<br>SCW53**<br>SCW54**  | SCR41**<br>SCR42**<br>SCR43**<br>SCR44**   | SCT41**<br>SCT42**<br>SCT43**<br>SCT44** | SCA51**<br>SCA52**<br>SCA53**<br>SCA54**                                 | SCA41**<br>SCA42**<br>SCA43**<br>SCA44** |
|                                       | 1½ - 3<br>5 - 7½<br>10<br>15         | 2            | GJL36015M03<br>GJL36030M04<br>GJL36050M05<br>GJL36075M06 | SDG41**<br>SDG42**<br>SDG43**<br>SDG44**  | SDW41**<br>SDW42**<br>SDW43**<br>SDW44**  | SDW51**<br>SDW52**<br>SDW53**<br>SDW54**  | SDR41**<br>SDR42**<br>SDR43**<br>SDR44**   | SDT41**<br>SDT42**<br>SDT43**<br>SDT44** | SDA51**<br>SDA52**<br>SDA53**<br>SDA54**                                 | SDA41**<br>SDA42**<br>SDA43**<br>SDA44** |
|                                       | 15-30                                | 3            | FAL3610018M  | SEG42**                                   | SEW42**   | SEW52**   | SER42**  | SET42**                                  | SEA52**  | SEA42**                                  |
|                                       | 40<br>50                             | 4            | KAL3625026M<br>KAL3625029M                               | SFG43**<br>SFG44**                        | SFW43**<br>SFW44**  | SFW53**<br>SFW54**  | SFR43**<br>SFR44**   | SFT43**<br>SFT44**                       | SFA53**<br>SFA54**   | SFA43**<br>SFA44**                       |
|                                       | 60<br>75<br>100                      | 5            | KAL3625031M<br>LAL3640032M<br>LAL3640035M                | SGG43**<br>SGG44**<br>SGG46**             | SGW43**<br>SGW44**<br>SGW46**   | ...<br>...<br>...   | SGR43**<br>SGR44**<br>SGR46**  | SGT43**<br>SGT44**<br>SGT46**            | SGA53**<br>SGA54**<br>SGA56**  | SGA43**<br>SGA44**<br>SGA46**            |
|                                       | 125 - 150<br>200                     | 6            | MAL3660040M<br>MAL3660044M                               | SHG44**<br>SHG46**                        | SHW44**<br>SHW46**  | ...<br>...  | ...<br>...   | ...<br>...                               | SHA54**<br>SHA56**   | SHA44**<br>SHA46**                       |
|                                       | 250<br>300                           | 7            | MAL3680045M<br>MAL36100047M                              | SJG42**<br>SJG43**                        | SJW42**<br>SJW43**  | ...<br>...  | ...<br>...   | ...<br>...                               | SJA52**<br>SJA53**   | ...<br>...                               |

\* NEMA Size 6 and 7 Starters Are NEMA 4 Painted Sheet Steel Enclosures.

† NEMA 7 and 9 Bolted Are Not UL Listed.

‡ NEMA 12 Enclosures May be Field Modified for Outdoor Non-Corrosive and Non-Service-Entrance-Rated Applications.

\*\* Coil Voltage Code Must be Specified to Order This Product; Refer to Voltage Table on Page 12-13.

NOTE: Some Control Transformers May Require the Use of Oversized Enclosures; Form Y534 May be Used to Substitute an FAL Circuit Breaker (No Charge).

### Combination Starters - NEMA Rated

### MAG-GARD® Circuit Breaker

### Motor Voltage 460 (480)

### Class 8539

Square D®

3-Pole Polyphase - 600VAC Maximum - 50-60 Hz.

Devices require 3 thermal units (Sizes 0-6).

Full voltage type, non-reversing, with melting alloy overload relays.

| Ratings                                  |                                 |              |                    | NEMA 1<br>General<br>Purpose<br>Enclosure | NEMA 4 & 4X<br>Watertight<br>and Dusttight<br>Enclosure<br>Stainless Steel<br>(304) (Sizes<br>0-5)* | NEMA 4X<br>Watertight,<br>Dusttight and<br>Corrosion-<br>Resistant<br>Polyester<br>Enclosure | NEMA 7 & 9†<br>For Hazardous<br>Locations<br>Class 1, Groups C & D<br>Class II, Groups E, F & G<br>(Cast Aluminum)<br>Division 1 & 2 |                | NEMA 12/3R‡<br>Dusttight and<br>Driptight Industrial<br>Use Enclosure |                              |
|--|---------------------------------|--------------|--------------------|---|---|--|--|----------------|---|------------------------------|
| Motor<br>Voltage<br>(Starter<br>Voltage) | Hp<br>Range<br>Poly-<br>phase   | NEMA<br>Size | Circuit<br>Breaker |   |   |  | SPIN TOP®<br>Type  | Bolted<br>Type | With<br>External<br>Reset   | Without<br>External<br>Reset |
|  |                                 |              |                    |   |   |  |  |                |   |                              |
| 460<br>(480)                             | ¼ - 1<br>1½ - 3<br>5            | 0            | GJL36003M01        | SBG41**                                   | SBW41**   | SBW51**  | SBR41**  | SBT41**        | SBA51**   | SBA41**                      |
|  |                                 |              | GJL36007M02        | SBG42**                                   | SBW42**   | SBW52**  | SBR42**  | SBT42**        | SBA52**   | SBA42**                      |
|  |                                 |              | GJL36015M03        | SBG43**                                   | SBW43**   | SBW53**  | SBR43**  | SBT43**        | SBA53**   | SBA43**                      |
|  | ¼ - 1<br>1½ - 3<br>5 - 7½<br>10 | 1            | GJL36003M01        | SCG41**                                   | SCW41**   | SCW51**  | SCR41**  | SCT41**        | SCA51**   | SCA41**                      |
|  |                                 |              | GJL36007M02        | SCG42**                                   | SCW42**   | SCW52**  | SCR42**  | SCT42**        | SCA52**   | SCA42**                      |
|  |                                 |              | GJL36015M03        | SCG43**                                   | SCW43**   | SCW53**  | SCR43**  | SCT43**        | SCA53**   | SCA43**                      |
|  | 5 - 7½<br>10 - 15<br>20 - 25    | 2            | GJL36015M03        | SDG41**                                   | SDW41**   | SDW51**  | SDR41**  | SDT41**        | SDA51**   | SDA41**                      |
|  |                                 |              | GJL36030M04        | SDG42**                                   | SDW42**   | SDW52**  | SDR42**  | SDT42**        | SDA52**   | SDA42**                      |
| GJL36050M05                              |                                 |              | SDG43**            | SDW43**                                   | SDW53**   | SDR43**  | SDT43**  | SDA53**        | SDA43**   |                              |
| 20 - 25<br>30 - 50                       | 3                               | GJL36050M05  | SEG41**            | SEW41**                                   | SEW51**   | SER41**  | SET41**  | SEA51**        | SEA41**   |                              |
|  |                                 | FAL3610018M  | SEG42**            | SEW42**                                   | SEW52**   | SER42**  | SET42**  | SEA52**        | SEA42**   |                              |
| 60 - 75<br>100                           | 4                               | KAL3625025M  | SFG42**            | SFW42**                                   | SFW52**   | SFR42**  | SFT42**  | SFA52**        | SFA42**   |                              |
|  |                                 | KAL3625029M  | SFG44**            | SFW44**                                   | SFW54**   | SFR44**  | SFT44**  | SFA54**        | SFA44**   |                              |
| 125<br>150<br>200                        | 5                               | KAL3625031M  | SGG43**            | SGW43**                                   | ...   | SGR43**  | SGT43**  | SGA53**        | SGA43**   |                              |
|  |                                 | LAL3640032M  | SGG44**            | SGW44**                                   | ...   | SGR44**  | SGT44**  | SGA54**        | SGA44**   |                              |
|  |                                 | LAL3640033M  | SGG46**            | SGW46**                                   | ...   | SGR46**  | SGT46**  | SGA56**        | SGA46**   |                              |
| 250<br>300<br>350<br>400                 | 6                               | LAL3640036M  | SHG43**            | SHW43**                                   | ...   | ...  | ...  | SHA53**        | SHA43**   |                              |
|  |                                 | MAL3660040M  | SHG44**            | SHW44**                                   | ...   | ...  | ...  | SHA54**        | SHA44**   |                              |
|  |                                 | MAL3660042M  | SHG45**            | SHW45**                                   | ...   | ...  | ...  | SHA55**        | SHA45**   |                              |
|  |                                 | MAL3660044M  | SHG46**            | SHW46**                                   | ...   | ...  | ...  | SHA56**        | SHA46**   |                              |
| 500<br>600                               | 7                               | MAL3690045M  | SJG42**            | SJW42**                                   | ...   | ...  | ...  | SJA52**        | ...   |                              |
|  |                                 | MAL36100047M | SJG43**            | SJW43**                                   | ...   | ...  | ...  | SJA53**        | ...   |                              |

\* NEMA Size 6 and 7 Starters Are NEMA 4 Painted Sheet Steel Enclosures.

† NEMA 7 and 9 Bolted Are Not UL Listed.

‡ NEMA 12 Enclosures May be Field Modified for Outdoor Non-Corrosive and Non-Service-Entrance-Rated Applications.

\*\* Coil Voltage Code Must be Specified to Order This Product; Refer to Voltage Table on Page 12-13.

NOTE: Some Control Transformers May Require the Use of Oversized Enclosures; Form Y534 May be Used to Substitute an FAL Circuit Breaker (No Charge).

Combination Starters - NEMA Rated

MAG-GARD® Circuit Breaker

Motor Voltage 575 (600)

Class 8539

Square D®

3-Pole Polyphase - 600VAC Maximum - 50-60 Hz.

Devices require 3 thermal units (Sizes 0-6).

Full voltage type, non-reversing, with melting alloy overload relays.

| Ratings                         |                           |           |   | NEMA 1 General Purpose Enclosure | NEMA 4 & 4X Watertight and Dusttight Enclosure Stainless Steel (304) (Sizes 0-5)* | NEMA 4X Watertight, Dusttight and Corrosion-Resistant Polyester Enclosure | NEMA 7 & 9† For Hazardous Locations Class 1, Groups C & D Class II, Groups E, F & G (Cast Aluminum) Division 1 & 2 |                               | NEMA 12/3R‡ Dusttight and Driptight Industrial Use Enclosure |                               |
|---------------------------------|---------------------------|-----------|---|----------------------------------|---|---|--|-------------------------------|--|-------------------------------|
| Motor Voltage (Starter Voltage) | Hp Range Poly-phase       | NEMA Size | Circuit Breaker                           |                                  |   |   | SPIN TOP® Type   | Bolted Type                   | With External Reset  | Without External Reset        |
| 575 (600)                       | ¼ - 1<br>1½ - 3<br>5      | 0         | GJL36003M01<br>GJL36007M02<br>GJL36015M03 | SBG41**<br>SBG42**<br>SBG43**    | SBW41**<br>SBW42**<br>SBW43**   | SBW51**<br>SBW52**<br>SBW53**   | SBR41**<br>SBR42**<br>SBR43**  | SBT41**<br>SBT42**<br>SBT43** | SBA51**<br>SBA52**<br>SBA53**                                | SBA41**<br>SBA42**<br>SBA43** |
|                                 | ¼ - 1<br>1½ - 3<br>5 - 10 | 1         | GJL36003M01<br>GJL36007M02<br>GJL36015M03 | SCG41**<br>SCG42**<br>SCG43**    | SCW41**<br>SCW42**<br>SCW43**   | SCW51**<br>SCW52**<br>SCW53**   | SCR41**<br>SCR42**<br>SCR43**  | SCT41**<br>SCT42**<br>SCT43** | SCA51**<br>SCA52**<br>SCA53**                                | SCA41**<br>SCA42**<br>SCA43** |
|                                 | 5 - 10<br>15 - 20<br>25   | 2         | GJL36015M03<br>GJL36030M04<br>GJL36050M05 | SDG41**<br>SDG42**<br>SDG43**    | SDW41**<br>SDW42**<br>SDW43**   | SDW51**<br>SDW52**<br>SDW53**   | SDR41**<br>SDR42**<br>SDR43**  | SDT41**<br>SDT42**<br>SDT43** | SDA51**<br>SDA52**<br>SDA53**                                | SDA41**<br>SDA42**<br>SDA43** |
|                                 | 25 - 30<br>40 - 50        | 3         | GJL36050M05<br>FAL3610018M                | SEG41**<br>SEG42**               | SEW41**<br>SEW42**  | SEW51**<br>SEW52**  | SER41**<br>SER42**   | SET41**<br>SET42**            | SEA51**<br>SEA52**   | SEA41**<br>SEA42**            |
|                                 | 60 - 100                  | 4         | KAL3625025M                               | SFG42**                          | SFW42**   | SFW52**   | SFR42**  | SFT42**                       | SFA52**  | SFA42**                       |
|                                 | 125<br>150<br>200         | 5         | KAL3625029M<br>KAL3625030M<br>LAL3640032M | SGG41**<br>SGG42**<br>SGG44**    | SGW41**<br>SGW42**<br>SGW44**   | ...<br>...<br>...   | SGR41**<br>SGR42**<br>SGR44**  | SGT41**<br>SGT42**<br>SGT44** | SGA51**<br>SGA52**<br>SGA54**                                | SGA41**<br>SGA42**<br>SGA44** |
|                                 | 250<br>300<br>350 - 400   | 6         | LAL3640035M<br>LAL3640036M<br>MAL3660040M | SHG42**<br>SHG43**<br>SHG44**    | SHW42**<br>SHW43**<br>SHW44**   | ...<br>...<br>...   | ...<br>...<br>...  | ...<br>...<br>...             | SHA52**<br>SHA53**<br>SHA54**                                | SHA42**<br>SHA43**<br>SHA44** |
|                                 | 500<br>600                | 7         | MAL3680044M<br>MAL3680045M                | SJG41**<br>SJG42**               | SJW41**<br>SJW42**  | ...<br>...  | ...<br>...   | ...<br>...                    | SJA51**<br>SJA52**   | ...<br>...                    |

\* NEMA Size 6 and 7 Starters Are NEMA 4 Painted Sheet Steel Enclosures.

† NEMA 7 and 9 Bolted Are Not UL Listed.

‡ NEMA 12 Enclosures May be Field Modified for Outdoor Non-Corrosive and Non-Service-Entrance-Rated Applications.

\*\* Coil Voltage Code Must be Specified to Order This Product; Refer to Voltage Table on Page 12-13.

NOTE: Some Control Transformers May Require the Use of Oversized Enclosures; Form Y534 May be Used to Substitute an FAL Circuit Breaker (No Charge).

## Combination Starters - NEMA Rated

### Thermal Magnetic Circuit Breaker

### Motor Voltage 200 (208)

### Class 8539

Square D®

3-Pole Polyphase - 600VAC Maximum - 50-60 Hz.

Devices require 3 thermal units (Sizes 0-6).

Full voltage type, non-reversing, with melting alloy overload relays.

| Ratings                                  |                              |              |                   |                   | NEMA 1<br>General<br>Purpose<br>Enclosure | NEMA 4 & 4X<br>Watertight<br>and Dusttight<br>Enclosure<br>Stainless Steel<br>(304)<br>(Sizes 0-5)* | NEMA 4X<br>Watertight,<br>Dusttight<br>and<br>Corrosion<br>Resistant<br>Polyester<br>Enclosure | NEMA 7 & 9†<br>For Hazardous Locations<br>Class 1, Groups C & D<br>Class II, Groups E, F & G<br>(Cast Aluminum)<br>Division 1 & 2 |                            | NEMA 12/3R‡<br>Dusttight and<br>Driptight Industrial<br>Use Enclosure |                              |
|--|------------------------------|--------------|-------------------|-------------------|---|---|--|---|----------------------------|---|------------------------------|
| Motor<br>Voltage<br>(Starter<br>Voltage) | Maximum<br>Hp Poly-<br>phase | NEMA<br>Size | Circuit Breaker   |                   |   |   |  | SPIN TOP®<br>Type   | Bolted<br>Type             | With<br>External<br>Reset   | Without<br>External<br>Reset |
|  |                              |              | Type              | Ampere<br>Rating  |   |   |  |   |                            |   |                              |
| 200<br>(208)                             | 2<br>3                       | 0            | FAL††             | 15<br>20          | SBG1**<br>SBG3**                          | SBW1**<br>SBW3**  | SBW11**<br>SBW13**   | SBR1**<br>SBR3**  | SBT1**<br>SBT3**           | SBA11**<br>SBA13**  | SBA1**<br>SBA3**             |
|  | 5<br>7½                      | 1            | FAL††             | 35<br>50          | SCG5**<br>SCG2**                          | SCW5**<br>SCW2**  | SCW15**<br>SCW12**   | SCR5**<br>SCR2**  | SCT5**<br>SCT2**           | SCA15**<br>SCA12**  | SCA5**<br>SCA2**             |
|  | 10                           | 2            | FAL††             | 60                | SDG1**                                    | SDW1**  | SDW11**  | SDR1**  | SDT1**                     | SDA11**   | SDA1**                       |
|  | 15<br>20<br>25               | 3            | FAL<br>FAL<br>KAL | 90<br>100<br>110  | SEG3**<br>SEG1**<br>SEG5**                | SEW3**<br>SEW1**<br>SEW5**  | SEW13**<br>SEW11**<br>SEW15**  | SER3**<br>SER1**<br>SER5**  | SET3**<br>SET1**<br>SET5** | SEA13**<br>SEA11**<br>SEA15**   | SEA3**<br>SEA1**<br>SEA5**   |
|  | 30<br>40                     | 4            | KAL               | 125<br>200        | SFG3**<br>SFG4**                          | SFW3**<br>SFW4**  | SFW13**<br>SFW14**   | SFR3**<br>SFR4**  | SFT3**<br>SFT4**           | SFA13**<br>SFA14**  | SFA3**<br>SFA4**             |
|  | 50<br>60<br>75               | 5            | LAL               | 200<br>250<br>300 | SGG6**<br>SGG1**<br>SGG4**                | SGW6**<br>SGW1**<br>SGW4**  | ...<br>...<br>...  | SGR6**<br>SGR1**<br>SGR4**  | SGT6**<br>SGT1**<br>SGT4** | SGA16**<br>SGA11**<br>SGA14**   | SGA6**<br>SGA1**<br>SGA4**   |
|  | 100<br>125<br>150            | 6            | MAL               | 450<br>600<br>600 | SHG4**<br>SHG3**<br>SHG5**                | SHW4**<br>SHW3**<br>SHW5**  | ...<br>...<br>...  | ...<br>...<br>...   | ...<br>...<br>...          | SHA14**<br>SHA13**<br>SHA15**   | SHA4**<br>SHA3**<br>SHA5**   |

\* NEMA Size 6 and 7 Starters Are NEMA 4 Painted Sheet Steel Enclosures.

† NEMA 7 and 9 Bolted Are Not UL Listed.

‡ NEMA 12 Enclosures May be Field Modified for Outdoor Non-Corrosive and Non-Service-Entrance-Rated Applications.

\*\* Coil Voltage Code Must be Specified to Order This Product; Refer to Voltage Table on Page 12-13.

†† Rated 250V Max.

NOTE: Some Control Transformers May Require the Use of Oversized Enclosures.

### Combination Starters - NEMA Rated Thermal Magnetic Circuit Breaker Motor Voltage 230 (240) Class 8539

Square D®

3-Pole Polyphase - 600VAC Maximum - 50-60 Hz.

Devices require 3 thermal units (Sizes 0-6).

Full voltage type, non-reversing, with melting alloy overload relays.

| Ratings                                  |                              |              |                   | NEMA 1<br>General<br>Purpose<br>Enclosure | NEMA 4 & 4X<br>Watertight<br>and Dusttight<br>Enclosure<br>Stainless Steel<br>(304)<br>(Sizes 0-5)* | NEMA 4X<br>Watertight,<br>Dusttight<br>and<br>Corrosion<br>Resistant<br>Polyester<br>Enclosure | NEMA 7 & 9†<br>For Hazardous Locations<br>Class 1, Groups C & D<br>Class II, Groups E, F & G<br>(Cast Aluminum)<br>Division 1 & 2 |                            | NEMA 12/3R‡<br>Dusttight and<br>Driptight Industrial<br>Use Enclosure |                               |                            |
|--|------------------------------|--------------|-------------------|---|---|--|---|----------------------------|---|-------------------------------|----------------------------|
| Motor<br>Voltage<br>(Starter<br>Voltage) | Maximum<br>Hp Poly-<br>phase | NEMA<br>Size | Circuit Breaker   |   |   |  | SPIN TOP®<br>Type   | Bolted<br>Type             | With<br>External<br>Reset   | Without<br>External<br>Reset  |                            |
|  |                              |              | Type              |   |   |  |   |                            |   |                               | Ampere<br>Rating           |
| 230<br>(240)                             | 2<br>3                       | 0            | FAL††             | 15<br>20                                  | SBG1**<br>SBG3**  | SBW1**<br>SBW3**   | SBW11**<br>SBW13**  | SBR1**<br>SBR3**           | SBT1**<br>SBT3**  | SBA11**<br>SBA13**            | SBA1**<br>SBA3**           |
|  | 5<br>7½                      | 1            | FAL††             | 30<br>45                                  | SCG1**<br>SCG6**  | SCW1**<br>SCW6**   | SCW11**<br>SCW16**  | SCR1**<br>SCR6**           | SCT1**<br>SCT6**  | SCA11**<br>SCA16**            | SCA1**<br>SCA6**           |
|  | 10<br>15                     | 2            | FAL††             | 60<br>80                                  | SDG1**<br>SDG7**  | SDW1**<br>SDW7**   | SDW11**<br>SDW17**  | SDR1**<br>SDR7**           | SDT1**<br>SDT7**  | SDA11**<br>SDA17**            | SDA1**<br>SDA7**           |
|  | 20<br>25<br>30               | 3            | FAL<br>FAL<br>KAL | 90<br>100<br>110                          | SEG3**<br>SEG1**<br>SEG5**  | SEW3**<br>SEW1**<br>SEW5**   | SEW13**<br>SEW11**<br>SEW15**   | SER3**<br>SER1**<br>SER5** | SET3**<br>SET1**<br>SET5**  | SEA13**<br>SEA11**<br>SEA15** | SEA3**<br>SEA1**<br>SEA5** |
|  | 40<br>50                     | 4            | KAL               | 150<br>200                                | SFG1**<br>SFG4**  | SFW1**<br>SFW4**   | SFW11**<br>SFW14**  | SFR1**<br>SFR4**           | SFT1**<br>SFT4**  | SFA11**<br>SFA14**            | SFA1**<br>SFA4**           |
|  | 60<br>75<br>100              | 5            | LAL               | 225<br>250<br>350                         | SGG3**<br>SGG1**<br>SGG2**  | SGW3**<br>SGW1**<br>SGW2**   | ...   | SGR3**<br>SGR1**<br>SGR2** | SGT3**<br>SGT1**<br>SGT2**  | SGA13**<br>SGA11**<br>SGA12** | SGA3**<br>SGA1**<br>SGA2** |
|  | 125<br>150<br>200            | 6            | MAL               | 450<br>600<br>800                         | SHG4**<br>SHG3**<br>SHG7**  | SHW4**<br>SHW3**<br>SHW7**   | ...   | ...                        | ...   | SHA14**<br>SHA13**<br>SHA17** | SHA4**<br>SHA3**<br>SHA7** |
|  | 250<br>300                   | 7            | MAL               | 900<br>1000                               | SJG2**<br>SJG3**  | SJW2**<br>SJW3**   | ...   | ...                        | ...   | SJA12**<br>SJA13**            | ...                        |

\* NEMA Size 6 and 7 Starters Are NEMA 4 Painted Sheet Steel Enclosures.

† NEMA 7 and 9 Bolted Are Not UL Listed.

‡ NEMA 12 Enclosures May be Field Modified for Outdoor Non-Corrosive and Non-Service-Entrance-Rated Applications.

\*\* Coil Voltage Code Must be Specified to Order This Product; Refer to Voltage Table on Page 12-13.

†† Rated 250V Max.

NOTE: Some Control Transformers May Require the Use of Oversized Enclosures.



## Combination Starters - NEMA Rated Thermal Magnetic Circuit Breaker

### Motor Voltage 460 (480) and 575 (600)

#### Class 8539

Square D®

3-Pole Polyphase—600 Vac Maximum—50–60 Hz

Line Voltage Type, Non-Reversing, with Melting Alloy Overload Relays

| Motor Voltage (Starter Voltage) | Ratings                  |           |                   |                          | NEMA Type 1 General Purpose Enclosure | NEMA 4 & 4X Watertight and Dusttight Enclosure Stainless Steel (304) (Sizes 0–5)* | NEMA 4X Watertight Dusttight and Corrosion Resistant Polyester Enclosure | NEMAs 7 & 9† For Hazardous Locations Class I, Groups C & D Class II, Groups E, F & G (Cast Aluminum) Division 1 & 2 |                            | NEMA 12/3R‡ Dusttight and Driptight Industrial Use Enclosure |                                      |                  |                     |                        |
|---------------------------------|--------------------------|-----------|-------------------|--------------------------|---------------------------------------|---|--|---|----------------------------|--|--------------------------------------|------------------|---------------------|------------------------|
|                                 | Max. Hp Poly-phase       | NEMA Size | Circuit Breaker   |                          |                                       |   |  | Type  | Type                       | Type   | SPIN TOP® Type                       | Bolted Type      | With External Reset | Without External Reset |
|                                 |                          |           | Type              | Ampere Rating            |                                       |   |  |   |                            |  |                                      |                  | Type                | Type                   |
| 460 (480)                       | 5                        | 0         | FAL               | 15                       | SBG2**                                | SBW2**  | SBW12**  | SBR2**  | SBT2**                     | SBA12**  | SBA2**                               |                  |                     |                        |
|                                 | 7½<br>10                 | 1         | FAL               | 20<br>25                 | SCG3**<br>SCG7**                      | SCW3**<br>SCW7**  | SCW13**<br>SCW17**   | SCR3**<br>SCR7**  | SCT3**<br>SCT7**           | SCA13**<br>SCA17**   | SCA3**<br>SCA7**                     |                  |                     |                        |
|                                 | 15<br>20<br>25           | 2         | FAL               | 40<br>60<br>70           | SDG3**<br>SDG4**<br>SDG5**            | SDW3**<br>SDW4**<br>SDW5**  | SDW13**<br>SDW14**<br>SDW15**  | SDR3**<br>SDR4**<br>SDR5**  | SDT3**<br>SDT4**<br>SDT5** | SDA13**<br>SDA14**<br>SDA15**                                | SDA3**<br>SDA4**<br>SDA5**           |                  |                     |                        |
|                                 | 30<br>40<br>50           | 3         | FAL               | 80<br>90<br>100          | SEG6**<br>SEG3**<br>SEG1**            | SEW6**<br>SEW3**<br>SEW1**  | SEW16**<br>SEW13**<br>SEW11**  | SER6**<br>SER3**<br>SER1**  | SET6**<br>SET3**<br>SET1** | SEA16**<br>SEA13**<br>SEA11**                                | SEA6**<br>SEA3**<br>SEA1**           |                  |                     |                        |
|                                 | 60<br>75<br>100          | 4         | KAL               | 110<br>125<br>200        | SFG5**<br>SFG3**<br>SFG4**            | SFW5**<br>SFW3**<br>SFW4**  | SFW15**<br>SFW13**<br>SFW14**  | SFR5**<br>SFR3**<br>SFR4**  | SFT5**<br>SFT3**<br>SFT4** | SFA15**<br>SFA13**<br>SFA14**                                | SFA5**<br>SFA3**<br>SFA4**           |                  |                     |                        |
|                                 | 125<br>150<br>200        | 5         | LAL               | 225<br>250<br>350        | SGG3**<br>SGG1**<br>SGG2**            | SGW3**<br>SGW1**<br>SGW2**  | —  | SGR3**<br>SGR1**<br>SGR2**  | SGT3**<br>SGT1**<br>SGT2** | SGA13**<br>SGA11**<br>SGA12**                                | SGA3**<br>SGA1**<br>SGA2**           |                  |                     |                        |
|                                 | 250<br>300<br>350<br>400 | 6         | MAL               | 450<br>600<br>600<br>800 | SHG4**<br>SHG3**<br>SHG5**<br>SHG7**  | SHW4**<br>SHW3**<br>SHW5**<br>SHW7**  | —  | —   | —                          | SHA14**<br>SHA13**<br>SHA15**<br>SHA17**                     | SHA4**<br>SHA3**<br>SHA5**<br>SHA7** |                  |                     |                        |
|                                 | 500<br>600               | 7         | MAL               | 900<br>1000              | SJG2**<br>SJG3**                      | SJW2**<br>SJW3**  | —  | —   | —                          | SJA12**<br>SJA13**   | —                                    |                  |                     |                        |
|                                 | 575 (600)                | 5         | 0                 | FAL                      | 15                                    | SBG2**  | SBW2**   | SBW12**   | SBR2**                     | SBT2**   | SBA12**                              | SBA2**           |                     |                        |
|                                 |                          | 7½<br>10  | 1                 | FAL                      | 15<br>20                              | SCG8**<br>SCG3**  | SCW8**<br>SCW3**   | SCW18**<br>SCW13**  | SCR8**<br>SCR3**           | SCT8**<br>SCT3**   | SCA18**<br>SCA13**                   | SCA8**<br>SCA3** |                     |                        |
| 15<br>20<br>25                  |                          | 2         | FAL               | 35<br>45<br>60           | SDG8**<br>SDG9**<br>SDG4**            | SDW8**<br>SDW9**<br>SDW4**  | SDW18**<br>SDW19**<br>SDW14**  | SDR8**<br>SDR9**<br>SDR4**  | SDT8**<br>SDT9**<br>SDT4** | SDA18**<br>SDA19**<br>SDA14**                                | SDA8**<br>SDA9**<br>SDA4**           |                  |                     |                        |
| 30<br>40<br>50                  |                          | 3         | FAL               | 60<br>80<br>90           | SEG4**<br>SEG6**<br>SEG3**            | SEW4**<br>SEW6**<br>SEW3**  | SEW14**<br>SEW16**<br>SEW13**  | SER4**<br>SER6**<br>SER3**  | SET4**<br>SET6**<br>SET3** | SEA14**<br>SEA16**<br>SEA13**                                | SEA4**<br>SEA6**<br>SEA3**           |                  |                     |                        |
| 60<br>75<br>100                 |                          | 4         | FAL<br>KAL<br>KAL | 100<br>110<br>150        | SFG6**<br>SFG5**<br>SFG1**            | SFW6**<br>SFW5**<br>SFW1**  | SFW16**<br>SFW15**<br>SFW11**  | SFR6**<br>SFR5**<br>SFR1**  | SFT6**<br>SFT5**<br>SFT1** | SFA16**<br>SFA15**<br>SFA11**                                | SFA6**<br>SFA5**<br>SFA1**           |                  |                     |                        |
| 125<br>150<br>200               |                          | 5         | KAL<br>LAL<br>LAL | 200<br>200<br>250        | SGG7**<br>SGG6**<br>SGG1**            | SGW7**<br>SGW6**<br>SGW1**  | —  | SGR7**<br>SGR6**<br>SGR1**  | SGT7**<br>SGT6**<br>SGT1** | SGA17**<br>SGA16**<br>SGA11**                                | SGA7**<br>SGA6**<br>SGA1**           |                  |                     |                        |
| 250<br>300<br>350<br>400        |                          | 6         | MAL               | 350<br>450<br>500<br>600 | SHG6**<br>SHG4**<br>SHG2**<br>SHG3**  | SHW6**<br>SHW4**<br>SHW2**<br>SHW3**  | —  | —   | —                          | SHA16**<br>SHA14**<br>SHA12**<br>SHA13**                     | SHA6**<br>SHA4**<br>SHA2**<br>SHA3** |                  |                     |                        |
| 500<br>600                      |                          | 7         | MAL               | 800<br>900               | SJG1**<br>SJG2**                      | SJW1**<br>SJW2**  | —  | —   | —                          | SJA11**<br>SJA12**   | —                                    |                  |                     |                        |

\* NEMA Size 6 & 7 starters are NEMA 4 painted sheet steel enclosures.  
 † NEMA 7 & 9 bolted are not UL Listed.  
 ‡ NEMA 12 enclosures may be field modified for outdoor non-corrosive and non-service-entrance-rated applications.  
 Coil voltage code must be specified to order this product, as shown on page 12-13.  
**Note:** Some control transformers may require the use of oversized enclosures.

### Solid State Overload Relay

#### MOTOR LOGIC Plus

#### Class 9065

Square D®

MOTOR LOGIC Plus solid state overload relay is separately powered, fully programmable, and has one Form C relay output. It is designed to protect 200-480V AC or 600V AC, 3-phase AC motor applications.



| NEMA Size          | Overload Amp Rating | Type | Mfg. No. | Advanced ID              |
|--------------------|---------------------|------|----------|--------------------------|
| <b>200 to 480V</b> |                     |      |          |                          |
| 00                 | 0.5-2.3             | -    | 9065SPB4 | <a href="#">22095693</a> |
| 0                  | 2-9                 | -    | 9065SPC4 | <a href="#">22095695</a> |
| 1                  | 6-27                | -    | 9065SP14 | <a href="#">22095683</a> |
| 2                  | 10-45               | -    | 9065SP24 | <a href="#">22095685</a> |
| 3                  | 20-90               | -    | 9065SP34 | <a href="#">22095686</a> |
| 4*                 | 60-135              | -    | 9065SP44 | <a href="#">22095687</a> |
| 5†                 | 120-270             | -    | 9065SP54 | <a href="#">22095689</a> |
| 6‡                 | 240-540             | -    | 9065SP64 | <a href="#">22095691</a> |
| <b>600V</b>        |                     |      |          |                          |
| 00                 | 0.5-2.3             | -    | 9065SPB6 | <a href="#">22095694</a> |
| 0                  | 2-9                 | -    | 9065SPC6 | <a href="#">22095696</a> |
| 1                  | 6-27                | -    | 9065SP16 | <a href="#">22095684</a> |
| 2                  | 10-45               | -    | 9065SP26 | <a href="#">22084001</a> |
| 3                  | 20-90               | -    | 9065SP36 | <a href="#">22084002</a> |
| 4*                 | 60-135              | -    | 9065SP46 | <a href="#">22095688</a> |
| 5†                 | 120-270             | -    | 9065SP56 | <a href="#">22095690</a> |
| 6‡                 | 240-540             | -    | 9065SP66 | <a href="#">22095692</a> |

\*Size 4 with 150:5 external current transformers

†Size 5 with 300:5 external current transformers

‡Size 6 with 600:5 external current transformers

#### FORMS - 3 digit code (example: B42)

**1st digit = B (designates MOTOR LOGIC Plus overload Relay)**

**2nd digit = 2 (designates 0.5-2.3A Current Ranges)**

**2nd digit = 3 (designates 2-9A Current Ranges)**

**2nd digit = 4 (designates 6-27A Current Ranges)**

**2nd digit = 5 (designates 10-45A Current Ranges)**

**2nd digit = 6 (designates 20-90A Current Ranges)**

**2nd digit = 7 (designates 60-135A Current Ranges)**

**2nd digit = 8 (designates 120-270A Current Ranges)**

**2nd digit = 9 (designates 240-540A Current Ranges)**

**3rd digit = 0 (No modification for 200-480V)**

**3rd digit = 4 (No modification for 600V)**

### Solid State Overload Relay

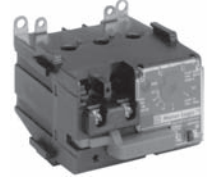
#### MOTOR LOGIC®

#### Base Units

#### Class 9065

Square D®

Base Unit relays feature: 3 to 1 adjustment for trip current; phase loss and unbalance protection; direct replacement for Type S melting alloy; and LED power indication. They are ambient insensitive and self-powered. Electrical remote reset is also available.



| NEMA Size  | Overload Amp Rating | Type                 | Mfg. No.  | Advanced ID              |
|--|---------------------|----------------------|-----------|--------------------------|
| <b>Base Unit: For Separate Mounting Solid State Overload Relay</b> |                     |                      |           |                          |
| <b>600V AC Maximum</b>   |                     |                      |           |                          |
| 00c*   | 3-9                 | Open - Trip Class 10 | 9065SSC10 | <a href="#">98310480</a> |
| 00c*   | 3-9                 | Open - Trip Class 20 | 9065SSC20 | <a href="#">96071115</a> |
| 0*   | 6-18                | Open - Trip Class 10 | 9065SS010 | <a href="#">95013411</a> |
| 0*   | 6-18                | Open - Trip Class 20 | 9065SS020 | <a href="#">95009690</a> |
| 1*   | 9-27                | Open - Trip Class 10 | 9065SS110 | <a href="#">95077286</a> |
| 1*   | 9-27                | Open - Trip Class 20 | 9065SS120 | <a href="#">95000934</a> |
| 2  | 15-45               | Open - Trip Class 10 | 9065SS210 | <a href="#">95077282</a> |
| 2  | 15-45               | Open - Trip Class 20 | 9065SS220 | <a href="#">95000935</a> |
| 3  | 30-90               | Open - Trip Class 10 | 9065SS310 | <a href="#">95077283</a> |
| 3  | 30-90               | Open - Trip Class 20 | 9065SS320 | <a href="#">96073264</a> |
| 4  | 45-135              | Open - Trip Class 10 | 9065SS410 | <a href="#">95077284</a> |
| 4  | 45-135              | Open - Trip Class 20 | 9065SS420 | <a href="#">95032410</a> |

#### Base Unit: Replacement SSOLR for Retrofit of Square D Type S Starter

#### Solid State Overload Relay

#### 600V AC Maximum

|     |        |                      |           |                            |
|-----|--------|----------------------|-----------|----------------------------|
| 2   | 15-45  | Open - Trip Class 10 | 9065SR210 | <a href="#">95077287††</a> |
| 2   | 15-45  | Open - Trip Class 20 | 9065SR220 | <a href="#">95009691††</a> |
| 3** | 30-90  | Open - Trip Class 10 | 9065SR310 | <a href="#">95077288††</a> |
| 3** | 30-90  | Open - Trip Class 20 | 9065SR320 | <a href="#">95025379††</a> |
| 4** | 45-135 | Open - Trip Class 10 | 9065SR410 | <a href="#">95077289††</a> |
| 4** | 45-135 | Open - Trip Class 20 | 9065SR420 | <a href="#">95025380††</a> |
| 5†  | 90-270 | Open - Trip Class 10 | 9065SR510 | <a href="#">22098228††</a> |
| 5†  | 90-270 | Open - Trip Class 20 | 9065SR520 | <a href="#">22098229††</a> |
| 5‡  | 90-270 | Open - Trip Class 10 | 9065SS510 | <a href="#">99451511††</a> |
| 5‡  | 90-270 | Open - Trip Class 20 | 9065SS520 | <a href="#">99509244††</a> |

\*Size 00c, 0, and 1 are supplied without lugs. Lower amperage loads can be protected by looping of power wires. Lugs are available.

†Size 5 replacement overload is only for existing NEMA S starters with MOTOR LOGIC overload relay. External CT's and additional components are not included.

‡ Size 5 is a complete drop-in replacement for Square D NEMA S melting alloy, bimetallic, and Y500 overload relays ONLY.

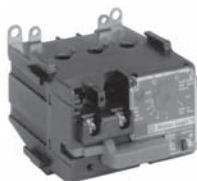
\*\*Need 9999ER4 for reset bar.

†† 8536 Starter with noted NEMA size and amperage.

## Solid State Overload Relay MOTOR LOGIC® Feature Units, Class 9065

Square D®

Feature Unit relays include all of the features found on the Base Unit relays plus: switch selectable trip class; Class II ground fault detection; and direct replacement for Type S melting alloy. 600V AC Maximum.



| Overload Amp |        | Type | Mfg. No. | Advanced ID |
|--------------|--------|------|----------|-------------|
| NEMA Size    | Rating |      |          |             |

### Feature Unit: For Separate Mounting Solid State Overload Relay

|     |          |                         |           |                          |
|-----|----------|-------------------------|-----------|--------------------------|
| 00b | 1.5-4.5* | Open - Trip Class 10/20 | 9065SFB20 | <a href="#">97137132</a> |
| 00c | 3-9*     | Open - Trip Class 10/20 | 9065SFC20 | <a href="#">96071116</a> |
| 0   | 6-18*    | Open - Trip Class 10/20 | 9065SF020 | <a href="#">95025642</a> |
| 1   | 9-27*    | Open - Trip Class 10/20 | 9065SF120 | <a href="#">95025644</a> |
| 2   | 15-45    | Open - Trip Class 10/20 | 9065SF220 | <a href="#">96073488</a> |
| 3   | 30-90    | Open - Trip Class 10/20 | 9065SF320 | <a href="#">96073494</a> |
| 4   | 45-135   | Open - Trip Class 10/20 | 9065SF420 | <a href="#">96073495</a> |

### Feature Unit: Replacement SSOLR for Retrofit of Square D Type S Starter

#### Solid State Overload Relay

|    |         |                      |           |                            |
|----|---------|----------------------|-----------|----------------------------|
| 2  | 15-45   | Open - Trip Class 10 | 9065ST220 | <a href="#">95025645**</a> |
| 3  | 30-90   | Open - Trip Class 20 | 9065ST320 | <a href="#">96073493**</a> |
| 4  | 45-135  | Open - Trip Class 10 | 9065ST420 | <a href="#">96073496**</a> |
| 5† | 90-270  | Open - Trip Class 20 | 9065ST520 | <a href="#">22098230**</a> |
| 5‡ | 90-270  | Open - Trip Class 10 | 9065SF520 | <a href="#">22098226**</a> |
| 6† | 180-540 | Open - Trip Class 20 | 9065ST620 | <a href="#">99701188**</a> |

\*Size 00b, 00c, 0, and 1 are supplied without lugs. Lower amperage loads can be protected by looping of power wires. Lugs are available.

†Size 5, 6 and 7 replacement overloads are only for existing NEMA S starters with MOTOR LOGIC overload relay. External CT's and additional components are not included.

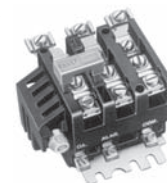
‡Size 5 is a complete drop-in replacement for Square D NEMA S melting alloy, bimetallic, and Y500 overload relays ONLY.

\*\*8536 Starter with noted NEMA size and Amperage

## Thermal Overload Relays - NEMA Rated Bimetallic Class 9065

Square D®

Bimetallic thermal overload relays feature Class 20 protection with automatic reset or hand reset and a trip-free mechanism. There are ambient temperature-compensated versions. NOTE THAT THERMAL UNITS ARE NOT INCLUDED.



| Overload Amp |        | Type | Mfg. No. | Advanced ID |
|--------------|--------|------|----------|-------------|
| NEMA Size    | Rating |      |          |             |

### For Separate Mounting - Bimetallic

600V Maximum, AC or DC\*

#### Three Pole Construction (One Common SPDT Contact on Type S) - 3 Thermal Units Required

##### Non-Compensated

|   |    |           |            |                           |
|---|----|-----------|------------|---------------------------|
| 1 | 26 | Open Type | 9065SEO6B2 | <a href="#">88249950†</a> |
| 2 | 45 | Open Type | 9065SEO9B2 | <a href="#">88249953†</a> |

##### Ambient Temperature - Compensated

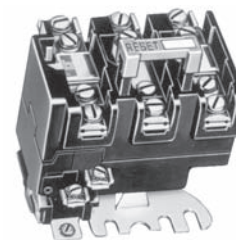
|   |    |           |           |                           |
|---|----|-----------|-----------|---------------------------|
| 1 | 26 | Open Type | 9065SEO6B | <a href="#">88249949†</a> |
| 2 | 45 | Open Type | 9065SEO9B | <a href="#">88249952†</a> |

\*Maximum power contact rating for separate mounting overload relays. Maximum control circuit contact rating for Type S versions is 600V AC only.

†SM2 (Bracket Kit)

## Replacement Melting Alloy Overload Relays for Square D Class 8536 Starters

Square D®



| Description               | For Use With   | Mfg. No.  | Advanced ID              |
|---------------------------|--|-----------|--------------------------|
| 1 Thermal Unit Required   | NEMA Size 00, Type SA, Series A&B, 2-Poles OR NEMA size 0, Type SB, Series A, 2-Pole, OR NEMA size 1, Type SC, Series A, 2-Pole. | 9065SDO4  | <a href="#">88249935</a> |
| 3 Thermal Units Required  | NEMA Size 00, Type SA, Series A&B, 3-Poles OR NEMA size 0, Type SB, Series A, 3-Pole, OR NEMA size 1, Type SC, Series A, 3-Pole. | 9065SDO5  | <a href="#">88249936</a> |
| 1 Thermal Unit Required   | NEMA Size 1P, Type SC, Series A, 2-Poles.  | 9065SDO10 | <a href="#">88249930</a> |
| 1 Thermal Unit Required   | NEMA Size 2, Type SD, Series A, 2-Poles.   | 9065SDO7  | <a href="#">88249940</a> |
| 3 Thermal Units Required* | NEMA Size 2, Type SD, Series A, 3-5-Poles.   | 9065SDO8  | <a href="#">88249941</a> |
| 1 Thermal Unit Required   | NEMA Size 3, Type SE, Series A, 2-Poles.   | 9065SDO11 | <a href="#">88249931</a> |
| 3 Thermal Units Required  | NEMA Size 3, Type SE, Series A, 3-Poles.   | 9065SDO12 | <a href="#">88249932</a> |
| 3 Thermal Units Required  | NEMA Size 3, Type SE, Series A, 5-Poles.   | 9065SDO14 | <a href="#">22098221</a> |
| 3 Thermal Units Required  | NEMA Size 4, Type SF, Series A, 3-Poles.   | 9065SDO15 | <a href="#">88249933</a> |
| 1 Thermal Unit Required   | NEMA Size 5, Type SG, Series A, 3-Poles.   | 9065SDO18 | <a href="#">88249934</a> |

\*For 4-pole starters used on two phase systems order two thermal units plus one Class 9998 Type SO31 jumper strap kit for every two starters. Each kit includes two jumper straps.

### TeSys™ D-Line Contactors (IEC Rated)

Telemecanique

Non-Reversing, AC or DC Operating Coil



LC1D09



LC1D093



LC1D115

#### 3-Pole Contactors with AC and DC Operating Coils

| Maximum Horsepower Ratings |             |             |             |             |             | Maximum Current             |                             | Auxiliary Contacts Built In |      | Catalog Number<br>*† |
|----------------------------|-------------|-------------|-------------|-------------|-------------|-----------------------------|-----------------------------|-----------------------------|------|----------------------|
| Single Phase               |             | Three Phase |             |             |             | Inductive<br>AC3<br>Amperes | Resistive<br>AC1<br>Amperes | N.O.                        | N.C. |                      |
| 115 V<br>hp                | 230 V<br>hp | 200 V<br>hp | 230 V<br>hp | 460 V<br>hp | 575 V<br>hp |                             |                             |                             |      |                      |
| 0.5                        | 1           | 2           | 2           | 5           | 7.5         | 9                           | 20                          | 1                           | 1    | LC1D09               |
| 1                          | 2           | 3           | 3           | 7.5         | 10          | 12                          | 25                          | 1                           | 1    | LC1D12               |
| 1                          | 3           | 5           | 5           | 10          | 15          | 18                          | 32                          | 1                           | 1    | LC1D18               |
| 2                          | 3           | 7.5         | 7.5         | 15          | 20          | 25                          | 40                          | 1                           | 1    | LC1D25               |
|                            | 5           | 10          | 10          | 20          | 30          | 32                          | 50                          | 1                           | 1    | LC1D32               |
| 3                          | 5           | 10          | 10          | 30          | 30          | 40                          | 60                          | 1                           | 1    | LC1D40               |
|                            | 7.5         | 15          | 15          | 40          | 40          | 50                          | 70                          | 1                           | 1    | LC1D50               |
| 5                          | 10          | 20          | 20          | 50          | 50          | 65                          | 80                          | 1                           | 1    | LC1D65               |
| 7.5                        | 15          | 25          | 30          | 60          | 60          | 80                          | 110                         | 1                           | 1    | LC1D80               |
| —                          | —           | 30          | 40          | 75          | 100         | 115                         | 175                         | 1                           | 1    | LC1D115              |
| —                          | —           | 40          | 50          | 100         | 125         | 150                         | 200                         | 1                           | 1    | LC1D150              |

\* Use voltage codes from the "Voltage Codes" table below to complete the catalog number.

† Contactor supplied with touch safe cable clamps. For ring terminal configuration on LC.D09–D32 and LC.DT20–DT40 contactors only, add "6" before coil voltage suffix. For spring terminal configuration add "3" before coil voltage suffix.

#### Voltage Codes (D-Line Only)

| Contactor                          | Hz    | 24 V | 48 V | 110 V | 120 V | 125 V | 208 V | 220 V | 240 V | 250 V | 440 V | 480 V | 600 V |
|------------------------------------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <b>AC</b>                          |       |      |      |       |       |       |       |       |       |       |       |       |       |
| LC1D40–LC1D150 only<br>(see notes) | 50    | B5   | E5   | F5    | —     | —     | —     | M5**  | U5    | —     | —     | —     | —     |
|                                    | 60    | B6   | E6   | F6    | G6    | —     | L6    | M6    | U6    | —     | —     | T6    | X6‡   |
| All (see notes)                    | 50/60 | B7   | E7   | F7    | G7    | —     | LE7   | M7    | U7    | —     | —     | T7**  | X7**  |

#### DC (D09–D32, D115 and D150 coils with integral suppression device are fitted as standard)

|                         |   |    |    |    |   |    |   |    |   |    |    |   |   |
|-------------------------|---|----|----|----|---|----|---|----|---|----|----|---|---|
| D09–D32 Low Consumption | — | BL | EL | FL | — | —  | — | ML | — | UL | —  | — | — |
| All                     | — | BD | ED | FD | — | GD | — | MD | — | UD | RD | — | — |

‡ Not available for LC1D115 and LC1D150.

\*\* Not available for LC1D40–LC1D150.

## TeSys™ Overload Relay

## D-Line Bimetallic

Telemecanique

Ambient Compensated Bimetallic overload relays. LRD overload relays are designed for direct mounting to D-line contactors. To panel mount these overloads separately, select separate mount kits.



| Overload Amp Rating           | For Use With | Type                            | Mfg. No. | Advanced ID              |
|-------------------------------|--------------|---------------------------------|----------|--------------------------|
| <b>D-Line Overload Relays</b> |              |                                 |          |                          |
| .10-.16                       | D09-D32      | Class 10 with 1Ø Sensitivity    | LRD01    | <a href="#">22048887</a> |
| .16-.25                       | D09-D32      | Class 10 with 1Ø Sensitivity    | LRD02    | <a href="#">22001890</a> |
| .25-.40                       | D09-D32      | Class 10 with 1Ø Sensitivity    | LRD03    | <a href="#">22001891</a> |
| .40-.63                       | D09-D32      | Class 10 with 1Ø Sensitivity    | LRD04    | <a href="#">22001892</a> |
| .63-1                         | D09-D32      | Class 10 with 1Ø Sensitivity    | LRD05    | <a href="#">22001893</a> |
| 1-1.6                         | D09-D32      | Class 10 with 1Ø Sensitivity    | LRD06    | <a href="#">22001894</a> |
| 1-1.6                         | D09-D32      | Class 10 without 1Ø Sensitivity | LR3D06   | <a href="#">22046092</a> |
| 1.6-2.5                       | D09-D32      | Class 10 with 1Ø Sensitivity    | LRD07    | <a href="#">22001895</a> |
| 1.6-2.5                       | D09-D32      | Class 10 without 1Ø Sensitivity | LR3D07   | <a href="#">22048937</a> |
| 2.5-4                         | D09-D32      | Class 10 with 1Ø Sensitivity    | LRD08    | <a href="#">22001897</a> |
| 2.5-4                         | D09-D32      | Class 10 without 1Ø Sensitivity | LR3D08   | <a href="#">22046095</a> |
| 2.5-4                         | D09-D32      | Class 20 with 1Ø Sensitivity    | LRD1508  | <a href="#">22048934</a> |
| 4-6                           | D09-D32      | Class 10 with 1Ø Sensitivity    | LRD10    | <a href="#">22004884</a> |
| 4-6                           | D09-D32      | Class 10 without 1Ø Sensitivity | LR3D10   | <a href="#">22072915</a> |
| 4-6                           | D09-D32      | Class 20 with 1Ø Sensitivity    | LRD1510  | <a href="#">22073283</a> |
| 5.5-8                         | D09-D32      | Class 10 with 1Ø Sensitivity    | LRD12    | <a href="#">99877857</a> |
| 5.5-8                         | D09-D32      | Class 10 without 1Ø Sensitivity | LR3D12   | <a href="#">22072917</a> |
| 5.5-8                         | D09-D32      | Class 20 with 1Ø Sensitivity    | LRD1512  | <a href="#">22073598</a> |
| 7-10                          | D09-D32      | Class 10 with 1Ø Sensitivity    | LRD14    | <a href="#">99877858</a> |
| 7-10                          | D09-D32      | Class 10 without 1Ø Sensitivity | LR3D14   | <a href="#">22072918</a> |
| 7-10                          | D09-D32      | Class 20 with 1Ø Sensitivity    | LRD1514  | <a href="#">22048936</a> |
| 9-13                          | D12-D32      | Class 10 with 1Ø Sensitivity    | LRD16    | <a href="#">99877894</a> |
| 9-13                          | D12-D32      | Class 10 without 1Ø Sensitivity | LR3D16   | <a href="#">22072919</a> |
| 9-13                          | D12-D32      | Class 20 with 1Ø Sensitivity    | LRD1516  | <a href="#">22061994</a> |
| 12-18                         | D18-D32      | Class 10 with 1Ø Sensitivity    | LRD21    | <a href="#">22001899</a> |
| 12-18                         | D18-D32      | Class 10 without 1Ø Sensitivity | LR3D21   | <a href="#">22072920</a> |
| 12-18                         | D18-D32      | Class 20 with 1Ø Sensitivity    | LRD1521  | <a href="#">22048938</a> |
| 16-24                         | D25-D32      | Class 10 with 1Ø Sensitivity    | LRD22    | <a href="#">22001901</a> |
| 16-24                         | D25-D32      | Class 10 without 1Ø Sensitivity | LR3D22   | <a href="#">22072921</a> |
| 17-25                         | D25-D32      | Class 20 with 1Ø Sensitivity    | LRD1522  | <a href="#">22072305</a> |
| 23-32                         | D25-D32      | Class 10 with 1Ø Sensitivity    | LRD32    | <a href="#">22001902</a> |
| 23-32                         | D25-D32      | Class 10 without 1Ø Sensitivity | LR3D32   | <a href="#">22074569</a> |
| 23-28                         | D25-D32      | Class 20 with 1Ø Sensitivity    | LRD1530  | <a href="#">22101958</a> |
| 25-32                         | D25-D32      | Class 20 with 1Ø Sensitivity    | LRD1532  | <a href="#">22071807</a> |
| 30-38                         | D32          | Class 10 with 1Ø Sensitivity    | LRD35    | <a href="#">22001904</a> |
| 30-38                         | D32          | Class 10 without 1Ø Sensitivity | LR3D35   | <a href="#">22101939</a> |
| 17-25                         | D40-D80      | Class 10 with 1Ø Sensitivity    | LRD3322  | <a href="#">22046122</a> |
| 17-25                         | D40-D80      | Class 10 without 1Ø Sensitivity | LR3D3322 | <a href="#">97280854</a> |
| 17-25                         | D40-D80      | Class 20 with 1Ø Sensitivity    | LR2D3522 | <a href="#">94026491</a> |
| 17-25                         | D40-D80      | Class 20 without 1Ø Sensitivity | LR3D3522 | <a href="#">22100681</a> |
| 23-32                         | D40-D80      | Class 10 with 1Ø Sensitivity    | LRD3353  | <a href="#">22037641</a> |
| 23-32                         | D40-D80      | Class 20 with 1Ø Sensitivity    | LR2D3553 | <a href="#">94026492</a> |
| 23-32                         | D40-D80      | Class 20 without 1Ø Sensitivity | LR3D3553 | <a href="#">99973937</a> |
| 30-40                         | D40-D80      | Class 10 with 1Ø Sensitivity    | LRD3355  | <a href="#">22007659</a> |
| 30-40                         | D40-D80      | Class 10 without 1Ø Sensitivity | LR3D3355 | <a href="#">96073273</a> |
| 30-40                         | D40-D80      | Class 20 with 1Ø Sensitivity    | LR2D3555 | <a href="#">94038587</a> |
| 30-40                         | D40-D80      | Class 20 without 1Ø Sensitivity | LR3D3555 | <a href="#">99973938</a> |
| 37-50                         | D50-D80      | Class 10 with 1Ø Sensitivity    | LRD3357  | <a href="#">22007727</a> |
| 37-50                         | D50-D80      | Class 10 without 1Ø Sensitivity | LR3D3357 | <a href="#">97280855</a> |
| 37-50                         | D50-D80      | Class 20 with 1Ø Sensitivity    | LR2D3557 | <a href="#">94038586</a> |

Continued ►



### TeSys™ Overload Relay

#### D-Line Bimetallic

Telemecanique

| Overload Amp Rating           | For Use With | Type                            | Mfg. No. | Advanced ID              |
|-------------------------------|--------------|---------------------------------|----------|--------------------------|
| <b>D-Line Overload Relays</b> |              |                                 |          |                          |
| 37-50                         | D50-D80      | Class 20 without 1Ø Sensitivity | LR3D3557 | <a href="#">99973939</a> |
| 48-65                         | D50-D80      | Class 10 with 1Ø Sensitivity    | LRD3359  | <a href="#">22007728</a> |
| 48-65                         | D50-D80      | Class 10 without 1Ø Sensitivity | LR3D3359 | <a href="#">97280856</a> |
| 48-65                         | D50-D80      | Class 20 with 1Ø Sensitivity    | LR2D3559 | <a href="#">95014339</a> |
| 48-65                         | D50-D80      | Class 20 without 1Ø Sensitivity | LR3D3559 | <a href="#">99973940</a> |
| 55-70                         | D65-D80      | Class 10 with 1Ø Sensitivity    | LRD3361  | <a href="#">22007729</a> |
| 55-70                         | D65-D80      | Class 10 without 1Ø Sensitivity | LR3D3361 | <a href="#">97280857</a> |
| 55-70                         | D65-D80      | Class 20 with 1Ø Sensitivity    | LR2D3561 | <a href="#">95040995</a> |
| 55-70                         | D65-D80      | Class 20 without 1Ø Sensitivity | LR3D3561 | <a href="#">99973941</a> |
| 63-80                         | D65-D80      | Class 10 with 1Ø Sensitivity    | LRD3363  | <a href="#">22007730</a> |
| 63-80                         | D65-D80      | Class 10 without 1Ø Sensitivity | LR3D3363 | <a href="#">22071128</a> |
| 63-80                         | D65-D80      | Class 20 with 1Ø Sensitivity    | LR2D3563 | <a href="#">93163641</a> |
| 63-80                         | D65-D80      | Class 20 without 1Ø Sensitivity | LR3D3563 | <a href="#">99973942</a> |
| 80-104                        | D80          | Class 10 with 1Ø Sensitivity    | LRD3365  | <a href="#">22048885</a> |
| 80-104                        | D115-D150    | Class 10 with 1Ø Sensitivity    | LRD4365  | <a href="#">22056799</a> |
| 95-120                        | D115-D150    | Class 10 with 1Ø Sensitivity    | LRD4367  | <a href="#">22017777</a> |
| 110-140                       | D150         | Class 10 with 1Ø Sensitivity    | LRD4369  | <a href="#">22052532</a> |

### TeSys™ Overload Relay

#### D-Line Solid State

Telemecanique

LRD solid state overload relays provide accurate, repeatable protection of a solid state device, while still maintaining the simplicity of a traditional overload relay. They are designed to mount directly to an LC1D contactor. Available in either Class 10 or 20 trip models, each unit incorporates both a normally open and normally closed auxiliary contact.

| Overload Amp Rating           | For Use With | Type *        | Mfg. No. | Advanced ID              |
|-------------------------------|--------------|---------------|----------|--------------------------|
| <b>D-Line Overload Relays</b> |              |               |          |                          |
| 60-100                        | D115-D150    | Trip Class 10 | LR9D5367 | <a href="#">99968496</a> |
| 90-150                        | D115-D150    | Trip Class 10 | LR9D5369 | <a href="#">99449729</a> |

\*IEC standard 60947-4 specifies the following trip times when the overload relay senses 7.2 times the setting current: class 10-between 4 and 10 seconds.



## Accessories for TeSys Overload Relays

Telemecanique



LA7D901



LA7D03

| Description  | For Use With                                     | Mfg. No. | Advanced ID              |
|--|--|----------|--------------------------|
| <b>Mounting Kits and Plates*</b>   |  |          |                          |
| Separate mounting kits for mounting to 35 mm omega rail or for panel mounting with screws      | LRD01-35 and LR3D01-35                           | LAD7B10  | <a href="#">22014168</a> |
| Separate mounting kits for mounting to 35 mm omega rail or for panel mounting with screws      | LR2D15   | LA7D1064 | <a href="#">92103191</a> |
| Separate mounting kits for mounting to 35 mm omega rail or for panel mounting with screws      | LR2D25   | LA7D2064 | <a href="#">92103193</a> |
| Separate mounting kits for mounting to 35 mm omega rail or for panel mounting with screws      | LRD3, LR3D, LR2D35                               | LA7D3064 | <a href="#">92103195</a> |
| Mounting plates for screw mounting at 110 mm (4.3 in.) centers                                 | LRD01-35, LR3D01-35, LR2D15                      | DX1AP25  | <a href="#">92049229</a> |
| Mounting plates for screw mounting at 110 mm (4.3 in.) centers                                 | LR2D25   | DX1AP26  | <a href="#">94046144</a> |
| Mounting plates for screw mounting at 110 mm (4.3 in.) centers                                 | LRD3, LR3D3, LR2D35                              | LA7D902  | <a href="#">92103143</a> |
| <b>Pre Wiring Kit</b>  |  |          |                          |
| Allows direct connection of the N.C. contact of relay LRD01-D32 or LR3D01-D32 to the contactor | LC1D09-LC1D18                                    | LAD7C1   | <a href="#">22100887</a> |
| Allows direct connection of the N.C. contact of relay LRD01-D32 or LR3D01-D32 to the contactor | LC1D25, LC1D32                                   | LAD7C2   | <a href="#">22100888</a> |
| <b>Other Accessories</b>   |  |          |                          |
| Stop button locking device   | All relays except LRD01-D32, LR3D01-D32 and LR9D | LA7D901  | <a href="#">92103142</a> |
| Marker holder - Clips on front of relay  | -  | LA9D90   | <a href="#">92103129</a> |
| *When using mounting plates, separate mounting kits are also required.                         |  |          |                          |

### Definite Purpose Contactors - Types DP, DPA, and SYD

#### Class 8910

Square D®

- Compact Design
- Industry Standard Mounting
- Double Break Contacts
- Low Coil VA
- Straight-Through Wiring
- Low Cost

Definite purpose contactors are ideal for heating, air conditioning, refrigeration, data processing, and food service equipment. New compact 1 and 2-Pole contactors are available along with standard size 2, 3, and 4-Pole devices.

They feature quick connect terminals and binder head screws for easy wiring. Box lugs are standard on 40 ampere contactors and larger. An exclusive DIN track mounting option may reduce installation costs. Coils can be changed on the Type DPA contactors quickly without a tool. Auxiliary contact modules snap on either side of the Type DPA contactors.

#### Compact 1-Pole Contactors—600 Vac Maximum

| Full Load Amperes | Locked Rotor Amperes |       |       | Resistive Load Amperes | Horsepower Ratings |          | N.O. Poles | Type      |
|-------------------|----------------------|-------|-------|------------------------|--------------------|----------|------------|-----------|
|                   | 277 V                | 460 V | 575 V |                        | 115 V 1Ø           | 230 V 1Ø |            |           |
| 20                | 100                  | 100   | 80    | 25                     | 1                  | 2        | 1          | 8910DP11‡ |
| 25                | 125                  | 125   | 100   | 30                     | 2                  | 3        | 1          | 8910DP21‡ |
| 30                | 150                  | 150   | 120   | 40                     | 2                  | 3        | 1          | 8910DP31‡ |
| 40                | 240                  | 200   | 160   | 50*                    | 2                  | 5        | 1          | 8910DP41‡ |

#### Compact 2-Pole Contactors—600 Vac Maximum†

| Full Load Amperes | Locked Rotor Amperes |       |       | Resistive Load Amperes | Horsepower Ratings |          | N.O. Poles | Type      |
|-------------------|----------------------|-------|-------|------------------------|--------------------|----------|------------|-----------|
|                   | 277 V                | 460 V | 575 V |                        | 115 V 1Ø           | 230 V 1Ø |            |           |
| 20                | 100                  | 100   | 80    | 30                     | 1                  | 2        | 2          | 8910DP12‡ |
| 25                | 125                  | 125   | 100   | 35                     | 2                  | 3        | 2          | 8910DP22‡ |
| 30                | 150                  | 150   | 120   | 40                     | 2                  | 5        | 2          | 8910DP32‡ |
| 40                | 240                  | 200   | 160   | 50                     | 2                  | 5        | 2          | 8910DP42‡ |

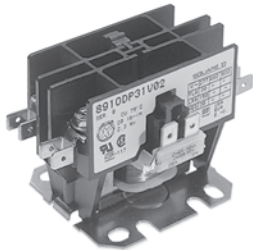
#### 2, 3, and 4-Pole Contactors—600 Vac Maximum††

| Full Load Amperes | Locked Rotor Amperes |       |       | Resistive Load Amperes | Horsepower Ratings |          |          |              | N.O. Poles  | Type                                   |
|-------------------|----------------------|-------|-------|------------------------|--------------------|----------|----------|--------------|-------------|--|
|                   | 230 V                | 460 V | 575 V |                        | 115 V 1Ø           | 230 V 1Ø | 230 V 3Ø | 460/575 V 3Ø |             |  |
| 20                | 120                  | 100   | 80    | 25                     | 1                  | 2        | 5        | 7½           | 2<br>3<br>4 | 8910DPA12‡<br>8910DPA13‡<br>8910DPA14‡ |
| 25                | 150                  | 125   | 100   | 35                     | 2                  | 3        | 7½       | 10           | 2<br>3<br>4 | 8910DPA22‡<br>8910DPA23‡<br>8910DPA24‡ |
| 30                | 180                  | 150   | 120   | 40                     | 2                  | 5        | 10       | 15           | 2<br>3<br>4 | 8910DPA32‡<br>8910DPA33‡<br>8910DPA34‡ |
| 40                | 240                  | 200   | 160   | 50                     | 3                  | 7½       | 10       | 20           | 2<br>3<br>4 | 8910DPA42‡<br>8910DPA43‡<br>8910DPA44‡ |
| 50                | 300                  | 250   | 200   | 65                     | 3                  | 10       | 15       | 30           | 2<br>3      | 8910DPA52‡<br>8910DPA53‡               |
| 60                | 360                  | 300   | 240   | 75                     | 5                  | 10       | 25       | 30           | 2<br>3      | 8910DPA62‡<br>8910DPA63‡               |
| 75                | 450                  | 375   | 300   | 94                     | 5                  | 15       | 25       | 40           | 2<br>3      | 8910DPA72‡<br>8910DPA73‡               |
| 90                | 540                  | 450   | 360   | 120                    | 7½                 | 20       | 30       | 50           | 2<br>3      | 8910DPA92‡<br>8910DPA93‡               |
| 120               | 720                  | 600   | 480   | 120                    | 10                 | 25       | 40       | 75           | 2<br>3      | 8910DPA122‡<br>8910DPA123‡             |
| 132               | 800                  | 800   | 520   | 132                    | —                  | —        | —        | —            | 3           | 8910SYD138‡                            |
| 220               | 1500                 | 1500  | 1200  | 220                    | —                  | —        | —        | —            | 3           | 8910SYD230‡                            |
| 352               | 2200                 | 2200  | 1800  | 352                    | —                  | —        | —        | —            | 3           | 8910SYD368‡                            |

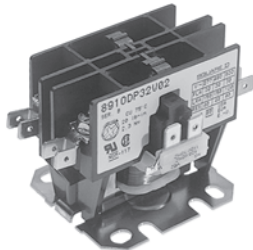
\* 50 A Resistive, maximum 277 V. All others rated 40 A Resistive (above 277 V).

† Above 240 V, all lines must be switched.

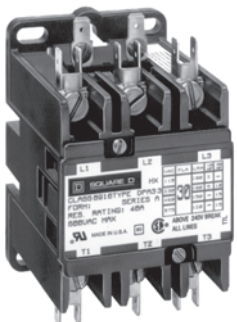
†† Voltage code must be specified to order this product. Refer to standard voltage codes listed below.



Type DP31V02  
1-Pole



Type DP32V02  
2-Pole



Type DPA33V02  
3-Pole

#### Coil Voltage Codes

| Voltage |       | Code Type DP, DPA | Code Type DPA122, DPA123, SYD |
|---------|-------|-------------------|-------------------------------|
| 60 Hz   | 50 Hz |                   |                               |
| 24      | 24    | V14               | V12**                         |
| 24      | —     | —                 | V01††                         |
| 120     | 110   | V02               | V02                           |
| 208     | —     | —                 | V08                           |
| 208-240 | 220   | V09               | —                             |
| 230-240 | 220   | —                 | V03                           |
| 277     | —     | V04               | V04                           |
| 480     | 440   | V06●              | V06                           |
| 600     | 550   | V07○              | V07                           |

\*\* 24 V 50 Hz only.

†† Available on Types DPA122, DPA123, and SYD138 only.

● Not available for Type DP11 through DP31 single-pole devices.

○ Not available for Type DP one- and two-pole devices.

## Magnetic Coils for Contactors and Starters

Square D®

Replacement AC magnet coils for magnetic contactors and starters (Classes 8502, 8536, 8538, 8539, 8606, 8630, 8640, 8647, 8650, 8651, 8702, 8736, 8738, 8739, 8810, 8811, 8812, 8903, 8910 and 8940 except NP).

| Equipment to be Serviced     |                                |       | Coil Prefix or Class and Type                            | Hz       | Suffix Number (Complete Coil Number Consists of Prefix or Class and Type Followed by Suffix Number) |           |           |           |           |           |           |            |           |           |            |            | Coil VA      |            |
|------------------------------|--------------------------------|-------|--|----------|---|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|------------|------------|--------------|------------|
| Size                         | Type                           | Poles |  |          | 24 V  | 110-115 V | 120 V     | 208 V     | 220 V     | 240 V     | 277 V     | 380 V      | 440 V     | 480 V     | 550 V      | 600 V      | In-Rush      | Sealed     |
| 30A                          | L                              | 2-6   | 9998L  | 60<br>50 | 23<br>24  | ...<br>44 | 44<br>45  | 50<br>52  | *<br>53   | 53<br>54  | 55<br>... | ...<br>60  | ...<br>62 | 62<br>63  | ...<br>65  | 65<br>66   | 150<br>140   | 30<br>30   |
|                              |                                | 8-12  | 9998LH   | 60<br>50 | 23<br>24  | ...<br>44 | 44<br>45  | 50<br>... | *<br>53   | 53<br>54  | 55<br>... | ...<br>60  | ...<br>62 | 62<br>... | ...<br>65  | 65<br>...  | 180<br>170   | 35<br>35   |
|                              | LX (Latch)                     | 2-4   | 9998L  | 60<br>50 | 23<br>24  | ...<br>44 | 44<br>45  | 50<br>52  | ...<br>53 | 53<br>54  | 55<br>... | ...<br>60  | ...<br>62 | 62<br>63  | ...<br>65  | 65<br>66   | 150<br>140   | ...<br>... |
|                              |                                | 6-12  | 9998LH   | 60<br>50 | 23<br>24  | ...<br>44 | 44<br>45  | 50<br>... | ...<br>53 | 53<br>54  | 55<br>... | ...<br>60  | ...<br>62 | 62<br>... | ...<br>65  | 65<br>...  | 180<br>170   | ...<br>... |
| 00                           | SA†<br>(Series B)              | All   | 9998SAC  | 60<br>50 | 23<br>...   | *<br>45   | 45<br>... | 52<br>... | *<br>54   | 54<br>... | 55<br>... | 59<br>...  | *<br>62   | 62<br>... | *<br>65    | 65<br>...  | 165<br>...   | 33<br>...  |
| 00,<br>0, 1,<br>1-P &<br>30A | SA (Series A)<br>SB, SC & SM   | All   | 31041-400  | 60<br>50 | 20<br>22  | *<br>42   | 42<br>43  | 48<br>... | *<br>51   | 51<br>53  | 52<br>... | 56<br>57   | 58<br>60  | 60<br>*   | 61<br>62   | 62<br>64   | 245<br>232   | 27<br>26   |
| 2 &<br>60A                   | SD & SP                        | 2 & 3 | 31063-409  | 60<br>50 | 16<br>17  | *<br>38   | 38<br>39  | 44<br>... | *<br>47   | 47<br>48  | 49<br>... | 53<br>54   | *<br>57   | 57<br>... | *<br>60    | 60<br>61   | 311<br>296   | 37<br>36   |
|                              |                                | 4 & 5 | 31063-400  | 60<br>50 | 16<br>17  | *<br>38   | 38<br>39  | 44<br>... | *<br>47   | 47<br>48  | 49<br>... | 53<br>54   | *<br>57   | 57<br>... | *<br>60    | 60<br>61   | 438<br>429   | 38<br>37   |
| 3 &<br>100A                  | DPA12_<br>SE, SQ &<br>SYD138   | 2 & 3 | 31074-400  | 60<br>50 | 16<br>17  | *<br>38   | 38<br>39  | 44<br>... | *<br>47   | 47<br>48  | 49<br>... | 53<br>54   | *<br>57   | 57<br>... | *<br>60    | 60<br>61   | 700<br>678   | 46<br>47   |
|                              |                                | 4 & 5 | 31091-400  | 60<br>50 | ...<br>...  | *<br>38   | 38<br>39  | 44<br>... | *<br>47   | 47<br>48  | 49<br>... | 53<br>54   | *<br>57   | 57<br>58  | *<br>60    | 60<br>61   | 1185<br>1260 | 85<br>89   |
| 4 &<br>200A                  | SF, SV &<br>SYD230             | All   | 31091-400  | 60<br>50 | ...<br>...  | *<br>38   | 38<br>39  | 44<br>... | *<br>47   | 47<br>48  | 49<br>... | 53<br>54   | *<br>57   | 57<br>58  | *<br>60    | 60<br>61   | 1185<br>1260 | 85<br>89   |
| 5 &<br>300A                  | SG, SX &<br>SYD368<br>Series A | All   | 31096-400  | 60<br>50 | ...<br>...  | *<br>09   | 09<br>10  | 15<br>... | *<br>18   | 18<br>... | 19<br>... | 21<br>22   | *<br>24   | 24<br>... | *<br>29    | 29<br>30   | 2970<br>2970 | 212<br>250 |
|                              |                                | All   | 31096-320  | 60<br>50 | ...<br>...  | 50<br>50  | 50<br>50  | 51<br>... | 52<br>52  | 52<br>52  | 53<br>... | 54<br>54   | 55<br>55  | 55<br>55  | ...<br>... | ...<br>... | 1300<br>...  | 14<br>...  |
| 6 & 7                        | SH & SJ                        | 2-3   | <b>Coil Part Number 3110440050 (All System Voltages)</b> |          |   |           |           |           |           |           |           |            |           |           |            | 1780       | 48           |            |
| 400,<br>600 &<br>800A        | SY, SZ, SJ<br>(Elect. Held)    |       |  |          |   |           |           |           |           |           |           |            |           |           |            | 1960       | 59           |            |
|                              | SY, SZ, SJ<br>(Mech. Held)     | 2-3   | 31104-418  | 60<br>50 | ...<br>...  | *<br>09   | 09<br>... | 15<br>... | *<br>18   | 18<br>... | 19<br>... | ...<br>... | *<br>24   | 24<br>... | *<br>29    | 29<br>...  | 1530<br>1250 | ...<br>... |

### Replacement AC Magnet Coils for Obsolete Design Magnetic Contactors and Starters – Classes 8502 and 8536‡

|    |                  |     |           |          |          |          |          |           |          |          |           |          |           |            |          |            |            |            |
|----|------------------|-----|-----------|----------|----------|----------|----------|-----------|----------|----------|-----------|----------|-----------|------------|----------|------------|------------|------------|
| 00 | A (Series B & C) | All | 31012-400 | 60<br>50 | 23<br>25 | 42<br>43 | 43<br>46 | 49<br>... | *<br>... | 52<br>55 | 55<br>... | 58<br>60 | 60<br>... | ...<br>... | 63<br>65 | ...<br>... | 118<br>115 | 10.5<br>10 |
| 00 | SA (Series A)    | All | 31041-400 | 60<br>50 | 20<br>22 | *<br>42  | 42<br>43 | 48<br>... | *<br>51  | 51<br>53 | 52<br>... | 56<br>57 | *<br>60   | 60<br>61   | *<br>62  | 62<br>64   | 245<br>232 | 27<br>26   |

\* Use Next Higher Voltage, 60 Hz Coil

† Use on Type S Series B Devices Only

‡ Includes Reversing, 2-Speed and Similar Devices; Select Coil Based on NEMA Size of Basic Starter or Contactor

### Magnetic Coils for Relays, Timers and Contactors

Square D®

Replacement AC magnet coils for relays, timers and contactors (Class 8501 relays, 9050 timers, 8508 contactors, 8903 lighting contactors)

| Equipment to be Serviced |      |       | Coil Prefix or Class and Type | Hz | Suffix Number (Complete Coil Number Consists of Prefix or Class and Type Followed by Suffix Number) |           |       |       |       |       |       |       |       |       |       | Coil VA |         |
|--------------------------|------|-------|-------------------------------|----|---|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|---------|
| Device                   | Type | Poles |                               |    | 24 V  | 110-115 V | 120 V | 208 V | 220 V | 240 V | 277 V | 380 V | 440 V | 480 V | 550 V | 600 V   | In-Rush |

#### Classes 8501 and 9050

|               |    |     |            |          |              |              |              |              |              |              |              |     |              |              |              |              |            |          |
|---------------|----|-----|------------|----------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-----|--------------|--------------|--------------|--------------|------------|----------|
| 8501 (Relays) | X  | All | 9998-X†    | 60<br>50 | 23<br>24     | ...          | 44<br>...    | 51<br>52     | 52<br>53     | 53<br>...    | 55<br>...    | ... | ...          | 62<br>...    | ...          | 65<br>...    | 148<br>143 | 23<br>25 |
|               | A* | All | 2959-549-  | 60<br>50 | W25A<br>W25B | W31B<br>W32A | W32A<br>W32B | W34A<br>W34B | W34B<br>W35A | W35A<br>W35B | W35B<br>W36A | ... | W37B<br>W38A | W38A<br>W38B | W38B<br>W39A | W39A<br>W39B | 74<br>68   | 17<br>17 |
|               | B‡ | All | 31017-400- | 60<br>50 | 33<br>34     | ...          | 54<br>55     | 61<br>...    | 61<br>63     | 63<br>64     | 65<br>...    | ... | 70<br>72     | 72<br>73     | 73<br>75     | 75<br>76     | 165<br>155 | 27<br>27 |

#### Mechanically Held Unlatch Coils – Classes 8508 and 8903

|                            |                    |     |           |          |              |            |              |             |            |              |             |     |            |             |            |             |             |     |
|----------------------------|--------------------|-----|-----------|----------|--------------|------------|--------------|-------------|------------|--------------|-------------|-----|------------|-------------|------------|-------------|-------------|-----|
| 8903 (Lighting Contactors) | LX                 | All | 9998LX    | 60<br>50 | 23<br>...    | ...        | 44<br>...    | 51<br>...   | ...        | 53<br>...    | 55<br>...   | ... | ...        | 62<br>...   | ...        | 65<br>...   | 25<br>...   | ... |
|                            | SM, SP             | All | 2959-513  | 60<br>50 | W23B<br>W24B | **<br>W30B | W30B<br>W31B | W33A<br>... | **<br>W33B | W33B<br>W34B | W34A<br>... | ... | **<br>W36B | W36B<br>... | **<br>W37B | W37B<br>... | 80<br>...   | ... |
|                            | SQ, SV, SX, SY, SZ | All | 31096-416 | 60<br>50 | 03<br>...    | **<br>09   | 09<br>...    | 15<br>...   | **<br>18   | 18<br>...    | 20<br>...   | ... | **<br>24   | 24<br>...   | **<br>28   | 28<br>...   | 550<br>...  | ... |
|                            | SJ                 | All | 31123-403 | 60<br>50 | 03<br>...    | **<br>09   | 09<br>...    | 15<br>...   | **<br>18   | 18<br>...    | 20<br>...   | ... | **<br>24   | 24<br>...   | **<br>28   | 28<br>...   | 2100<br>... | ... |

#### Replacement DC Magnet Coils for Magnetic Relays and Timers

| Equipment to be Serviced |      |       | Coil Prefix or Class and Type | Suffix Number (Complete Coil Number Consists of Prefix or Class and Type Followed by Suffix Number) |     |     |     |     |     |     |     |     |      |          |      | Coil Burden Watts |          |
|--------------------------|------|-------|-------------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|------|----------|------|-------------------|----------|
| Class                    | Type | Poles |                               | 6V  | 12V | 18V | 24V | 32V | 48V | 64V | 72V | 90V | 110V | 115/125V | 220V |                   | 230/250V |
| 8501 (Relays)            | XD   | All   | 9998 XD                       | 19  | 28  | 34  | 37  | 40  | 46  | 49  | 52  | 55  | ...  | 58       | ...  | 67                | 18       |
|                          | XDL  | ...   | 9998 XDL                      | 19  | 28  | 34B | 37B | 40B | 46B | 49B | 52B | 55B | ...  | 58B      | ...  | 67B               | 50       |
|                          | XUD  | All   | 9998 XUD                      | 19  | 28  | ... | 37  | ... | 46  | ... | ... | ... | ...  | 58       | ...  | 67††              | 16       |
| 9050 (Timers)            | C    |       | 31018-400-                    | 22  | 31  | ... | 40  | ... | 49  | ... | ... | ... | ...  | 61       | ...  | 70                | 14       |
|                          | H    |       | 4491S1                        | W21   | W24 | ... | W27 | ... | W30 | ... | ... | ... | ...  | W34      | ...  | W37               | 14       |

#### Replacement Coil for 8903 Panel Board Lighting Contactors

| Advanced ID | Mfg. No.  | Class | Type | Replacement Solenoid |
|-------------|-----------|-------|------|----------------------|
| 22069847    | 9998PBV08 | 8903  | PB   | 208V                 |
| 22095983    | 9998PBV39 |       |      | 240/277V             |
| 22095982    | 9998PBV28 |       |      | 480V                 |
| ...         | 9999PBV02 |       |      | 120V                 |

\* Not 1E, 1D, 5DE.

† To Order an Unlatch Coil, Add the Letter "L" to the Type Number and the Letter "B" to the Suffix Number; Example XL44B.

‡ Series C (Double Pole) and Series E (Single Pole).

\*\* Use Next Higher Voltage, 60 Hz Coil.

†† Not Dual Rated; 125V DC or 250V DC Only.

## TeSys™ U-Line Motor Starters

### General Information

Telemecanique

The TeSys U-Line motor starter provides motor control from a basic starter to a controller which communicates on networks and provides programmable motor protection.

Using a plug-in modular design, the U-line starter allows the maximum flexibility in motor control. Select the 45 mm Power Base, panel mount, or mount on a 35 mm DIN rail. Select and install the various plug-in components for the application.

1. Power Base
  - A. Self-protected base (shown), 12 or 32 A
  - B. Starter base, 12 or 32 A

The power bases (starter and self-protected) provide the main contacts (power poles) for the device. The self-protected base provides short circuit protection as a self-protected, UL 508 Type E approved device.

2. Interchangeable Control Units—provide the control and thermal overload functions for the starter. The types available are:

- A. Standard control unit—provides basic Class 10 trip characteristics, no communications capabilities.
- B. Advanced control unit—provides a choice in Class 10 or Class 20 trip characteristics and allows for network communications when used with appropriate modules.
- C. Multifunction control unit—provides a wider range of programmable protection with built-in MODBUS® communication capabilities.

Six interchangeable, wide-range control units provide motor protection from 0.15 A to 32 A. The low consumption (low heat dissipation) control units include built-in surge protection.

3. Function and communication modules

Various function modules provide alarm indications, fault differentiation (manual and automatic reset on overload trip) and indication of motor load (Amps).

Communication modules allow either parallel or serial communication via MODBUS or AS-i networks. Other communications protocols are possible via gateways.

Auxiliary contact function modules provide a hard contact to monitor status of the power poles. Modules in three configurations (2 N.O., 1 N.O./1 N.C., and 2 N.C) provide signaling capabilities as traditional hard-wired contacts.

4. Auxiliary contact blocks

Indicate the status of the power poles and provide a fault signaling contact as traditional hard-wired contacts.

5. Plug-in terminal blocks

Allow wiring to be prepared in advance of final installation or to assist in any maintenance work without unwiring.

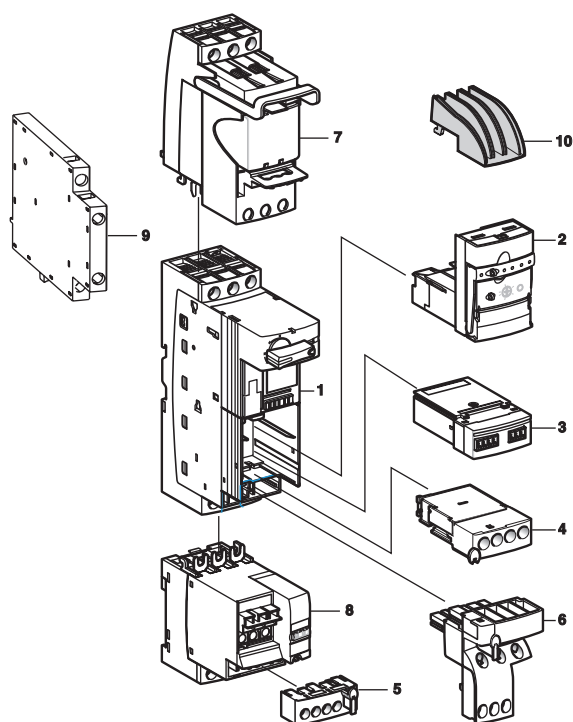
6. Control circuit pre-wiring blocks

Allow simple, clip-on connection to be made to other units (such as the reversing module).

7. Current Limiter/Isolator

Mounts directly to the self-protected power bases and provides increased short circuit breaking capacity (up to 130 kA at 480 V and 65 kA at 600 V). In addition, the unit provides visible circuit isolation from the main power with provisions for padlocking.

Other options include a reversing block (8), a control circuit contact block (9), incoming line insulator (10) required for stand alone (UL 508 Type E) applications, and handle mounting kit for through-the-door operation of the self-protected power base.

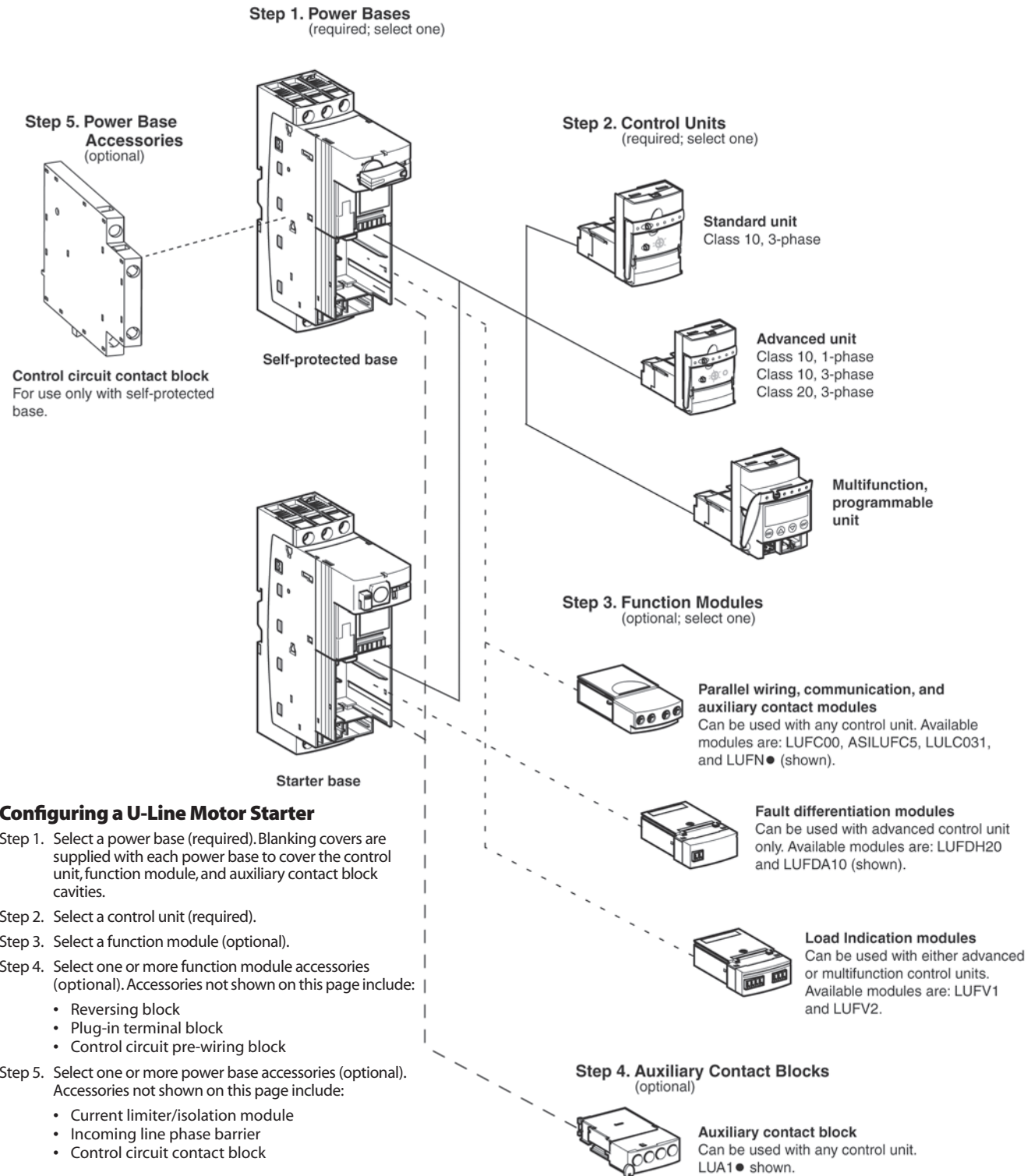


Examples of Various U-Line Starter Components

### TeSys™ U-Line Motor Starters

#### Selection Process

Telemecanique



#### Configuring a U-Line Motor Starter

Step 1. Select a power base (required). Blanking covers are supplied with each power base to cover the control unit, function module, and auxiliary contact block cavities.

Step 2. Select a control unit (required).

Step 3. Select a function module (optional).

Step 4. Select one or more function module accessories (optional). Accessories not shown on this page include:

- Reversing block
- Plug-in terminal block
- Control circuit pre-wiring block

Step 5. Select one or more power base accessories (optional). Accessories not shown on this page include:

- Current limiter/isolation module
- Incoming line phase barrier
- Control circuit contact block



## TeSys™ U-Line Motor Starters

### Power Bases

#### Non-Reversing

Telemecanique

A complete U-line motor self protected starter consists of one power base and one control unit (see TeSys U-Line Motor Starters - Control Units).

Each base includes one N.O. and one N.C. auxiliary contact to indicate the open or closed position of the power contacts.



| Amp Rating   | 3Ø Max. HP   | 1Ø Max. HP           | Features                    | Mfg. No. | Advanced ID              |
|--|--|----------------------|-----------------------------|----------|--------------------------|
| <b>Full Voltage, Non-Reversing for Standard Applications</b> |  |                      |                             |          |                          |
| <b>With Screw Terminations</b>                               |  |                      |                             |          |                          |
| 12   | 200/208V - 3, 220/240V - 3, 460V - 7.5, 575/600V - 10  | 120V - 1.5, 240V - 2 | Self-Protected Starter Base | LUB12    | <a href="#">22106219</a> |
| 32   | 200/208V - 10, 220/240V - 10, 460V - 20, 575/600V - 25 | 120V - 2, 240V - 5   | Self-Protected Starter Base | LUB32    | <a href="#">22081746</a> |

## TeSys™ U-Line Motor Starters

### Power Bases

#### Reversing

Telemecanique

The U-line self protected motor starter consists of one power base and one control unit (see TeSys U-Line Motor Starters - Control Units).

Each base includes one N.O. and one N.C. auxiliary contact to indicate the open or closed position of the power contacts.



| Amp Rating   | 3Ø Max. HP   | 1Ø Max. HP           | Features                    | Mfg. No.   | Advanced ID              |
|--|--|----------------------|-----------------------------|------------|--------------------------|
| <b>Full Voltage, Reversing for Standard Applications</b> |  |                      |                             |            |                          |
| 12   | 200/208V - 3, 220/240V - 3, 460V - 7.5, 575/600V - 10  | 120V - 1.5, 240V - 2 | Self-Protected Starter Base | LU2B12BL*† | <a href="#">22124237</a> |
| 12   | 200/208V - 3, 220/240V - 3, 460V - 7.5, 575/600V - 10  | 120V - 1.5, 240V - 2 | Self-Protected Starter Base | LU2B12B    | <a href="#">22124236</a> |
| 12   | 200/208V - 3, 220/240V - 3, 460V - 7.5, 575/600V - 10  | 120V - 1.5, 240V - 2 | Self-Protected Starter Base | LU2B12FU   | <a href="#">22124238</a> |
| 32   | 200/208V - 10, 220/240V - 10, 460V - 20, 575/600V - 25 | 120V - 2, 240V - 5   | Self-Protected Starter Base | LU2B32BL*† | <a href="#">22124240</a> |
| 32   | 200/208V - 10, 220/240V - 10, 460V - 20, 575/600V - 25 | 120V - 2, 240V - 5   | Self-Protected Starter Base | LU2B32B    | <a href="#">22124239</a> |
| 32   | 200/208V - 10, 220/240V - 10, 460V - 20, 575/600V - 25 | 120V - 2, 240V - 5   | Self-Protected Starter Base | LU2B32FU   | <a href="#">22124241</a> |

#### Control Voltage Codes

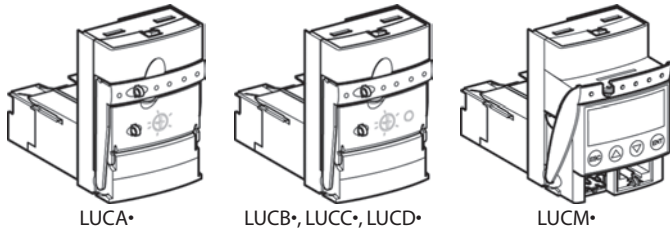
| Voltage     | 24   | 110-240 |
|-------------|------|---------|
| DC          | BL*† | -       |
| AC 50/60 Hz | B    | -       |
| AC or DC    | -    | FU      |

\*Voltage code to use for a power base with a communication module

†DC voltage with range of 0.90 to 1.10 of nominal

### TeSys™ U-Line Motor Starters Control Units

Telemecanique



The control units contain solid state overload relay and control power source for the U-line motor starter. When used with a U-line power base, these create a complete motor starter. Select one control unit from the listings below based on the functions required and the full load current of the motor.

NOTE: The LUC•18• and LUC•32• control units can only be used on a 32A power base. Mechanical interference prevents the use of these devices in 12A power bases.

| Amp Setting Range | Used With Power Base Amp Rating | Mfg. No. | Advanced ID |
|-------------------|---------------------------------|----------|-------------|
|-------------------|---------------------------------|----------|-------------|

#### Standard Units - Class 10, 3-Phase

No test feature, no motor data communications

| Amp Setting Range | Used With Power Base Amp Rating | Mfg. No.   | Advanced ID |
|-------------------|---------------------------------|------------|-------------|
| 0.15-0.6          | 12 or 32                        | LUCAX6BL*† | 22124273    |
| 0.15-0.6          | 12 or 32                        | LUCAX6B    | 22124272    |
| 0.15-0.6          | 12 or 32                        | LUCAX6FU   | 22106220    |
| 0.3-1.4           | 12 or 32                        | LUCA1XBL*† | 22124270    |
| 0.3-1.4           | 12 or 32                        | LUCA1XB    | 22124269    |
| 0.3-1.4           | 12 or 32                        | LUCA1XFU   | 22106221    |
| 1.25-5.0          | 12 or 32                        | LUCA05BL*† | 22124264    |
| 1.25-5.0          | 12 or 32                        | LUCA05B    | 22124263    |
| 1.25-5.0          | 12 or 32                        | LUCA05FU   | 22106222    |
| 3-12              | 12 or 32                        | LUCA12BL*† | 22124266    |
| 3-12              | 12 or 32                        | LUCA12B    | 22124265    |
| 3-12              | 12 or 32                        | LUCA12FU   | 22106223    |
| 4.5-18            | 32 (only)                       | LUCA18BL*† | 22124268    |
| 4.5-18            | 32 (only)                       | LUCA18B    | 22124267    |
| 4.5-18            | 32 (only)                       | LUCA18FU   | 22106224    |
| 8-32              | 32 (only)                       | LUCA32BL*† | 22082178    |
| 8-32              | 32 (only)                       | LUCA32B    | 22124271    |
| 8-32              | 32 (only)                       | LUCA32FU   | 22081747    |

#### Advanced Units - Class 10, 3-Phase

Test button (simulates thermal overload trip), motor data available via communication function modules.

| Amp Setting Range | Used With Power Base Amp Rating | Mfg. No.   | Advanced ID |
|-------------------|---------------------------------|------------|-------------|
| 0.15-0.6          | 12 or 32                        | LUCBX6BL*† | 22124289    |
| 0.15-0.6          | 12 or 32                        | LUCBX6B    | 22124288    |
| 0.15-0.6          | 12 or 32                        | LUCBX6FU   | 22124290    |
| 0.3-1.4           | 12 or 32                        | LUCB1XBL*† | 22124284    |
| 0.3-1.4           | 12 or 32                        | LUCB1XB    | 22124283    |
| 0.3-1.4           | 12 or 32                        | LUCB1XFU   | 22124285    |
| 1.25-5.0          | 12 or 32                        | LUCB05BL*† | 22124275    |
| 1.25-5.0          | 12 or 32                        | LUCB05B    | 22124274    |
| 1.25-5.0          | 12 or 32                        | LUCB05FU   | 22124276    |
| 3-12              | 12 or 32                        | LUCB12BL*† | 22124278    |
| 3-12              | 12 or 32                        | LUCB12B    | 22124277    |
| 3-12              | 12 or 32                        | LUCB12FU   | 22124279    |
| 4.5-18            | 32 (only)                       | LUCB18BL*† | 22124281    |

Continued ►

| Amp Setting Range | Used With Power Base Amp Rating | Mfg. No. | Advanced ID |
|-------------------|---------------------------------|----------|-------------|
|-------------------|---------------------------------|----------|-------------|

#### Advanced Units - Class 10, 3-Phase

Test button (simulates thermal overload trip), motor data available via communication function modules.

| Amp Setting Range | Used With Power Base Amp Rating | Mfg. No.   | Advanced ID |
|-------------------|---------------------------------|------------|-------------|
| 4.5-18            | 32 (only)                       | LUCB18B    | 22124280    |
| 4.5-18            | 32 (only)                       | LUCB18FU   | 22124282    |
| 8-32              | 32 (only)                       | LUCB32BL*† | 22124287    |
| 8-32              | 32 (only)                       | LUCB32B    | 22124286    |
| 8-32              | 32 (only)                       | LUCB32FU   | 22124228    |

#### Advanced Units - Class 10, 1-Phase

Test button (simulates thermal overload trip), motor data available via communication function modules

| Amp Setting Range | Used With Power Base Amp Rating | Mfg. No.  | Advanced ID |
|-------------------|---------------------------------|-----------|-------------|
| 0.15-0.6          | 12 or 32                        | LUCX6B    | 22124301    |
| 0.15-0.6          | 12 or 32                        | LUCX6FU   | 22124302    |
| 0.3-1.4           | 12 or 32                        | LUC1XBL*† | 22103232    |
| 0.3-1.4           | 12 or 32                        | LUC1XB    | 22124297    |
| 0.3-1.4           | 12 or 32                        | LUC1XFU   | 22124298    |
| 1.25-5.0          | 12 or 32                        | LUC05BL*† | 22124291    |
| 1.25-5.0          | 12 or 32                        | LUC05FU   | 22124292    |
| 3-12              | 12 or 32                        | LUC12B    | 22124293    |
| 3-12              | 12 or 32                        | LUC12FU   | 22124294    |
| 4.5-18            | 32 (only)                       | LUC18BL*† | 22124296    |
| 4.5-18            | 32 (only)                       | LUC18B    | 22124295    |
| 8-32              | 32 (only)                       | LUC32BL*† | 22124299    |
| 8-32              | 32 (only)                       | LUC32FU   | 22124300    |

#### Advanced Units - Class 20, 3-Phase

Test button (simulates thermal overload trip), motor data available via communication function modules

| Amp Setting Range | Used With Power Base Amp Rating | Mfg. No.   | Advanced ID |
|-------------------|---------------------------------|------------|-------------|
| 0.15-0.6          | 12 or 32                        | LUCDX6BL*† | 22124316    |
| 0.15-0.6          | 12 or 32                        | LUCDX6B    | 22124315    |
| 0.15-0.6          | 12 or 32                        | LUCDX6FU   | 22124317    |
| 0.3-1.4           | 12 or 32                        | LUCD1XBL*† | 22124310    |
| 0.3-1.4           | 12 or 32                        | LUCD1XB    | 22124309    |
| 0.3-1.4           | 12 or 32                        | LUCD1XFU   | 22124311    |
| 1.25-5.0          | 12 or 32                        | LUCD05BL*† | 22124304    |
| 1.25-5.0          | 12 or 32                        | LUCD05B    | 22124303    |
| 1.25-5.0          | 12 or 32                        | LUCD05FU   | 22121613    |
| 3-12              | 12 or 32                        | LUCD12BL*† | 22124306    |
| 3-12              | 12 or 32                        | LUCD12B    | 22124305    |
| 3-12              | 12 or 32                        | LUCD12FU   | 22122570    |
| 4.5-18            | 32 (only)                       | LUCD18BL*† | 22124308    |
| 4.5-18            | 32 (only)                       | LUCD18B    | 22124307    |
| 4.5-18            | 32 (only)                       | LUCD18FU   | 22121614    |
| 8-32              | 32 (only)                       | LUCD32BL*† | 22124313    |
| 8-32              | 32 (only)                       | LUCD32B    | 22124312    |
| 8-32              | 32 (only)                       | LUCD32FU   | 22124314    |

#### Multifunction Programmable Units

Built-in MODBUS® communication port, 24V DC only

| Amp Setting Range | Used With Power Base Amp Rating | Mfg. No. | Advanced ID |
|-------------------|---------------------------------|----------|-------------|
| 0.15-0.6          | 12 or 32                        | LUCMX6BL | 22124323    |
| 0.3-1.4           | 12 or 32                        | LUCM1XBL | 22124321    |
| 1.25-5.0          | 12 or 32                        | LUCM05BL | 22124318    |
| 3-12              | 12 or 32                        | LUCM12BL | 22124319    |
| 4.5-18            | 32 (only)                       | LUCM18BL | 22124320    |
| 8-32              | 32 (only)                       | LUCM32BL | 22124322    |

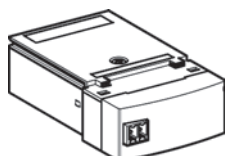
#### Control Voltage Codes

| Voltage           | 24   | 48-72 | 110-240 |
|-------------------|------|-------|---------|
| DC                | BL*† | -     | -       |
| AC 50/60 Hz       | B    | -     | -       |
| DC or AC 50/60 Hz | -    | ES    | FU      |

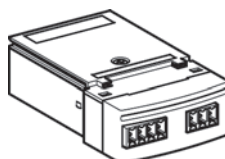
\*Voltage code to use for a power base with a communication module  
†DC voltage with range of 0.90 to 1.10 of nominal

## TeSys™ U-Line Motor Starters Function Modules

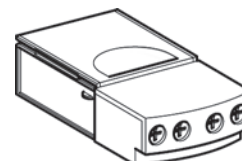
Telemecanique



LUFD\*



LUFV\*



LUFN\*

The function modules available for U-Line motor starters are shown in the table below. Only one function module can be installed in a U-line motor starter.

| Module                                     | For Use With  | Operation Requirements                                   | Mfg. No. | Advanced ID              |
|--|---|--|----------|--------------------------|
| <b>Available Function Modules</b>          |   |  |          |                          |
| Thermal overload pre-alarm                 | Advanced control units only   | 24-250V AC or V DC (power from control unit)             | LUFW10   | <a href="#">22124328</a> |
| Motor load indication                      | Advanced or multi function control units  | 4-20 mA (requires separate 24V DC power supply)          | LUFV2    | <a href="#">22124327</a> |
| Parallel wiring                            | Advanced or multi function control units (24V DC only) and LU9BN11C or LU9MRC pre-wired connector | LU9G02 splitter box and PLC network                      | LUFC00   | <a href="#">22124324</a> |
| MODBUS® communication                      | Advanced or multi function control units (24V DC only) and LU9BN11C or LU9MRC pre-wired connector | Requires separate 24V DC power supply and MODBUS network | LULC033  | <a href="#">22124329</a> |
| <b>Auxiliary Contact Function Modules†</b> |   |  |          |                          |
| -  | -   | 2 N.O. contact arrangement                               | LUFN20   | <a href="#">92104898</a> |
| -  | -   | 1 N.O. and 1 N.C. contact arrangement                    | LUFN11   | <a href="#">22081748</a> |
| -  | -   | 2 N.C. contact arrangement                               | LUFN02   | <a href="#">22124325</a> |

†These function modules provide hard contacts to indicate various operating conditions of the U-line starter. Units with screw terminals plug directly into the U-Line power base. Units without terminals require the appropriate terminal block to be installed.

## TeSys™ U-Line Motor Starters Auxiliary Contact Blocks

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| Terminals                       | Contact Indications       | Mfg. No. | Advanced ID              |
|---------------------------------|---------------------------|----------|--------------------------|
| <b>Auxiliary Contact Blocks</b> |                           |          |                          |
| Screw                           | 1 N.O. and 1 N.C. contact | LUA1C11  | <a href="#">22128857</a> |
| Screw                           | 2 N.O. contacts           | LUA1C20  | <a href="#">22124260</a> |

**Industrial Control Transformers Dimensions Table**

**Class 9070**

Square D®

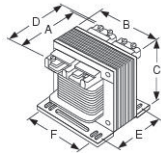


Figure 1

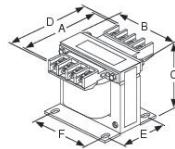


Figure 2

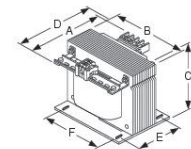


Figure 3

Below are the dimensions for each type of industrial control transformer (T25-T5000)

| Type Dimension Key |       |       |       | A    | B    | C    | D    | E    | F    | Slots   | Figure | Weight |
|--------------------|-------|-------|-------|------|------|------|------|------|------|---------|--------|--------|
| I                  | II    | III   | IV    | IN   | IN   | IN   | IN   | IN   | IN   | IN      |        | (lbs)  |
| T25                | T25   | ...   | ...   | 3.09 | 3    | 2.58 | 3.84 | 2    | 2.5  | .20x.38 | 1      | 2.5    |
| ...                | ...   | T25   | ...   | 4    | 3.43 | 2.64 | 4.8  | 2    | 2.5  | .20x.48 | 2      | 3.5    |
| ...                | ...   | T50   | T50   | 4.19 | 3.43 | 2.89 | 4.99 | 2.38 | 2.81 | .20x.48 | 2      | 4      |
| T75                | T50   | ...   | ...   | 3.34 | 3.38 | 2.89 | 4.09 | 2.38 | 2.81 | .20x.48 | 1      | 3.8    |
| T150               | T75   | ...   | ...   | 3.59 | 3.75 | 3.2  | 4.34 | 2.88 | 3.13 | .20x.38 | 1      | 5.5    |
| T200               | T100  | ...   | ...   |      |      |      |      |      |      |         |        |        |
| ...                | ...   | T75   | T75   | 4.88 | 3.75 | 3.2  | 5.68 | 2.88 | 3.13 | .20x.38 | 2      | 7.2    |
| ...                | ...   | T100  | ...   |      |      |      |      |      |      |         |        |        |
| T250               | ...   | T150  | T100  | 5.25 | 3.75 | 3.25 | 6.05 | 2.88 | 3.13 | .20x.38 | 2      | 7.1    |
| T300               | T200  | T200  | T150  | 4.7  | 4.5  | 3.8  | 5.5  | 2.56 | 3.75 | .20x.38 | 2      | 8.5    |
| T350               | T250  | T250  | T200  | 5.09 | 4.5  | 3.8  | 5.89 | 3    | 3.75 | .20x.38 | 2      | 10.5   |
| ...                | ...   | ...   | ...   |      |      |      |      |      |      |         |        |        |
| T500               | T350  | T350  | T300  | 5.46 | 4.5  | 3.8  | 6.26 | 3.56 | 3.75 | .28x.56 | 2      | 11.9   |
| ...                | ...   | ...   | ...   |      |      |      |      |      |      |         |        |        |
| T750               | T500  | T500  | T350  | 5.66 | 5.25 | 4.43 | 6.46 | 3.43 | 4.38 | .28x.56 | 2      | 11     |
| ...                | ...   | ...   | ...   |      |      |      |      |      |      |         |        |        |
| T1000              | T750  | T750  | T750  | 6.04 | 5.25 | 4.43 | 6.84 | 4.31 | 4.38 | .28x.56 | 2      | 20.6   |
| T1500              | T1000 | T1000 | T1000 | 5.81 | 7.06 | 6.16 | 6.61 | 4.13 | 5.81 | .28x.56 | 2      | 34     |
| T2000              | T1500 | T1500 | T1500 | 7.04 | 7.06 | 6.16 | 7.84 | 4.56 | 5.81 | .28x.56 | 2      | 47     |
| T3000              | T2000 | T2000 | T2000 | 6.86 | 9    | 8.46 | 7.26 | 4.63 | 7.63 | .44x.69 | 3      | 60     |
| T5000              | T3000 | T3000 | T3000 | 8.73 | 9    | 8.46 | 9.13 | 6.56 | 7.63 | .44x.69 | 3      | 89     |

## Industrial Control Transformers

### Type T

### Class 9070

#### Square D®

The Type T units are designed for the global market and are the best choice when size and cost are of concern.

Type T transformers are designed with the various temperature classes:

50-150 VA with a 55°C temperature rise, 105°C insulation

200-350 VA with a 80°C temperature rise, 130°C insulation

500-5000 VA with a 115°C temperature rise, 180°C insulation.

Square D manufactures a wide variety of voltage combinations for control transformers. The voltage combinations are expressed as 'Voltage Codes' and these codes are embedded within the catalog number of the transformer (i.e., the D1 in 9070T25D1 is the voltage code). If the voltage combination you need is not listed call your Advanced branch for assistance.

FOR DIMENSIONS SEE *INDUSTRIAL CONTROL TRANSFORMERS DIMENSIONS TABLE ON PAGE 12-34.*

#### Features

- 50/60 Hz Rated
- Customer Installed Accessories Available

| UL/CSA/NOM VA | CE VA | Mfg. No.    | Advanced ID     | Primary Voltage | Secondary Voltage | Dimensions * |
|---------------|-------|-------------|-----------------|-----------------|-------------------|--------------|
| <b>T25</b>    |       |             |                 |                 |                   |              |
| 25            | 25    | 9070T25D1   | <b>97214808</b> | 240 x 480       | 120               | I            |
| <b>T50</b>    |       |             |                 |                 |                   |              |
| 50            | 50    | 9070T50D1   | <b>96020455</b> | 240 x 480       | 120               | I            |
| 50            | 50    | 9070T50D31  | <b>96020639</b> | 240 x 480       | 120/240           | I            |
| 50            | 50    | 9070T50D5   | <b>96020645</b> | 600             | 120               | I            |
| 50            | 50    | 9070T50D24  | <b>97118072</b> | 120             | 120               | I            |
| 50            | 50    | 9070T50D3   | <b>96020638</b> | 208             | 120               | I            |
| 50            | 50    | 9070T50D4   | <b>96020643</b> | 277             | 120               | I            |
| 50            | 50    | 9070T50D24  | <b>97118072</b> | 240 x 480       | 24                | I            |
| 50            | 50    | 9070T50D13  | <b>96020458</b> | 120             | 12/24             | I            |
| 50            | 50    | 9070T50D23  | <b>96020635</b> | 120/240         | 24                | I            |
| 50            | 50    | 9070T50D14  | <b>96020624</b> | 208             | 24                | I            |
| 50            | 50    | 9070T50D15  | <b>96020626</b> | 240 x 480       | 24/120            | I            |
| 50            | 50    | 9070T50D12  | <b>96020457</b> | 480             | 240               | I            |
| <b>T75</b>    |       |             |                 |                 |                   |              |
| 75            | 75    | 9070T75D1   | <b>96020674</b> | 240 x 480       | 120               | I            |
| 75            | 75    | 9070T75D24  | <b>97193937</b> | 120             | 120               | I            |
| 75            | 75    | 9070T75D51  | <b>22008574</b> | 208/277         | 120               | I            |
| 75            | 75    | 9070T75D24  | <b>97193937</b> | 240 x 480       | 24                | I            |
| 75            | 75    | 9070T75D59  | <b>22129020</b> | 240 x 480       | 12/24             | I            |
| 75            | 75    | 9070T75D13  | <b>96020676</b> | 120             | 12/24             | I            |
| 75            | 75    | 9070T75D23  | <b>96020684</b> | 120/240         | 24                | I            |
| 75            | 75    | 9070T75D54  | <b>22129057</b> | 120/240         | 12/24             | I            |
| 75            | 75    | 9070T75D15  | <b>22129058</b> | 240 x 480       | 24/120            | I            |
| <b>T100</b>   |       |             |                 |                 |                   |              |
| 100           | 100   | 9070T100D1  | <b>96020299</b> | 240 x 480       | 120               | I            |
| 100           | 100   | 9070T100D31 | <b>96020318</b> | 240 x 480       | 120/240           | I            |
| 100           | 100   | 9070T100D5  | <b>96020323</b> | 600             | 120               | I            |
| 100           | 100   | 9070T100D24 | <b>97118049</b> | 120             | 120               | I            |
| 100           | 100   | 9070T100D55 | <b>25020777</b> | 120 x 240       | 120/240           | I            |
| 100           | 100   | 9070T100D3  | <b>96020316</b> | 208             | 120               | I            |
| 100           | 100   | 9070T100D4  | <b>96020322</b> | 277             | 120               | I            |
| 100           | 100   | 9070T100D24 | <b>97118049</b> | 240 x 480       | 24                | I            |
| 100           | 100   | 9070T100D13 | <b>96020302</b> | 120             | 12/24             | I            |
| 100           | 100   | 9070T100D23 | <b>96020312</b> | 120/240         | 24                | I            |
| 100           | 100   | 9070T100D14 | <b>96020304</b> | 208             | 24                | I            |

Continued ➤

### Industrial Control Transformers

#### Type T Class 9070

Square D®

| UL/CSA/NOM VA | CE VA | Mfg. No.    | Advanced ID              | Primary Voltage | Secondary Voltage | Dimensions * |
|---------------|-------|-------------|--------------------------|-----------------|-------------------|--------------|
| <b>T100</b>   |       |             |                          |                 |                   |              |
| 100           | 100   | 9070T100D15 | <a href="#">96020305</a> | 240 x 480       | 24/120            |              |
| 100           | 100   | 9070T100D12 | <a href="#">96020301</a> | 480             | 240               |              |
| <b>T150</b>   |       |             |                          |                 |                   |              |
| 150           | 150   | 9070T150D1  | <a href="#">96020337</a> | 240 x 480       | 120               |              |
| 150           | 150   | 9070T150D31 | <a href="#">96020349</a> | 240 x 480       | 120/240           |              |
| 150           | 150   | 9070T150D5  | <a href="#">96020353</a> | 600             | 120               |              |
| 150           | 150   | 9070T150D24 | <a href="#">96096519</a> | 120             | 120               |              |
| 150           | 150   | 9070T150D3  | <a href="#">96020348</a> | 208             | 120               |              |
| 150           | 150   | 9070T150D4  | <a href="#">96020352</a> | 277             | 120               |              |
| 150           | 150   | 9070T150D24 | <a href="#">96096519</a> | 240 x 480       | 24                |              |
| 150           | 150   | 9070T150D13 | <a href="#">96020340</a> | 120             | 12/24             |              |
| 150           | 150   | 9070T150D23 | <a href="#">96020347</a> | 120/240         | 24                |              |
| 150           | 150   | 9070T150D14 | <a href="#">96020341</a> | 208             | 24                |              |
| 150           | 150   | 9070T150D25 | <a href="#">22126895</a> | 277             | 24                |              |
| 150           | 150   | 9070T150D15 | <a href="#">96020342</a> | 240 x 480       | 24/120            |              |
| 150           | 150   | 9070T150D12 | <a href="#">96020339</a> | 480             | 240               |              |
| <b>T200</b>   |       |             |                          |                 |                   |              |
| 200           | 200   | 9070T200D1  | <a href="#">96020354</a> | 240 x 480       | 120               |              |
| 200           | 200   | 9070T200D5  | <a href="#">96020407</a> | 600             | 120               |              |
| 200           | 200   | 9070T200D24 | <a href="#">99837835</a> | 120             | 120               |              |
| 200           | 200   | 9070T200D55 | <a href="#">25045251</a> | 120 x 240       | 120/240           |              |
| 200           | 200   | 9070T200D3  | <a href="#">96020404</a> | 208             | 120               |              |
| 200           | 200   | 9070T200D4  | <a href="#">96020406</a> | 277             | 120               |              |
| 200           | 200   | 9070T200D24 | <a href="#">99837835</a> | 240 x 480       | 24                |              |
| 200           | 200   | 9070T200D13 | <a href="#">96020356</a> | 120             | 12/24             |              |
| 200           | 200   | 9070T200D23 | <a href="#">96020403</a> | 120/240         | 24                |              |
| 200           | 200   | 9070T200D14 | <a href="#">96020357</a> | 208             | 24                |              |
| 200           | 200   | 9070T200D36 | <a href="#">22086324</a> | 600             | 12/24             |              |
| 200           | 200   | 9070T200D15 | <a href="#">96020358</a> | 240 x 480       | 24/120            |              |
| 200           | 200   | 9070T200D12 | <a href="#">96020355</a> | 480             | 240               |              |
| <b>T250</b>   |       |             |                          |                 |                   |              |
| 250           | 160   | 9070T250D1  | <a href="#">96020408</a> | 240 x 480       | 120               |              |
| 250           | 160   | 9070T250D31 | <a href="#">96020421</a> | 240 x 480       | 120/240           |              |
| 250           | 160   | 9070T250D5  | <a href="#">96020425</a> | 600             | 120               |              |
| 250           | 160   | 9070T250D37 | <a href="#">22070976</a> | 600             | 120/240           |              |
| 250           | 160   | 9070T250D3  | <a href="#">96020420</a> | 208             | 120               |              |
| 250           | 160   | 9070T250D4  | <a href="#">96020424</a> | 277             | 120               |              |
| 250           | 160   | 9070T250D13 | <a href="#">96020410</a> | 120             | 12/24             |              |
| 250           | 160   | 9070T250D23 | <a href="#">96020419</a> | 120/240         | 24                |              |
| 250           | 160   | 9070T250D14 | <a href="#">96020411</a> | 208             | 24                |              |
| 250           | 160   | 9070T250D15 | <a href="#">96020412</a> | 240 x 480       | 24/120            |              |
| 250           | 160   | 9070T250D12 | <a href="#">96020409</a> | 480             | 240               |              |
| <b>T300</b>   |       |             |                          |                 |                   |              |
| 300           | 200   | 9070T300D1  | <a href="#">96020426</a> | 240 x 480       | 120               |              |
| 300           | 200   | 9070T300D5  | <a href="#">96020439</a> | 600             | 120               |              |
| 300           | 200   | 9070T300D3  | <a href="#">96020436</a> | 208             | 120               |              |
| 300           | 200   | 9070T300D4  | <a href="#">96020438</a> | 277             | 120               |              |
| 300           | 200   | 9070T300D13 | <a href="#">96020428</a> | 120             | 12/24             |              |
| 300           | 200   | 9070T300D23 | <a href="#">96020435</a> | 120/240         | 24                |              |
| 300           | 200   | 9070T300D14 | <a href="#">96020429</a> | 208             | 24                |              |
| 300           | 200   | 9070T300D25 | <a href="#">22121364</a> | 277             | 24                |              |
| 300           | 200   | 9070T300D12 | <a href="#">96020427</a> | 480             | 240               |              |

Continued ►



## Industrial Control Transformers

## Type T

## Class 9070

Square D®

| UL/CSA/NOM VA | CE VA | Mfg. No.     | Advanced ID              | Primary Voltage | Secondary Voltage | Dimensions * |
|---------------|-------|--------------|--------------------------|-----------------|-------------------|--------------|
| <b>T350</b>   |       |              |                          |                 |                   |              |
| 350           | 250   | 9070T350D1   | <a href="#">96020440</a> | 240 x 480       | 120               |              |
| 350           | 250   | 9070T350D31  | <a href="#">96020450</a> | 240 x 480       | 120/240           |              |
| 350           | 250   | 9070T350D5   | <a href="#">96020454</a> | 600             | 120               |              |
| 350           | 250   | 9070T350D24  | <a href="#">22039393</a> | 120             | 120               |              |
| 350           | 250   | 9070T350D3   | <a href="#">96020449</a> | 208             | 120               |              |
| 350           | 250   | 9070T350D4   | <a href="#">96020453</a> | 277             | 120               |              |
| 350           | 250   | 9070T350D24  | <a href="#">22039393</a> | 240 x 480       | 24                |              |
| 350           | 250   | 9070T350D13  | <a href="#">96020442</a> | 120             | 12/24             |              |
| 350           | 250   | 9070T350D23  | <a href="#">96020448</a> | 120/240         | 24                |              |
| 350           | 250   | 9070T350D54  | <a href="#">25023805</a> | 120/240         | 12/24             |              |
| 350           | 250   | 9070T350D14  | <a href="#">96020443</a> | 208             | 24                |              |
| 350           | 250   | 9070T350D15  | <a href="#">96020444</a> | 240 x 480       | 24/120            |              |
| 350           | 250   | 9070T350D12  | <a href="#">96020441</a> | 480             | 240               |              |
| <b>T500</b>   |       |              |                          |                 |                   |              |
| 500           | 300   | 9070T500D1   | <a href="#">96020646</a> | 240 x 480       | 120               |              |
| 500           | 300   | 9070T500D31  | <a href="#">96020665</a> | 240 x 480       | 120/240           |              |
| 500           | 300   | 9070T500D5   | <a href="#">96020672</a> | 600             | 120               |              |
| 500           | 300   | 9070T500D37  | <a href="#">25045861</a> | 600             | 120/240           |              |
| 500           | 300   | 9070T500D24  | <a href="#">96096520</a> | 120             | 120               |              |
| 500           | 300   | 9070T500D3   | <a href="#">96020663</a> | 208             | 120               |              |
| 500           | 300   | 9070T500D4   | <a href="#">96020670</a> | 277             | 120               |              |
| 500           | 300   | 9070T500D51  | <a href="#">25000184</a> | 208/277         | 120               |              |
| 500           | 300   | 9070T500D24  | <a href="#">96096520</a> | 240 x 480       | 24                |              |
| 500           | 300   | 9070T500D13  | <a href="#">96020649</a> | 120             | 12/24             |              |
| 500           | 300   | 9070T500D23  | <a href="#">96020661</a> | 120/240         | 24                |              |
| 500           | 300   | 9070T500D14  | <a href="#">96020651</a> | 208             | 24                |              |
| 500           | 300   | 9070T500D15  | <a href="#">96020652</a> | 240 x 480       | 24/120            |              |
| 500           | 300   | 9070T500D12  | <a href="#">96020648</a> | 480             | 240               |              |
| 500           | 300   | 9070T500D22  | <a href="#">22050323</a> | 480             | 277               |              |
| <b>T750</b>   |       |              |                          |                 |                   |              |
| 750           | 500   | 9070T750D1   | <a href="#">96020686</a> | 240 x 480       | 120               |              |
| 750           | 500   | 9070T750D31  | <a href="#">96020700</a> | 240 x 480       | 120/240           |              |
| 750           | 500   | 9070T750D5   | <a href="#">96020704</a> | 600             | 120               |              |
| 750           | 500   | 9070T750D37  | <a href="#">22070977</a> | 600             | 120/240           |              |
| 750           | 500   | 9070T750D24  | <a href="#">22017462</a> | 120             | 120               |              |
| 750           | 500   | 9070T750D3   | <a href="#">96020698</a> | 208             | 120               |              |
| 750           | 500   | 9070T750D4   | <a href="#">97191080</a> | 277             | 120               |              |
| 750           | 500   | 9070T750D51  | <a href="#">25000178</a> | 208/277         | 120               |              |
| 750           | 500   | 9070T750D24  | <a href="#">22017462</a> | 240 x 480       | 24                |              |
| 750           | 500   | 9070T750D13  | <a href="#">96020688</a> | 120             | 12/24             |              |
| 750           | 500   | 9070T750D23  | <a href="#">96020697</a> | 120/240         | 24                |              |
| 750           | 500   | 9070T750D14  | <a href="#">96020689</a> | 208             | 24                |              |
| 750           | 500   | 9070T750D15  | <a href="#">96020690</a> | 240 x 480       | 24/120            |              |
| 750           | 500   | 9070T750D12  | <a href="#">96020687</a> | 480             | 240               |              |
| 750           | 500   | 9070T750D22  | <a href="#">97118154</a> | 480             | 277               |              |
| <b>T1000</b>  |       |              |                          |                 |                   |              |
| 1000          | 630   | 9070T1000D1  | <a href="#">96020324</a> | 240 x 480       | 120               |              |
| 1000          | 630   | 9070T1000D31 | <a href="#">96020333</a> | 240 x 480       | 120/240           |              |
| 1000          | 630   | 9070T1000D5  | <a href="#">96020336</a> | 600             | 120               |              |
| 1000          | 630   | 9070T1000D3  | <a href="#">96020332</a> | 208             | 120               |              |
| 1000          | 630   | 9070T1000D4  | <a href="#">96020335</a> | 277             | 120               |              |
| 1000          | 630   | 9070T1000D59 | <a href="#">25047537</a> | 240 x 480       | 12/24             |              |
| 1000          | 630   | 9070T1000D13 | <a href="#">96020326</a> | 120             | 12/24             |              |

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### Industrial Control Transformers

#### Type T

#### Class 9070

Square D®

| UL/CSA/NOM VA | CE VA | Mfg. No.     | Advanced ID              | Primary Voltage | Secondary Voltage | Dimensions * |
|---------------|-------|--------------|--------------------------|-----------------|-------------------|--------------|
| <b>T1000</b>  |       |              |                          |                 |                   |              |
| 1000          | 630   | 9070T1000D23 | <a href="#">96020331</a> | 120/240         | 24                |              |
| 1000          | 630   | 9070T1000D54 | <a href="#">22048577</a> | 120/240         | 12/24             |              |
| 1000          | 630   | 9070T1000D14 | <a href="#">96020327</a> | 208             | 24                |              |
| 1000          | 630   | 9070T1000D15 | <a href="#">96020329</a> | 240 x 480       | 24/120            |              |
| 1000          | 630   | 9070T1000D12 | <a href="#">96020325</a> | 480             | 240               |              |
| <b>T1500</b>  |       |              |                          |                 |                   |              |
| 1500          | 1000  | 9070T1500D1  | <a href="#">96097776</a> | 240 x 480       | 120               |              |
| 1500          | 1000  | 9070T1500D31 | <a href="#">99496793</a> | 240 x 480       | 120/240           |              |
| 1500          | 1000  | 9070T1500D5  | <a href="#">98289533</a> | 600             | 120               |              |
| 1500          | 1000  | 9070T1500D37 | <a href="#">25030088</a> | 600             | 120/240           |              |
| 1500          | 1000  | 9070T1500D3  | <a href="#">97118053</a> | 208             | 120               |              |
| 1500          | 1000  | 9070T1500D4  | <a href="#">97118176</a> | 277             | 120               |              |
| 1500          | 1000  | 9070T1500D12 | <a href="#">97118050</a> | 480             | 240               |              |
| <b>T2000</b>  |       |              |                          |                 |                   |              |
| 2000          | 1500  | 9070T2000D1  | <a href="#">96097774</a> | 240 x 480       | 120               |              |
| 2000          | 1500  | 9070T2000D31 | <a href="#">97118062</a> | 240 x 480       | 120/240           |              |
| 2000          | 1500  | 9070T2000D5  | <a href="#">22082511</a> | 600             | 120               |              |
| 2000          | 1500  | 9070T2000D37 | <a href="#">22057247</a> | 600             | 120/240           |              |
| 2000          | 1500  | 9070T2000D24 | <a href="#">98366150</a> | 120             | 120               |              |
| 2000          | 1500  | 9070T2000D55 | <a href="#">99701800</a> | 120 x 240       | 120/240           |              |
| 2000          | 1500  | 9070T2000D3  | <a href="#">97118061</a> | 208             | 120               |              |
| 2000          | 1500  | 9070T2000D4  | <a href="#">97118064</a> | 277             | 120               |              |
| 2000          | 1500  | 9070T2000D12 | <a href="#">97118059</a> | 480             | 240               |              |
| <b>T3000</b>  |       |              |                          |                 |                   |              |
| 3000          | 2000  | 9070T3000D1  | <a href="#">96097777</a> | 240 x 480       | 120               |              |
| 3000          | 2000  | 9070T3000D31 | <a href="#">22016741</a> | 240 x 480       | 120/240           |              |
| 3000          | 2000  | 9070T3000D5  | <a href="#">22082510</a> | 600             | 120               |              |
| 3000          | 2000  | 9070T3000D24 | <a href="#">99526730</a> | 120             | 120               |              |
| 3000          | 2000  | 9070T3000D3  | <a href="#">98305818</a> | 208             | 120               |              |
| 3000          | 2000  | 9070T3000D4  | <a href="#">97118068</a> | 277             | 120               |              |
| 3000          | 2000  | 9070T3000D15 | <a href="#">97118178</a> | 240 x 480       | 24/120            |              |
| 3000          | 2000  | 9070T3000D12 | <a href="#">97118067</a> | 480             | 240               |              |
| <b>T5000</b>  |       |              |                          |                 |                   |              |
| 5000          | 3000  | 9070T5000D1  | <a href="#">97104205</a> | 240 x 480       | 120               |              |
| 5000          | 3000  | 9070T5000D31 | <a href="#">25034413</a> | 240 x 480       | 120/240           |              |
| 5000          | 3000  | 9070T5000D12 | <a href="#">97118070</a> | 480             | 240               |              |

\*Value listed is the 'Type Dimension Key' to be used in the Industrial Controls Transformer Dimensions Table on page 12-34.

## Industrial Control Transformers

### Type T MultiTap™

#### Class 9070

Square D®

As part of the Type T designs are MultiTap units having a variety of primary voltages on just one transformer. The Universal Control Transformer will provide 120 V, or near 120, power from all common primary voltages: 208 to 600 V, and is listed as voltage code D50.

#### Features

- 50/60 Hz Rated
- Customer Installed Accessories Available

| UL/CSA/NOM VA | CE VA | Mfg. No.    | Advanced ID              | Primary Voltage     | Secondary Voltage | Dimensions * |
|---------------|-------|-------------|--------------------------|---------------------|-------------------|--------------|
| <b>T50</b>    |       |             |                          |                     |                   |              |
| 50            | 50    | 9070T50D18  | <a href="#">96020628</a> | 208/277/380         | 95/115            | II           |
| 50            | 50    | 9070T50D20  | <a href="#">96020634</a> | 208/230/460         | 115               | II           |
| 50            | 50    | 9070T50D32  | <a href="#">96020641</a> | 230/460/575         | 95/115            | II           |
| 50            | 50    | 9070T50D33  | <a href="#">96020642</a> | 380/400/415         | 115/230           | II           |
| 50            | 50    | 9070T50D50  | <a href="#">22047109</a> | 240/416/480/600     | 99/120/130        | IV           |
| 50            | 50    | 9070T50D19  | <a href="#">96020631</a> | 208/240/277/380/480 | 24                | III          |
| <b>T75</b>    |       |             |                          |                     |                   |              |
| 75            | 75    | 9070T75D18  | <a href="#">96020678</a> | 208/277/380         | 95/115            | II           |
| 75            | 75    | 9070T75D20  | <a href="#">96020683</a> | 208/230/460         | 115               | II           |
| 75            | 75    | 9070T75D32  | <a href="#">96020685</a> | 230/460/575         | 95/115            | II           |
| 75            | 75    | 9070T75D19  | <a href="#">96020681</a> | 208/240/277/380/480 | 24                | III          |
| <b>T100</b>   |       |             |                          |                     |                   |              |
| 100           | 100   | 9070T100D18 | <a href="#">96020307</a> | 208/277/380         | 95/115            | II           |
| 100           | 100   | 9070T100D20 | <a href="#">96020310</a> | 208/230/460         | 115               | II           |
| 100           | 100   | 9070T100D95 | <a href="#">22039022</a> | 208/240/480         | 120               | II           |
| 100           | 100   | 9070T100D32 | <a href="#">96020320</a> | 230/460/575         | 95/115            | II           |
| 100           | 100   | 9070T100D33 | <a href="#">96020321</a> | 380/400/415         | 115/230           | II           |
| 100           | 100   | 9070T100D50 | <a href="#">22114947</a> | 240/416/480/600     | 99/120/130        | IV           |
| 100           | 100   | 9070T100D19 | <a href="#">96020308</a> | 208/240/277/380/480 | 24                | III          |
| <b>T150</b>   |       |             |                          |                     |                   |              |
| 150           | 150   | 9070T150D18 | <a href="#">96020343</a> | 208/277/380         | 95/115            | II           |
| 150           | 150   | 9070T150D20 | <a href="#">96020346</a> | 208/230/460         | 115               | II           |
| 150           | 150   | 9070T150D32 | <a href="#">96020350</a> | 230/460/575         | 95/115            | II           |
| 150           | 150   | 9070T150D33 | <a href="#">96020351</a> | 380/400/415         | 115/230           | II           |
| 150           | 150   | 9070T150D50 | <a href="#">22114678</a> | 240/416/480/600     | 99/120/130        | IV           |
| 150           | 150   | 9070T150D19 | <a href="#">96020344</a> | 208/240/277/380/480 | 24                | III          |
| <b>T200</b>   |       |             |                          |                     |                   |              |
| 200           | 200   | 9070T200D18 | <a href="#">96020359</a> | 208/277/380         | 95/115            | II           |
| 200           | 200   | 9070T200D20 | <a href="#">96020362</a> | 208/230/460         | 115               | II           |
| 200           | 200   | 9070T200D32 | <a href="#">96020405</a> | 230/460/575         | 95/115            | II           |
| 200           | 200   | 9070T200D33 | <a href="#">99945427</a> | 380/400/415         | 115/230           | II           |
| 200           | 200   | 9070T200D19 | <a href="#">96020360</a> | 208/240/277/380/480 | 24                | III          |
| <b>T250</b>   |       |             |                          |                     |                   |              |
| 250           | 160   | 9070T250D18 | <a href="#">96020413</a> | 208/277/380         | 95/115            | II           |
| 250           | 160   | 9070T250D20 | <a href="#">96020416</a> | 208/230/460         | 115               | II           |
| 250           | 160   | 9070T250D32 | <a href="#">96020422</a> | 230/460/575         | 95/115            | II           |
| 250           | 160   | 9070T250D33 | <a href="#">96020423</a> | 380/400/415         | 115/230           | II           |
| 250           | 160   | 9070T250D50 | <a href="#">22082512</a> | 240/416/480/600     | 99/120/130        | IV           |
| 250           | 160   | 9070T250D19 | <a href="#">96020414</a> | 208/240/277/380/480 | 24                | III          |
| 250           | 160   | 9070T250D52 | <a href="#">22016378</a> | 380/400/415         | 12/24             | I            |
| <b>T300</b>   |       |             |                          |                     |                   |              |
| 300           | 200   | 9070T300D18 | <a href="#">96020431</a> | 208/277/380         | 95/115            | II           |
| 300           | 200   | 9070T300D20 | <a href="#">96020434</a> | 208/230/460         | 115               | II           |
| 300           | 200   | 9070T300D32 | <a href="#">96020437</a> | 230/460/575         | 95/115            | II           |
| 300           | 200   | 9070T300D33 | <a href="#">25043646</a> | 380/400/415         | 115/230           | II           |

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### Industrial Control Transformers

#### Type T MultiTap™

#### Class 9070

Square D®

| UL/CSA/NOM VA | CE VA | Mfg. No.     | Advanced ID              | Primary Voltage     | Secondary Voltage | Dimensions * |
|---------------|-------|--------------|--------------------------|---------------------|-------------------|--------------|
| <b>T300</b>   |       |              |                          |                     |                   |              |
| 300           | 200   | 9070T300D19  | <a href="#">96020432</a> | 208/240/277/380/480 | 24                | III          |
| <b>T350</b>   |       |              |                          |                     |                   |              |
| 350           | 250   | 9070T350D18  | <a href="#">96020445</a> | 208/277/380         | 95/115            | II           |
| 350           | 250   | 9070T350D20  | <a href="#">96020447</a> | 208/230/460         | 115               | II           |
| 350           | 250   | 9070T350D32  | <a href="#">96020451</a> | 230/460/575         | 95/115            | II           |
| 350           | 250   | 9070T350D33  | <a href="#">96020452</a> | 380/400/415         | 115/230           | II           |
| 350           | 250   | 9070T350D50  | <a href="#">99970114</a> | 240/416/480/600     | 99/120/130        | IV           |
| 350           | 250   | 9070T350D19  | <a href="#">96020466</a> | 208/240/277/380/480 | 24                | III          |
| <b>T500</b>   |       |              |                          |                     |                   |              |
| 500           | 300   | 9070T500D18  | <a href="#">96020654</a> | 208/277/380         | 95/115            | II           |
| 500           | 300   | 9070T500D20  | <a href="#">96020659</a> | 208/230/460         | 115               | II           |
| 500           | 300   | 9070T500D32  | <a href="#">96020667</a> | 230/460/575         | 95/115            | II           |
| 500           | 300   | 9070T500D33  | <a href="#">96020668</a> | 380/400/415         | 115/230           | II           |
| 500           | 300   | 9070T500D50  | <a href="#">99522847</a> | 240/416/480/600     | 99/120/130        | IV           |
| 500           | 300   | 9070T500D19  | <a href="#">96020656</a> | 208/240/277/380/480 | 24                | III          |
| 500           | 300   | 9070T500D52  | <a href="#">25046556</a> | 380/400/415         | 12/24             | I            |
| <b>T750</b>   |       |              |                          |                     |                   |              |
| 750           | 500   | 9070T750D18  | <a href="#">96020692</a> | 208/277/380         | 95/115            | II           |
| 750           | 500   | 9070T750D20  | <a href="#">96020696</a> | 208/230/460         | 115               | II           |
| 750           | 500   | 9070T750D32  | <a href="#">96020701</a> | 230/460/575         | 95/115            | II           |
| 750           | 500   | 9070T750D33  | <a href="#">96020703</a> | 380/400/415         | 115/230           | II           |
| 750           | 500   | 9070T750D50  | <a href="#">99847016</a> | 240/416/480/600     | 99/120/130        | IV           |
| 750           | 500   | 9070T750D19  | <a href="#">96020693</a> | 208/240/277/380/480 | 24                | III          |
| <b>T1000</b>  |       |              |                          |                     |                   |              |
| 1000          | 630   | 9070T1000D18 | <a href="#">97118043</a> | 208/277/380         | 95/115            | II           |
| 1000          | 630   | 9070T1000D20 | <a href="#">97118044</a> | 208/230/460         | 115               | II           |
| 1000          | 630   | 9070T1000D32 | <a href="#">97118047</a> | 230/460/575         | 95/115            | II           |
| 1000          | 630   | 9070T1000D33 | <a href="#">96020334</a> | 380/400/415         | 115/230           | II           |
| 1000          | 630   | 9070T1000D50 | <a href="#">99509773</a> | 240/416/480/600     | 99/120/130        | IV           |
| 1000          | 630   | 9070T1000D19 | <a href="#">97104199</a> | 208/240/277/380/480 | 24                | III          |

\*Value listed is the 'Type Dimension Key' to be used in the Industrial Controls Transformer Dimensions Table on page 12-34.

## Plug-In Relay Class 8501 - Type K

Square D®



Type KF



Type KL



Type KP



Type KU

8501 Type K relays are designed for multipole switching applications at 240 V or lower. These relays have industry standard wiring and pin arrangements which allows for their use as replacements for many similar relays without wiring or hardware modifications.

### Features

- 10 or 15A Versions
- DPDT or 3PDT
- Manual Operator/Red Pilot Light Options
- HP Rated
- DPDT Latching Relay
- AC or DC Operation

### Product Selection Steps:

1. Select Mfg. No. from table below.
2. Select voltage code from Page 12-43 and append to the end of the Mfg. No.

| Input Voltage                                      | Contact Configuration | Features                          | Mfg. No.       |
|--|-----------------------|-----------------------------------|----------------|
| <b>Type KF* - Flange Mounted - Spade Terminals</b> |                       |                                   |                |
| AC 50/60 Hz  | DPDT                  | None                              | 8501KF12       |
| AC 50/60 Hz  | 3PDT                  | None                              | 8501KF13       |
| DC   | DPDT                  | None                              | 8501KFD12      |
| DC   | 3PDT                  | None                              | 8501KFD13      |
| <b>Type KL - Latching Relay - Spade Terminals</b>  |                       |                                   |                |
| AC 50/60 Hz  | DPDT                  | None                              | 8501KL12       |
| DC   | DPDT                  | None                              | 8501KLD12      |
| <b>Type KP - Tubular Terminals</b>                 |                       |                                   |                |
| AC 50/60 Hz  | DPDT                  | None                              | 8501KP12       |
| AC 50/60 Hz  | DPDT                  | Pilot Light†                      | 8501KP12P14    |
| AC 50/60 Hz  | 3PDT                  | None                              | 8501KP13       |
| AC 50/60 Hz  | 3PDT                  | Pilot Light†                      | 8501KP13P14    |
| DC   | DPDT                  | None                              | 8501KPD12      |
| DC   | DPDT                  | Pilot Light†                      | 8501KPD12P14   |
| DC   | 3PDT                  | None                              | 8501KPD13      |
| DC   | 3PDT                  | Pilot Light†                      | 8501KPD13P14   |
| <b>Type KU - Spade Terminals</b>                   |                       |                                   |                |
| AC 50/60 Hz  | DPDT                  | None                              | 8501KU12       |
| AC 50/60 Hz  | DPDT                  | Manual Operator‡                  | 8501KU12M1     |
| AC 50/60 Hz  | DPDT                  | Pilot Light†                      | 8501KU12P14    |
| AC 50/60 Hz  | DPDT                  | Manual Operator‡ and Pilot Light† | 8501KU12M1P14  |
| AC 50/60 Hz  | 3PDT                  | None                              | 8501KU13       |
| AC 50/60 Hz  | 3PDT                  | Manual Operator‡                  | 8501KU13M1     |
| AC 50/60 Hz  | 3PDT                  | Pilot Light†                      | 8501KU13P14    |
| AC 50/60 Hz  | 3PDT                  | Manual Operator‡ and Pilot Light† | 8501KU13M1P14  |
| DC   | DPDT                  | None                              | 8501KUD12      |
| DC   | DPDT                  | Manual Operator‡                  | 8501KUD12M1    |
| DC   | DPDT                  | Pilot Light†                      | 8501KUD12P14   |
| DC   | DPDT                  | Manual Operator‡ and Pilot Light† | 8501KUD12M1P14 |
| DC   | 3PDT                  | None                              | 8501KUD13      |
| DC   | 3PDT                  | Manual Operator‡                  | 8501KUD13M1    |
| <b>Type KU - Spade Terminals</b>                   |                       |                                   |                |
| DC   | 3PDT                  | Pilot Light†                      | 8501KUD13P14   |
| DC   | 3PDT                  | Manual Operator‡ and Pilot Light† | 8501KUD13M1P14 |

\*Socket is not required with Type KF relays.

†Available on Types KP and KU. Internal pilot lights are available in both AC and DC versions for positive indication of power to the coil. Pilot light is red bi-directional LED.

‡Available on Type KU only. To speed circuit testing, a manual operator can be provided, allowing simulation of normal operation.

### Miniature Plug-In Relay

#### Class 8501 - Type R

Square D®



Plug in Socket



SPDT Silver Cadmium Oxide Contacts



DPDT Silver Cadmium Oxide Contacts



3PDT Silver Cadmium Oxide Contacts



4PDT Silver Cadmium Oxide Contacts

These miniature plug-in relays have a 10 A resistive rating, the same as the Type K plug-in relays, but are much smaller. The compact size of these relays makes them ideal for downsizing equipment.

#### Features

- SPDT Through 4PDT
- AC or DC Operated
- HP Rated
- Complete Line of Sockets
- Manual Operator/Bi-direction Green LED Pilot Light Options

#### Product Selection Steps:

1. Select Mfg. No. from table below.
2. Select voltage code from Page 12-43 and append to the end of the Mfg. No.

| Input Voltage                             | Contact Configuration | Features                        | Mfg. No.       |
|---|-----------------------|---------------------------------|----------------|
| <b>SPDT Silver Cadmium Oxide Contacts</b> |                       |                                 |                |
| AC 50/60 Hz                               | SPDT                  | None                            | 8501RS41*      |
| AC 50/60 Hz                               | SPDT                  | Manual Operator                 | 8501RS41M1     |
| AC 50/60 Hz                               | SPDT                  | Pilot Light                     | 8501RS41P14    |
| AC 50/60 Hz                               | SPDT                  | Manual Operator and Pilot Light | 8501RS41M1P14  |
| DC  | SPDT                  | None                            | 8501RSD41*     |
| DC  | SPDT                  | Manual Operator                 | 8501RSD41M1    |
| DC  | SPDT                  | Pilot Light                     | 8501RSD41P14   |
| DC  | SPDT                  | Manual Operator and Pilot Light | 8501RSD41M1P14 |
| <b>DPDT Silver Cadmium Oxide Contacts</b> |                       |                                 |                |
| AC 50/60 Hz                               | DPDT                  | None                            | 8501RS42       |
| AC 50/60 Hz                               | DPDT                  | Manual Operator                 | 8501RS42M1     |
| AC 50/60 Hz                               | DPDT                  | Pilot Light                     | 8501RS42P14    |
| AC 50/60 Hz                               | DPDT                  | Manual Operator and Pilot Light | 8501RS42M1P14  |
| DC  | DPDT                  | None                            | 8501RSD42      |
| DC  | DPDT                  | Manual Operator                 | 8501RSD42M1    |
| DC  | DPDT                  | Pilot Light                     | 8501RSD42P14   |
| DC  | DPDT                  | Manual Operator and Pilot Light | 8501RSD42M1P14 |
| <b>3PDT Silver Cadmium Oxide Contacts</b> |                       |                                 |                |
| AC 50/60 Hz                               | 3PDT                  | None                            | 8501RS43       |
| AC 50/60 Hz                               | 3PDT                  | Manual Operator                 | 8501RS43M1     |
| AC 50/60 Hz                               | 3PDT                  | Pilot Light                     | 8501RS43P14    |
| AC 50/60 Hz                               | 3PDT                  | Manual Operator and Pilot Light | 8501RS43M1P14  |
| DC  | 3PDT                  | None                            | 8501RSD43      |
| DC  | 3PDT                  | Manual Operator                 | 8501RSD43M1    |
| DC  | 3PDT                  | Pilot Light                     | 8501RSD43P14   |
| DC  | 3PDT                  | Manual Operator and Pilot Light | 8501RSD43M1P14 |
| <b>4PDT Silver Cadmium Oxide Contacts</b> |                       |                                 |                |
| AC 50/60 Hz                               | 4PDT                  | None                            | 8501RS44       |
| AC 50/60 Hz                               | 4PDT                  | Manual Operator                 | 8501RS44M1     |
| AC 50/60 Hz                               | 4PDT                  | Pilot Light                     | 8501RS44P14    |
| AC 50/60 Hz                               | 4PDT                  | Manual Operator and Pilot Light | 8501RS44M1P14  |
| DC  | 4PDT                  | None                            | 8501RSD44      |
| DC  | 4PDT                  | Manual Operator                 | 8501RSD44M1    |
| DC  | 4PDT                  | Pilot Light                     | 8501RSD44P14   |
| DC  | 4PDT                  | Manual Operator and Pilot Light | 8501RSD44M1P14 |

\*Have a B300 rating.



## Additional Miniature Plug-In Relays

### Class 8501 - Type R

Square D®



8501RS14



8501RSD14M1P14

8501 Type R relays are suited for use as logic elements and power switching output devices. The short stroke motion of the armature provides long mechanical life required for high speed operation of control systems. Different contact compositions allow for a variety of applications. Fine silver (gold flashed) and bifurcated crossbar (gold overlay silver) are suitable for high contact reliability and low level switching requirements. Silver cadmium oxide is best suited for inductive loads. Hermetically-sealed relays can be used in adverse environments.

#### Features

- 1, 3, or 5A Versions
- 4PDT
- Complete Socket Line
- Hp Rated
- AC or DC Operation
- Manual Operator/Pilot Light Options

#### Product Selection Step:

1. Select Mfg. No. from table below.
2. Select voltage code from below and append to the end of the part number.

| Input Voltage   | Contact Configuration | Features                          | Mfg. No.       |
|---|-----------------------|-----------------------------------|----------------|
| <b>5A - For switching inductive loads - Contacts: Silver Cadmium Oxide</b>  |                       |                                   |                |
| AC 50/60 Hz   | 4PDT                  | None                              | 8501RS14       |
| AC 50/60 Hz   | 4PDT                  | Manual Operator‡                  | 8501RS14M1     |
| AC 50/60 Hz   | 4PDT                  | Pilot Light†                      | 8501RS14P14    |
| AC 50/60 Hz   | 4PDT                  | Manual Operator and Pilot Light†‡ | 8501RS14M1P14  |
| DC  | 4PDT                  | None                              | 8501RSD14      |
| DC  | 4PDT                  | Manual Operator‡                  | 8501RSD14M1    |
| DC  | 4PDT                  | Pilot Light†                      | 8501RSD14P14   |
| DC  | 4PDT                  | Manual Operator and Pilot Light†‡ | 8501RSD14M1P14 |
| <b>3A - For low level switching - Contacts: Fine Silver (Gold Finished)</b>   |                       |                                   |                |
| AC 50/60 Hz   | 4PDT                  | None                              | 8501RS4        |
| AC 50/60 Hz   | 4PDT                  | Manual Operator‡                  | 8501RS4M1      |
| AC 50/60 Hz   | 4PDT                  | Pilot Light†                      | 8501RS4P14     |
| AC 50/60 Hz   | 4PDT                  | Manual Operator and Pilot Light†‡ | 8501RS4M1P14   |
| DC  | 4PDT                  | None                              | 8501RSD4       |
| DC  | 4PDT                  | Manual Operator‡                  | 8501RSD4M1     |
| DC  | 4PDT                  | Pilot Light†                      | 8501RSD4P14A   |
| DC  | 4PDT                  | Manual Operator and Pilot Light†‡ | 8501RSD4M1P14  |
| <b>1A - Best for low level switching - Bifurcated Silver Gold Plated Contacts</b>   |                       |                                   |                |
| AC 50/60 Hz   | 4PDT                  | None                              | 8501RS24       |
| DC  | 4PDT                  | None                              | 8501RSD24      |
| <b>Hermetically Sealed - 5 Ampere Resistive* - Silver Cadmium Oxide Contacts. Suitable for Class I Division 2 Locations</b> |                       |                                   |                |
| AC 50/60 Hz   | 4PDT                  | None                              | 8501RS34       |
| DC  | 4PDT                  | None                              | 8501RSD34      |

\*Do not ground frame.

†Pilot Light Option - An internal green pilot light is available in both AC and DC versions for positive indication of power to the coil. The pilot lights are bidirectional LEDs.

‡Manual Operation Option - To speed circuit testing, a manual operator can be provided. The relay can be manually switched to simulate normal operation.

#### VOLTAGE CODES - AC Voltage 50/60 Hz

- 6V - Code = V35
- 12V - Code = V36
- 24V - Code = V14
- 120V - Code = V20
- 240V - Code = V24

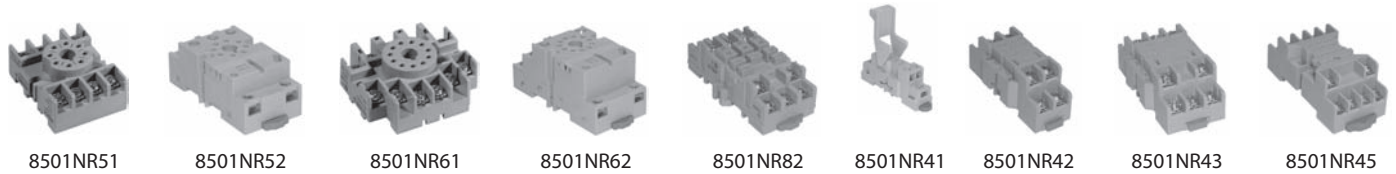
#### VOLTAGE CODES - DC Voltage

- 6V - Code = V50
- 12V - Code = V51
- 24V - Code = V53
- 48V - Code = V56
- 110V - Code = V60
- 125V - Code = V63

### Relay Sockets

#### Class 8501 - Type N

Square D®



8501 NR sockets are designed for use with plug-in 8501 K and Type R relays, 8430 MPS phase failure relays and 9050 JCK timers. The 8501 NR45 screw terminal sockets have pressure wire clamps that accept 1 or 2 #16-22 wires. All other sockets have pressure clamps that will accept 1 or 2 #12-22 wires.

The recommended tightening torque for all terminals is 7-8 lb-in.

#### Features

- DIN Track Mount or Direct Panel Mount
- Tubular Sockets Available in Easy-To-Wire Single Tier or Space-Saving Double Tier Versions

| For Use With   | Description                               | UL Socket Rating | CSA Socket Rating | Mfg. No.  | Advanced ID              |
|--|---|------------------|-------------------|-----------|--------------------------|
| <b>Snapmount Sockets</b>   |   |                  |                   |           |                          |
| Class 8501 (KP12, KPD12), Class 8430 (MPS 240V), Class 9050 (JCK11-19, JCK31-39, JCK51-59, JCK60, JCK1F, JCK3F, JCK5F) | 8-Pin Tubular Single Tier Screw Terminal  | 600V, 10A        | 300V, 10A         | 8501NR51  | <a href="#">88244866</a> |
| Class 8501 (KP12, KPD12), Class 8430 (MPS 240V), Class 9050 (JCK11-19, JCK31-39, JCK51-59, JCK60, JCK1F, JCK3F, JCK5F) | 8-Pin Tubular Single Tier Screw Terminal  | 300V, 15A        | 300V, 10A         | 8501NR51B | <a href="#">88244867</a> |
| Class 8501 (KP12, KPD12), Class 8430 (MPS 240V), Class 9050 (JCK11-19, JCK31-39, JCK51-59, JCK60, JCK1F, JCK3F, JCK5F) | 8-Pin Tubular Double Tier Screw Terminal  | 600V, 5A         | 300V, 10A         | 8501NR52  | <a href="#">88244868</a> |
| Class 8501 (KP12, KPD12), Class 8430 (MPS 240V), Class 9050 (JCK11-19, JCK31-39, JCK51-59, JCK60, JCK1F, JCK3F, JCK5F) | 8-Pin Tubular Double Tier Screw Terminal  | 300V, 16A        | 300V, 10A         | 8501NR52B | <a href="#">88318554</a> |
| Class 8501 (KP13, KPD13), Class 9050 (JCK21-29, JCK41-49, JCK70, JCK2F, JCK4F)   | 11-Pin Tubular Single Tier Screw Terminal | 600V, 5A         | 300V, 10A         | 8501NR61  | <a href="#">88244870</a> |
| Class 8501 (KP13, KPD13), Class 9050 (JCK21-29, JCK41-49, JCK70, JCK2F, JCK4F)   | 11-Pin Tubular Single Tier Screw Terminal | 300V, 15A        | 300V, 10A         | 8501NR61B | <a href="#">90014776</a> |
| Class 8501 (KP13, KPD13), Class 9050 (JCK21-29, JCK41-49, JCK70, JCK2F, JCK4F)   | 11-Pin Tubular Double Tier Screw Terminal | 600V, 5A         | 300V, 10A         | 8501NR62  | <a href="#">88244871</a> |
| Class 8501 (KP13, KPD13), Class 9050 (JCK21-29, JCK41-49, JCK70, JCK2F, JCK4F)   | 11-Pin Tubular Double Tier Screw Terminal | 300V, 16A        | 300V, 10A         | 8501NR62B | <a href="#">90044328</a> |
| Class 8501 (KL, KU), Class 8430 (MPS 480V)   | 11-Pin Spade Double Tier Screw Terminal   | 300V, 15A        | 300V, 15A*        | 8501NR82  | <a href="#">88244874</a> |
| Class 8501 (KL, KU), Class 8430 (MPS 480V)   | 11-Pin Spade Double Tier Screw Terminal   | 300V, 15A        | 300V, 15A*        | 8501NR82B | <a href="#">90014777</a> |
| Class 8501 (RS41, RSD41)   | 5-Pin Spade Double Tier Screw Terminal    | 300V, 15A        | 300V, 15A         | 8501NR41  | <a href="#">93169139</a> |
| Class 8501 (RS41, RSD41)   | 5-Pin Spade Double Tier Screw Terminal    | 300V, 15A        | 300V, 15A         | 8501NR41B | <a href="#">22099103</a> |
| Class 8501 (RS42, RSD42)   | 8-Pin Spade Double Tier Screw Terminal    | 300V, 10A        | 300V, 10A         | 8501NR42  | <a href="#">91027837</a> |
| Class 8501 (RS42, RSD42)   | 8-Pin Spade Double Tier Screw Terminal    | 300V, 10A        | 300V, 10A         | 8501NR42B | <a href="#">92113874</a> |
| Class 8501 (RS43, RSD43)   | 11-Pin Spade Double Tier Screw Terminal   | 300V, 10A        | 300V, 10A         | 8501NR43  | <a href="#">93169140</a> |
| Class 8501 (RS43, RSD43)   | 11-Pin Spade Double Tier Screw Terminal   | 300V, 10A        | 300V, 10A         | 8501NR43B | <a href="#">22099104</a> |
| Class 8501 (RS44, RSD44)   | 14-Pin Spade Double Tier Screw Terminal   | 300V, 10A        | 300V, 10A         | 8501NR34  | <a href="#">93165654</a> |
| Class 8501 (RS44, RSD44)   | 14-Pin Spade Double Tier Screw Terminal   | 300V, 10A        | 300V, 10A         | 8501NR34B | <a href="#">22099102</a> |
| Class 8501 (RS4, RSD4, RS14, RSD14, RS24, RSD24, RS34, RSD34)  | 14-Pin Spade Double Tier Screw Terminal   | 300V, 10A        | 300V, 10A         | 8501NR45  | <a href="#">88244865</a> |
| Class 8501 (RS4, RSD4, RS14, RSD14, RS24, RSD24, RS34, RSD34)  | 14-Pin Spade Double Tier Screw Terminal   | 300V, 10A        | 300V, 10A         | 8501NR45B | <a href="#">88293098</a> |

\*Rated for use with Class 8430 type MPS at 480V. Rated 10A at 300V by CSA.

## Relay Socket Accessories

Square D®



8501NH7

| For Use With  | Description      | UL Socket Rating | CSA Socket Rating | Mfg. No. | Advanced ID              |
|---|------------------|------------------|-------------------|----------|--------------------------|
| Socket 8501NR51 (Relay 8501KP12 and KPD12)  | Hold Down Clip   | -                | -                 | 8501NH51 | <a href="#">25014279</a> |
| Socket 8501NR51 (Relay 8430MPSV24 and 9050JCK),<br>Socket 8501NR52 (Relay 8430MPV24 and 9050JCK),<br>Socket 8501NR61 (Relay 9050JCK), Socket<br>8501NR62 (Relay 9050JCK), Socket 8501NR82<br>(Relay 8430MPSV29) | Hold Down Spring | -                | -                 | 8501NH7  | <a href="#">92113847</a> |
| Socket 8501NR52 (Relay 8501KP12, KPD12),<br>Socket 8501NR62 (Relay 8501KP13, KPD13)   | Hold Down Clip   | -                | -                 | 8501NH52 | <a href="#">22099100</a> |
| Socket 8501NR61 (Relay 8501KP13, KPD13)   | Hold Down Clip   | -                | -                 | 8501NH61 | -                        |
| Socket 8501NR82 (Relay 8501KU, 8501KL)  | Hold Down Clip   | -                | -                 | 8501NH82 | <a href="#">22099101</a> |
| Socket 8501NR42 (Relay 8501RS42, RSD42),<br>Socket 8501NR43 (Relay 8501RS43, RSD43),<br>Socket 8501NR34 (Relay 8501RS44, RSD44)   | Hold Down Clip   | -                | -                 | 8501NH42 | <a href="#">22044873</a> |
| Socket 8501NR45 (Relay 8501RS4, RSD4, 8501RS14,<br>RSD14, 8501RS24, RSD24, 8501RS34, RSD34)   | Hold Down Clip   | -                | -                 | 8501NH45 | <a href="#">22044874</a> |

### Power Relays Class 8501 - Type C

Square D®



8501CDO6V51



9991UE1

8501 Type C relays are ideally suited for controlling small single phase motors and other light loads such as electric heaters, pilot lights or audible signals.

Voltage codes must be specified to order this product. Refer to standard voltage codes in the table below.

#### Features

- HP Rated
- UL Listed
- CSA Certified
- CE Approved
- Visible Contacts
- Low Cost
- Enclosures to be Ordered Separately (9991UE1)

#### Product Selection Steps

1. Select Mfg. No. from table below.
2. Select voltage code from Voltage Codes table below and append to the end of the Mfg. No.

| Contact Configuration    | No. of Fixed Contacts | Mfg. No.  | Max. Contact Voltage | Resistive Ampere Rating * | Max. Single Phase Horsepower    | Nominal Coil Voltage  |
|--------------------------|-----------------------|-----------|----------------------|---------------------------|---------------------------------|-----------------------|
| <b>AC Rated Contacts</b> |                       |           |                      |                           |                                 |                       |
| SPST                     | 1 N.O.                | 8501CO6   | 600                  | 300V-30, 600V-10          | 2 (120V), 2 (230V), 2 (600V)    | 10 VA, DC Burden - 2W |
| SPST                     | 1 N.O.                | 8501CDO6  | 600                  | 300V-30, 600V-10          | 2 (120V), 2 (230V), 2 (600V)    | 10 VA, DC Burden - 2W |
| DPST                     | 2 N.O.                | 8501CO7   | 600                  | 300V-30, 600V-5           | 1½ (120V), 1½ (230V), 1½ (600V) | 10 VA, DC Burden - 2W |
| DPST                     | 2 N.O.                | 8501CDO7  | 600                  | 300V-30, 600V-5           | 1½ (120V), 1½ (230V), 1½ (600V) | 10 VA, DC Burden - 2W |
| SPST                     | 1 N.C.                | 8501CO8   | 600                  | 300V-30, 600V-10          | 2 (120V), 2 (230V), 2 (600V)    | 10 VA, DC Burden - 2W |
| SPST                     | 1 N.C.                | 8501CDO8  | 600                  | 300V-30, 600V-10          | 2 (120V), 2 (230V), 2 (600V)    | 10 VA, DC Burden - 2W |
| SPDT                     | 1 N.O., 1 N.C.        | 8501CO15  | 600                  | 300V-30, 600V-5           | 1½ (120V), 1½ (230V), 1½ (600V) | 10 VA, DC Burden - 2W |
| SPDT                     | 1 N.O., 1 N.C.        | 8501CDO15 | 600                  | 300-30, 600V-5            | 1½ (120V), 1½ (230V), 1½ (600V) | 10 VA, DC Burden - 2W |
| DPDT                     | 2 N.O., 2 N.C.        | 8501CO16  | 600                  | 300V-30, 600V-5           | 1½ (120V), 1½ (230V), 1½ (600V) | 10 VA, DC Burden - 2W |
| DPDT                     | 2 N.O., 2 N.C.        | 8501CDO16 | 600                  | 300V-30, 600V-5           | 1½ (120V), 1½ (230V), 1½ (600V) | 10 VA, DC Burden - 2W |
| <b>DC Rated Contacts</b> |                       |           |                      |                           |                                 |                       |
| SPST                     | 1 N.O.                | 8501CO21  | 500                  | 110V-20, 220V-8           | N.A.                            | 10 VA, DC Burden - 2W |
| SPST                     | 1 N.O.                | 8501CDO21 | 500                  | 110V-20, 220V-8           | N.A.                            | 10 VA, DC Burden - 2W |
| DPDT                     | 2 N.O., 2 N.C.        | 8501CO22  | 325                  | 110V-10, 220V-4           | N.A.                            | 10 VA, DC Burden - 2W |
| DPDT                     | 2 N.O., 2 N.C.        | 8501CDO22 | 325                  | 110V-10, 220V-4           | N.A.                            | 10 VA, DC Burden - 2W |

\*75% Power Factor

#### VOLTAGE CODES - AC Voltage 50/60 Hz

- 6V - Code = V35
- 12V - Code = V36
- 24V - Code = V14
- 120V - Code = V20
- 208V - Code = V08
- 240V - Code = V24
- 277V - Code = V04
- 480V - Code = V29

#### VOLTAGE CODES - DC Voltage

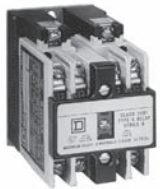
- 6V - Code = V50
- 12V - Code = V51
- 24V - Code = V53
- 110V - Code = V60

## NEMA Type Industrial Control Relays

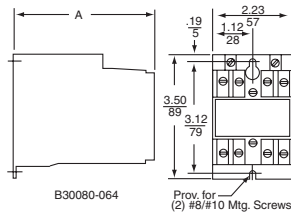
### AC Control Relays

#### Class 8501 - Type X®

Square D®



XO40



AC Control Relay

Voltage code must be specified to order these products. Refer to voltage table below.

#### Features

- Straight-Through Wiring
- Plug-In Contact Cartridges for Easy Contact Conversion and Replacement
- Contact Conversion Without Removing Terminal Screws or Wires
- Self-Lifting Pressure Wire Connectors
- Replaceable Coil

#### Selection Steps

1. Select Class+Type from 1st table.
2. Select voltage code from Voltage Code table and append to the end of the Mfg. No.

| Contact Configuration                       | Mfg. No.   |
|---|------------|
| <b>AC Control Relays*</b>                   |            |
| N.O. Convertible Instantaneous Contacts -0  | 8501XO00   |
| N.O. Convertible Instantaneous Contacts -2  | 8501XO20   |
| N.O. Convertible Instantaneous Contacts -3  | 8501XO30   |
| N.O. Convertible Instantaneous Contacts -4  | 8501XO40   |
| N.O. Convertible Instantaneous Contacts -6  | 8501XO60   |
| N.O. Convertible Instantaneous Contacts -7  | 8501XO80   |
| N.O. Convertible Instantaneous Contacts -10 | 8501XO1000 |
| N.O. Convertible Instantaneous Contacts -12 | 8501XO1200 |

\*A maximum of 8 N.C. contacts is allowed on 9-12 pole relays.

#### VOLTAGE CODES - AC Voltage 50 Hz

- 24V - V12
- 48V - V16
- 110V - V02
- 220V - V03
- 440V - V06
- 550V - V07

#### VOLTAGE CODES - AC Voltage 60 Hz

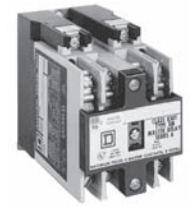
- 12V - Code = V11
- 24V - Code = V01
- 48V - Code = V18
- 120V - Code = V02
- 208V - Code = V08
- 240V - Code = V03
- 277V - Code = V04
- 480V - Code = V06
- 600V - Code = V07

## NEMA Type Industrial Control Relays

### AC Master Relays

#### Class 8501 - Type X®

Square D®



#### Features

- 20A Contact Rating Due to Use of Master Contact Cartridges. A Maximum of Six 8501 Type XC4 Master Cartridges May be Used on Only 7 and 8 Pole AC Devices
- Provisions for Standard Cartridges to be Used in Contact Cavities Not Occupied by Master Cartridges in 2-8 pole AC Relay

#### Product Selection Steps:

1. Select Mfg. No. from table below.
2. Select voltage code from VOLTAGE CODES under AC control relays and append to the end of the Mfg. No.

| Contact Configuration                    | Mfg. No.  |
|--|-----------|
| <b>AC Master Relays*</b>                 |           |
| N.O. 20 Amperes Convertible Contacts - 2 | 8501XMO20 |
| N.O. 20 Amperes Convertible Contacts - 4 | 8501XMO40 |
| N.O. 20 Amperes Convertible Contacts - 6 | 8501XMO60 |

\*Attachments not permitted on this relay.

### NEMA Type Industrial Control Relays

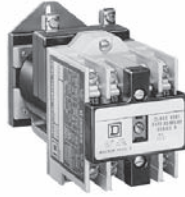
#### DC Control Relays

#### Class 8501 - Type X®

Square D®

##### Features

- Replaceable, Highly Reliable Pure DC Power Plant: No Economizing Resistors, Overlapping Contacts or Dual-Wound Coil
- Utilizes the Same Type XB Adder Decks and Attachments as the AC Version
- Offers All the Features of the AC Relay
- Available in up to 8 Poles
- All Contact Poles are Usable Since No Overlapping Contacts are Needed



##### Product Selection Steps:

1. Select Mfg. No. from table below.
2. Select voltage code from VOLTAGE CODES under DC Utility Relays and append to the end of the Mfg. No.

| Contact Configuration                       | Mfg. No.  |
|---|-----------|
| <b>DC Control Relays</b>                    |           |
| N.O. Convertible Instantaneous Contacts - 0 | 8501XDO00 |
| N.O. Convertible Instantaneous Contacts - 2 | 8501XDO20 |
| N.O. Convertible Instantaneous Contacts - 4 | 8501XDO40 |
| N.O. Convertible Instantaneous Contacts - 6 | 8501XDO60 |
| N.O. Convertible Instantaneous Contacts - 8 | 8501XDO80 |

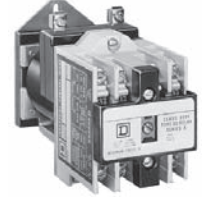
### NEMA Type Industrial Control Relays

#### DC Utility Relays

#### Class 8501 - Type X®

Square D®

Ideal for utility plant applications where reliable performance and a pure DC power plant is required.



##### Features

- Up to 12 Poles N.O. or N.C.
- Nominal 125V DC Coil, Capable of Handling 140V DC Continuously and Picking up at 105V DC After Having Been Operated at 140V DC Continuously. Other Voltages with Comparable Operating Characteristics are Available.
- Enclosed Device Capable of Operating in 145°F Ambient

##### Product Selection Steps:

1. Select Mfg. No. from table below.
2. Select voltage code from VOLTAGE CODES below and append to the end of the Mfg. No.

| Contact Configuration    | Mfg. No.     |
|--------------------------|--------------|
| <b>DC Utility Relays</b> |              |
| 4 N.O.                   | 8501XUDO40   |
| 4 N.C.                   | 8501XUDO04   |
| 8 N.O.                   | 8501XUDO80   |
| 8 N.C.                   | 8501XUDO08   |
| 12 N.O.                  | 8501XUDO1200 |
| 12 N.C.                  | 8501XUDO0012 |

##### VOLTAGE CODES - DC Voltage

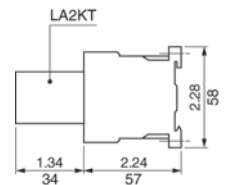
|                  |                       |
|------------------|-----------------------|
| 6V - Code = V50  | 72V - Code = V58      |
| 12V - Code = V51 | 90V - Code = V59      |
| 24V - Code = V53 | 115/125V - Code = V62 |
| 32V - Code = V54 | 230/250V - Code = V66 |
| 48V - Code = V56 |                       |

### Electronic Time Delay Contact Blocks

Telemecanique

##### Features

- Relay Output, with Common Point Changeover Contact, 240V AC, 48V DC, 2A Maximum
- Maximum Switching Capacity: 250 VA or 150W
- Operating Temperature: -10 to +60°C (+14°F TO 140°F)
- Reset Time: 1.5 sec. During the Time Delay Period, 0.5 sec. After the Time Delay



| Description  | Minimum Time Setting | Maximum Time Setting | Mfg. No. | Advanced ID     |
|--|----------------------|----------------------|----------|-----------------|
| <b>Electronic Time Delay Contact Blocks</b>              |                      |                      |          |                 |
| <b>Clip-on front mounting, 1 block per control relay</b> |                      |                      |          |                 |
| <b>On-delay Type</b>                                     |                      |                      |          |                 |
| <b>Composition C.O. - 1</b>                              |                      |                      |          |                 |
| AC or DC / 24 to 48V                                     | 1 Sec                | 30 Sec               | LA2KT2E  | <b>96074278</b> |
| AC / 110 to 240V   | 1 Sec                | 30 Sec               | LA2KT2U  | <b>96074279</b> |



## TeSys™ IEC Type Industrial Control Relays

### CA2K and CA3K

Telemecanique



CA2KN40..



CA2KN403..



CA3KN407..

#### Features

- Mounting on 35 mm DIN 3 Track or 4 Screw Direct Mounting
- Screws in Open "Ready-To-Tighten" Position
- NEMA A600, Q600
- IEC AC15, DC13

#### Product Selection Steps:

1. Select Mfg. No. in table below.
2. Select appropriate voltage code from Voltage Codes Table on page 12-50 and append to end of Mfg. No.

| Supply Control Circuit   | Consumption Control Circuit | Type of Termination                   | Contact Configuration | Mfg. No. |
|--------------------------|-----------------------------|---------------------------------------|-----------------------|----------|
| <b>DC Control Relays</b> |                             |                                       |                       |          |
| AC                       | 4.5 VA                      | Screw Clamp                           | 4 N.O., 0 N.C.        | CA2KN40  |
| AC                       | 4.5 VA                      | Screw Clamp                           | 3 N.O., 1 N.C.        | CA2KN31  |
| AC                       | 4.5 VA                      | Screw Clamp                           | 2 N.O., 2 N.C.        | CA2KN22  |
| AC                       | 4.5 VA                      | Spring Termination                    | 4 N.O., 0 N.C.        | CA2KN403 |
| AC                       | 4.5 VA                      | Spring Termination                    | 3 N.O., 1 N.C.        | CA2KN313 |
| AC                       | 4.5 VA                      | Spring Termination                    | 2 N.O., 2 N.C.        | CA2KN223 |
| AC                       | 4.5 VA                      | Faston 1 x 6.35 or 2 x 2.8            | 4 N.O., 0 N.C.        | CA2KN407 |
| AC                       | 4.5 VA                      | Faston 1 x 6.35 or 2 x 2.8            | 3 N.O., 1 N.C.        | CA2KN317 |
| AC                       | 4.5 VA                      | Faston 1 x 6.35 or 2 x 2.8            | 2 N.O., 2 N.C.        | CA2KN227 |
| AC                       | 4.5 VA                      | Solder pins for printed circuit board | 4 N.O., 0 N.C.        | CA2KN405 |
| AC                       | 4.5 VA                      | Solder pins for printed circuit board | 3 N.O., 1 N.C.        | CA2KN315 |
| AC                       | 4.5 VA                      | Solder pins for printed circuit board | 2 N.O., 2 N.C.        | CA2KN225 |
| DC                       | 3W                          | Screw Clamp                           | 4 N.O., 0 N.C.        | CA3KN40  |
| DC                       | 3W                          | Screw Clamp                           | 3 N.O., 1 N.C.        | CA3KN31  |
| DC                       | 3W                          | Screw Clamp                           | 2 N.O., 2 N.C.        | CA3KN22  |
| DC                       | 3W                          | Spring Termination                    | 4 N.O., 0 N.C.        | CA3KN403 |
| DC                       | 3W                          | Spring Termination                    | 3 N.O., 1 N.C.        | CA3KN313 |
| DC                       | 3W                          | Spring Termination                    | 2 N.O., 2 N.C.        | CA3KN223 |
| DC                       | 3W                          | Faston 1 x 6.35 or 2 x 2.8            | 4 N.O., 0 N.C.        | CA3KN407 |
| DC                       | 3W                          | Faston 1 x 6.35 or 2 x 2.8            | 3 N.O., 1 N.C.        | CA3KN317 |
| DC                       | 3W                          | Faston 1 x 6.35 or 2 x 2.8            | 2 N.O., 2 N.C.        | CA3KN227 |
| DC                       | 3W                          | Solder pins for printed circuit board | 4 N.O., 0 N.C.        | CA3KN405 |
| DC                       | 3W                          | Solder pins for printed circuit board | 3 N.O., 1 N.C.        | CA3KN315 |
| DC                       | 3W                          | Solder pins for printed circuit board | 2 N.O., 2 N.C.        | CA3KN225 |

### TeSys™ IEC Type Industrial Control Relays

#### Low Consumption Control Relays

#### CA4K

Telemecanique

#### Features

- Compatible with Programmable Controller Outputs
- LED Indicator Incorporated
- Wide Range Coil (70 to 130% Uc), Suppressor Fitted as Standard



CA4KN405..

#### Product Selection Steps:

1. Select Mfg. No. in table below.
2. Select appropriate voltage code from Voltage Codes table below and append to the end of Mfg. No.

| Supply Control Circuit                | Consumption Control Circuit | Type of Termination                   | Contact Configuration | Mfg. No. |
|---------------------------------------|-----------------------------|---------------------------------------|-----------------------|----------|
| <b>Low Consumption Control Relays</b> |                             |                                       |                       |          |
| DC                                    | 1.8W                        | Screw Clamp                           | 4 N.O., 0 N.C.        | CA4KN40  |
| DC                                    | 1.8W                        | Screw Clamp                           | 3 N.O., 1 N.C.        | CA4KN31  |
| DC                                    | 1.8W                        | Screw Clamp                           | 2 N.O., 2 N.C.        | CA4KN22  |
| DC                                    | 1.8W                        | Spring Termination                    | 4 N.O., 0 N.C.        | CA4KN403 |
| DC                                    | 1.8W                        | Spring Termination                    | 3 N.O., 1 N.C.        | CA4KN313 |
| DC                                    | 1.8W                        | Spring Termination                    | 2 N.O., 2 N.C.        | CA4KN223 |
| DC                                    | 1.8W                        | Faston 1 x 6.35 or 2 x 2.8            | 4 N.O., 0 N.C.        | CA4KN407 |
| DC                                    | 1.8W                        | Faston 1 x 6.35 or 2 x 2.8            | 3 N.O., 1 N.C.        | CA4KN317 |
| DC                                    | 1.8W                        | Faston 1 x 6.35 or 2 x 2.8            | 2 N.O., 2 N.C.        | CA4KN227 |
| DC                                    | 1.8W                        | Solder pins for printed circuit board | 4 N.O., 0 N.C.        | CA4KN405 |
| DC                                    | 1.8W                        | Solder pins for printed circuit board | 3 N.O., 1 N.C.        | CA4KN315 |
| DC                                    | 1.8W                        | Solder pins for printed circuit board | 2 N.O., 2 N.C.        | CA4KN225 |

#### Voltage Codes

##### CA2-K CONTROL RELAYS (0.8-1.15 Uc) (0.85-1.1 Uc)\*

- 12V - Code = J7
- 24V - Code = B7
- 36V - Code = C7
- 42V - Code = D7
- 48V - Code = E7
- 110V - Code = F7
- 120V - Code = G7
- 127V - Code = FC7
- 208V - Code = L7
- 220/230V - Code = M7

##### CA2-K CONTROL RELAYS (0.8-1.15 Uc) (0.85-1.1 Uc)\*

- 230V - Code = P7
- 230/240V - Code = U7
- 380/400V - Code = Q7
- 400V - Code = V7
- 400/415V - Code = N7
- 440V - Code = R7
- 480V - Code = T7
- 500V - Code = S7
- 660/690V - Code = Y7

##### CA3-K CONTROL RELAYS (0.8-1.15 Uc)†

- 12V - Code = JD
- 20V - Code = ZD
- 24V - Code = BD
- 36V - Code = CD
- 48V - Code = ED
- 60V - Code = ND
- 72V - Code = SD
- 100V - Code = KD
- 110V - Code = FD
- 125V - Code = GD
- 200V - Code = LD
- 220V - Code = MD
- 230V - Code = MPD
- 240V - Code = MUD
- 250V - Code = UD

##### CA4-K, LOW CONSUMPTION CONTROL RELAYS

(wide range coil: 0.7-1.3 Uc)

- 12V - Code = JW3
- 24V - Code = BW3
- 48V - Code = EW3
- 72V - Code = SW3

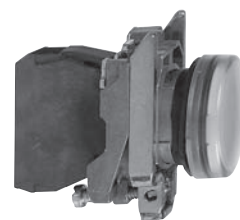
\*Up to and including 240V, coil with integral suppression device available: add '2' to the code required. Example: J72.

†Coil with integral suppression available: add '3' to the code required. Example: JD3.

## 22mm Push Buttons - Assembled Units

## Illuminated

Telemecanique

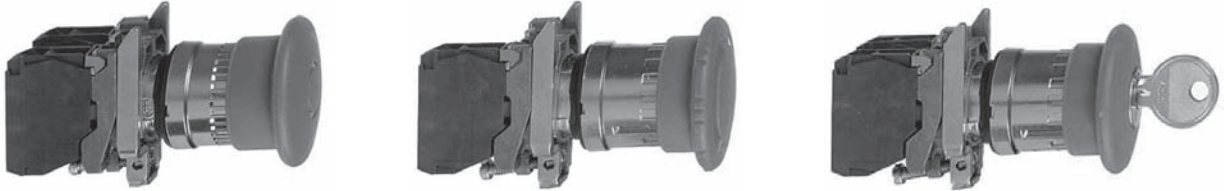


| Mfg. No.   | Advanced ID | Contact Configuration | Features                                      | Operator Action | Operator Colors | Type        |
|--|-------------|-----------------------|---|-----------------|-----------------|-------------|
| <b>Push Buttons - Pilot Lights</b>   |             |                       |   |                 |                 |             |
| <b>Light Source - Integral LED</b>   |             |                       |   |                 |                 |             |
| <b>Supply Voltage - 24 VAC/DC</b>  |             |                       |   |                 |                 |             |
| XB4BVB1  | 99509334    | -                     | Circular Bezel, Smooth Lens Cap, SC Terminals | -               | White           | Pilot Light |
| XB4BVB3  | 99509335    | -                     | Circular Bezel, Smooth Lens Cap, SC Terminals | -               | Green           | Pilot Light |
| XB4BVB4  | 99509336    | -                     | Circular Bezel, Smooth Lens Cap, SC Terminals | -               | Red             | Pilot Light |
| XB4BVB5  | 99509337    | -                     | Circular Bezel, Smooth Lens Cap, SC Terminals | -               | Yellow          | Pilot Light |
| XB4BVB6  | 99509338    | -                     | Circular Bezel, Smooth Lens Cap, SC Terminals | -               | Blue            | Pilot Light |
| <b>Supply Voltage - 110 - 120 VAC</b>  |             |                       |   |                 |                 |             |
| XB4BVG1  | 99509339    | -                     | Circular Bezel, Smooth Lens Cap, SC Terminals | -               | White           | Pilot Light |
| XB4BVG3  | 99509340    | -                     | Circular Bezel, Smooth Lens Cap, SC Terminals | -               | Green           | Pilot Light |
| XB4BVG4  | 99509341    | -                     | Circular Bezel, Smooth Lens Cap, SC Terminals | -               | Red             | Pilot Light |
| XB4BVG5  | 99509342    | -                     | Circular Bezel, Smooth Lens Cap, SC Terminals | -               | Yellow          | Pilot Light |
| XB4BVG6  | 99509343    | -                     | Circular Bezel, Smooth Lens Cap, SC Terminals | -               | Blue            | Pilot Light |
| <b>Supply Voltage - 230 - 240 VAC</b>  |             |                       |   |                 |                 |             |
| XB4BVM3  | 25012065    | -                     | Circular Bezel, Smooth Lens Cap, SC Terminals | -               | Green           | Pilot Light |
| XB4BVM4  | 25012064    | -                     | Circular Bezel, Smooth Lens Cap, SC Terminals | -               | Red             | Pilot Light |
| XB4BVM5  | 25012063    | -                     | Circular Bezel, Smooth Lens Cap, SC Terminals | -               | Yellow          | Pilot Light |
| <b>Light Source - Direct Supply for BA 9s Bulb (Not included)</b>              |             |                       |   |                 |                 |             |
| <b>Supply Voltage - Less Than or Equal to 250 VAC/DC</b>                       |             |                       |   |                 |                 |             |
| XB4BV61  | 99509344    | -                     | Circular Bezel, Smooth Lens Cap, SC Terminals | -               | White           | Pilot Light |
| XB4BV63  | 99509345    | -                     | Circular Bezel, Smooth Lens Cap, SC Terminals | -               | Green           | Pilot Light |
| XB4BV64  | 99509346    | -                     | Circular Bezel, Smooth Lens Cap, SC Terminals | -               | Red             | Pilot Light |
| XB4BV65  | 99509347    | -                     | Circular Bezel, Smooth Lens Cap, SC Terminals | -               | Yellow          | Pilot Light |
| <b>Push Buttons - Illuminated, Integral Super Bright LED</b>                   |             |                       |   |                 |                 |             |
| <b>Supply Voltage - 24 VAC/DC</b>  |             |                       |   |                 |                 |             |
| XB4BW31B5  | 99509352    | -                     | Circular Bezel, Smooth Lens Cap, SC Terminals | -               | White           | Illuminated |
| XB4BW33B5  | 99509353    | -                     | Circular Bezel, Smooth Lens Cap, SC Terminals | -               | Green           | Illuminated |
| XB4BW34B5  | 99509354    | -                     | Circular Bezel, Smooth Lens Cap, SC Terminals | -               | Red             | Illuminated |
| XB4BW35B5  | 99509355    | -                     | Circular Bezel, Smooth Lens Cap, SC Terminals | -               | Yellow          | Illuminated |
| XB4BW36B5  | 99509356    | -                     | Circular Bezel, Smooth Lens Cap, SC Terminals | -               | Blue            | Illuminated |
| <b>Supply Voltage - 110 - 120 VAC</b>  |             |                       |   |                 |                 |             |
| XB4BW31G5  | 99509357    | -                     | Circular Bezel, Smooth Lens Cap, SC Terminals | -               | White           | Illuminated |
| XB4BW33G5  | 99509358    | -                     | Circular Bezel, Smooth Lens Cap, SC Terminals | -               | Green           | Illuminated |
| XB4BW34G5  | 99509359    | -                     | Circular Bezel, Smooth Lens Cap, SC Terminals | -               | Red             | Illuminated |
| XB4BW35G5  | 99509360    | -                     | Circular Bezel, Smooth Lens Cap, SC Terminals | -               | Yellow          | Illuminated |
| XB4BW36G5  | 99509361    | -                     | Circular Bezel, Smooth Lens Cap, SC Terminals | -               | Blue            | Illuminated |
| <b>Push Buttons - Illuminated, Direct Supply for BA 9s Bulb (Not included)</b> |             |                       |   |                 |                 |             |
| <b>Supply Voltage - Less Than or Equal to 250 VAC/DC</b>                       |             |                       |   |                 |                 |             |
| XB4BW3165  | 99509362    | -                     | Circular Bezel, Smooth Lens Cap, SC Terminals | -               | White           | Illuminated |
| XB4BW3365  | 99509363    | -                     | Circular Bezel, Smooth Lens Cap, SC Terminals | -               | Green           | Illuminated |
| XB4BW3465  | 99509364    | -                     | Circular Bezel, Smooth Lens Cap, SC Terminals | -               | Red             | Illuminated |
| XB4BW3565  | 99509372    | -                     | Circular Bezel, Smooth Lens Cap, SC Terminals | -               | Yellow          | Illuminated |

### 22mm Push Buttons - Assembled Units Non-Illuminated 40mm Mushroom Head Emergency Stop

Telemecanique

XB4 Series



| Mfg. No.   | Advanced ID              | Contact Configuration | Features   | Operator Action               | Operator Colors | Type  |
|--|--------------------------|-----------------------|--|-------------------------------|-----------------|---|
| <b>Push Buttons - 40mm Mushroom Head Emergency Stop Push Buttons</b> |                          |                       |  |                               |                 |   |
| <b>Type of Push - Push-Pull (N.C.)</b>                               |                          |                       |  |                               |                 |   |
| XB4BT42  | <a href="#">99509319</a> | 1-N.C.                | Plated Circular Bezel Head, Screw Clamp Terminal Connections | Push-Pull                     | Red Cap         | Non-Illuminated Emergency Stop Push Button Assembly |
| <b>Type of Push - Push-Pull (N.C. + N.O.) Trigger Action</b>         |                          |                       |  |                               |                 |   |
| XB4BT845   | <a href="#">99509316</a> | 1-N.C., 1-N.O.        | Plated Circular Bezel Head, Screw Clamp Terminal Connections | Push-Pull                     | Red Cap         | Non-Illuminated Emergency Stop Push Button Assembly |
| <b>Type of Push - Push-Pull (N.C.)</b>                               |                          |                       |  |                               |                 |   |
| XB4BS542   | <a href="#">99509320</a> | 1-N.C.                | Plated Circular Bezel Head, Screw Clamp Terminal Connections | Push-To-Stop, Turn-To-Release | Red Cap         | Non-Illuminated Emergency Stop Push Button Assembly |
| <b>Type of Push - Push-Pull (N.C. + N.O.) Trigger Action</b>         |                          |                       |  |                               |                 |   |
| XB4BS8445  | <a href="#">99509317</a> | 1-N.C., 1-N.O.        | Plated Circular Bezel Head, Screw Clamp Terminal Connections | Push-To-Stop, Turn-To-Release | Red Cap         | Non-Illuminated Emergency Stop Push Button Assembly |
| <b>Type of Push - Key Release (N.C.)</b>                             |                          |                       |  |                               |                 |   |
| XB4BS142   | <a href="#">99509321</a> | 1-N.C.                | Plated Circular Bezel Head, Screw Clamp Terminal Connections | Key Release                   | Red Cap         | Non-Illuminated Emergency Stop Push Button Assembly |
| <b>Type of Push - Key Release (N.C. + N.O.) Trigger Action</b>       |                          |                       |  |                               |                 |   |
| XB4BS9445  | <a href="#">99509318</a> | 1-N.C., 1-N.O.        | Plated Circular Bezel Head, Screw Clamp Terminal Connections | Key Release                   | Red Cap         | Non-Illuminated Emergency Stop Push Button Assembly |

### 22mm - Assembled Units Contact Blocks and Operators Non-Illuminated Key Switches

Telemecanique

| Mfg. No.                              | Advanced ID              | Contact Configuration | Features  | Operator Action | Operator Colors | Type            |
|---------------------------------------|--------------------------|-----------------------|---|-----------------|-----------------|-----------------|
| <b>Selector Switches</b>              |                          |                       |   |                 |                 |                 |
| <b>Type of Operator - Key No. 455</b> |                          |                       |   |                 |                 |                 |
| XB4BG21                               | <a href="#">99509329</a> | N.O.                  | Plated Circular Bezel, Screw Clamp Terminals, Maintained            | Key Switch      | -               | Non-Illuminated |
| XB4BG41                               | <a href="#">99509330</a> | N.O.                  | Plated Circular Bezel, Screw Clamp Terminals, Maintained            | Key Switch      | -               | Non-Illuminated |
| XB4BG61                               | <a href="#">99509331</a> | N.O.                  | Plated Circular Bezel, Screw Clamp Terminals, Spring Return to Left | Key Switch      | -               | Non-Illuminated |
| XB4BG33                               | <a href="#">99509333</a> | N.O. + N.O.           | Plated Circular Bezel, Screw Clamp Terminals, Maintained            | Key Switch      | -               | Non-Illuminated |

## 22mm - Assembled Units

### Contact Blocks and Operators

### Non-Illuminated, Push Buttons - Spring Return

Telemecanique



| Mfg. No.   | Advanced ID              | Contact Configuration | Features  | Operator Action | Operator Colors | Type                                 |
|--|--------------------------|-----------------------|---|-----------------|-----------------|--------------------------------------|
| <b>Type of Push - Flush</b>                            |                          |                       |   |                 |                 |                                      |
| XB4BA21  | <a href="#">99509301</a> | 1-N.O.                | Plated Circular Bezel Head,<br>Screw Clamp Terminal Connections | Momentary       | Black Cap       | Non-Illuminated Push Button Assembly |
| XB4BA31  | <a href="#">99509302</a> | 1-N.O.                | Plated Circular Bezel Head,<br>Screw Clamp Terminal Connections | Momentary       | Green Cap       | Non-Illuminated Push Button Assembly |
| XB4BA42  | <a href="#">99509305</a> | 1-N.C.                | Plated Circular Bezel Head,<br>Screw Clamp Terminal Connections | Momentary       | Red Cap         | Non-Illuminated Push Button Assembly |
| XB4BA51  | <a href="#">99509303</a> | 1-N.O.                | Plated Circular Bezel Head,<br>Screw Clamp Terminal Connections | Momentary       | Yellow Cap      | Non-Illuminated Push Button Assembly |
| XB4BA61  | <a href="#">99509304</a> | 1-N.O.                | Plated Circular Bezel Head,<br>Screw Clamp Terminal Connections | Momentary       | Blue Cap        | Non-Illuminated Push Button Assembly |
| <b>Type of Push - Flush with Clear Silicone Boot</b>   |                          |                       |   |                 |                 |                                      |
| XB4BP21  | <a href="#">99509308</a> | 1-N.O.                | Plated Circular Bezel Head,<br>Screw Clamp Terminal Connections | Momentary       | Black Cap       | Non-Illuminated Push Button Assembly |
| XB4BP31  | <a href="#">99509309</a> | 1-N.O.                | Plated Circular Bezel Head,<br>Screw Clamp Terminal Connections | Momentary       | Green Cap       | Non-Illuminated Push Button Assembly |
| XB4BP42  | <a href="#">99509312</a> | 1-N.C.                | Plated Circular Bezel Head,<br>Screw Clamp Terminal Connections | Momentary       | Red Cap         | Non-Illuminated Push Button Assembly |
| XB4BP51  | <a href="#">99509310</a> | 1-N.O.                | Plated Circular Bezel Head,<br>Screw Clamp Terminal Connections | Momentary       | Yellow Cap      | Non-Illuminated Push Button Assembly |
| XB4BP61  | <a href="#">99509311</a> | 1-N.O.                | Plated Circular Bezel Head,<br>Screw Clamp Terminal Connections | Momentary       | Blue Cap        | Non-Illuminated Push Button Assembly |
| <b>Type of Push - Flush with International Marking</b> |                          |                       |   |                 |                 |                                      |
| XB4BA3311  | <a href="#">99509306</a> | 1-N.O.                | Plated Circular Bezel Head,<br>Screw Clamp Terminal Connections | Momentary       | Green Cap       | Non-Illuminated Push Button Assembly |
| XB4BA4322  | <a href="#">99509307</a> | 1-N.C.                | Plated Circular Bezel Head,<br>Screw Clamp Terminal Connections | Momentary       | Red Cap         | Non-Illuminated Push Button Assembly |
| <b>Type of Push - Projecting</b>                       |                          |                       |   |                 |                 |                                      |
| XB4BL42  | <a href="#">99509314</a> | 1-N.C.                | Plated Circular Bezel Head,<br>Screw Clamp Terminal Connections | Momentary       | Red Cap         | Non-Illuminated Push Button Assembly |
| XB4BL845   | <a href="#">99509315</a> | 1-N.O.,<br>1-N.C.     | Plated Circular Bezel Head,<br>Screw Clamp Terminal Connections | Momentary       | Green Cap       | Non-Illuminated Push Button Assembly |
| <b>Type of Push - Mushroom-Head</b>                    |                          |                       |   |                 |                 |                                      |
| XB4BC21  | <a href="#">99509313</a> | 1-N.O.                | Plated Circular Bezel Head,<br>Screw Clamp Terminal Connections | Momentary       | Black Cap       | Non-Illuminated Push Button Assembly |

## 22mm - Assembled Units

### Contact Blocks and Operators

### Non-Illuminated, Selector Switches

Telemecanique



| Mfg. No.                         | Advanced ID              | Contact Configuration | Features   | Operator Action | Operator Colors | Type            |
|----------------------------------|--------------------------|-----------------------|--|-----------------|-----------------|-----------------|
| <b>Type of Operator - Handle</b> |                          |                       |  |                 |                 |                 |
| XB4BD21                          | <a href="#">99509322</a> | N.O.                  | Plated Circular Bezel, Screw Clamp Terminals,<br>Maintained              | Selector Switch | Black           | Non-Illuminated |
| XB4BD41                          | <a href="#">22013755</a> | N.O.                  | Plated Circular Bezel, Screw Clamp Terminals,<br>Spring Return to Left   | Selector Switch | Black           | Non-Illuminated |
| XB4BD33                          | <a href="#">99509324</a> | N.O. + N.O.           | Plated Circular Bezel, Screw Clamp Terminals,<br>Maintained              | Selector Switch | Black           | Non-Illuminated |
| XB4BD53                          | <a href="#">99509325</a> | N.O. + N.O.           | Plated Circular Bezel, Screw Clamp Terminals,<br>Spring Return to Center | Selector Switch | Black           | Non-Illuminated |

### 22mm - Operators

Telemecanique

| Mfg. No.                                    | Advanced ID | Actuator Type            | Operator Colors | Type  |
|---|-------------|--------------------------|-----------------|---|
| <b>Non-Illuminated Push Button Operator</b> |             |                          |                 |   |
| ZB4BA2                                      | 99485662    | Flush                    | Black           | Non-Illuminated Push Button Operator                            |
| ZB4BA3                                      | 99485663    | Flush                    | Green           | Non-Illuminated Push Button Operator                            |
| ZB4BA4                                      | 99485664    | Flush                    | Red             | Non-Illuminated Push Button Operator                            |
| ZB4BA5                                      | 99495967    | Flush                    | Yellow          | Non-Illuminated Push Button Operator                            |
| ZB4BA6                                      | 99495970    | Flush                    | Blue            | Non-Illuminated Push Button Operator                            |
| ZB4BC2                                      | 99495979    | Projecting               | Black           | Non-Illuminated Push Button Operator                            |
| ZB4BL4                                      | 99496394    | Projecting               | Red             | Non-Illuminated Push Button Operator                            |
| ZB4BL8434                                   | 22100627    | Double-Headed            | Green           | Non-Illuminated Push Button Operator                            |
| ZB4BL9434                                   | 99496402    | Double-Headed Booted     | Green           | Non-Illuminated Push Button Operator                            |
| ZB4BP2                                      | 99496507    | Flush, Booted            | Black           | Non-Illuminated Push Button Operator                            |
| ZB4BP3                                      | 99496511    | Flush, Booted            | Green           | Non-Illuminated Push Button Operator                            |
| ZB4BP4                                      | 99496522    | Flush, Booted            | Red             | Non-Illuminated Push Button Operator                            |
| ZB4BP5                                      | 99496524    | Flush, Booted            | Yellow          | Non-Illuminated Push Button Operator                            |
| ZB4BP6                                      | 99496529    | Flush, Booted            | Blue            | Non-Illuminated Push Button Operator                            |
| ZB4BA331                                    | 99495953    | Flush                    | Green           | Non-Illuminated Push Button Operator with International Marking |
| ZB4BA432                                    | 99495960    | Flush                    | Red             | Non-Illuminated Push Button Operator with International Marking |
| ZB4BS14                                     | 99496550    | Turn to Release          | Red             | Non-Illuminated Push Button Operator                            |
| ZB4BS54                                     | 99485671    | Key Release              | Red             | Non-Illuminated Push Button Operator                            |
| ZB4BS844                                    | 99496560    | Turn to Release          | Red             | Non-Illuminated Push Button Operator                            |
| ZB4BS944                                    | 99496563    | Key Release              | Red             | Non-Illuminated Push Button Operator                            |
| ZB4BT4                                      | 99485672    | Push-Pull                | Red             | Non-Illuminated Push Button Operator                            |
| ZB4BT84                                     | 99528224    | Push-Pull Trigger Action | Red             | Non-Illuminated Push Button Operator                            |
| <b>Selector Switch</b>                      |             |                          |                 |   |
| ZB4BD2                                      | 99485666    | Handle                   | Black           | 2-maintained  |
| ZB4BD3                                      | 99485667    | Handle                   | Black           | 3-maintained  |
| ZB4BD4                                      | 99496021    | Handle                   | Black           | 2-momentary from right to left                                  |
| ZB4BD5                                      | 99485668    | Handle                   | Black           | 3-momentary to center   |
| <b>Key Switch</b>                           |             |                          |                 |   |
| ZB4BG2                                      | 99488998    | Key No. 455              | -               | 2-maintained, key withdrawal left                               |
| ZB4BG4                                      | 99496299    | Key No. 455              | -               | 2-maintained, key withdrawal left or right                      |
| ZB4BG6                                      | 99496311    | Key No. 455              | -               | 2-momentary from right to left, key withdrawal left             |
| ZB4BG3                                      | 99496297    | Key No. 455              | -               | 3-maintained, key withdrawal center                             |
| <b>Illuminated Push Button Operator</b>     |             |                          |                 |   |
| ZB4BW31                                     | 99495978    | Flush, Spring Return     | White           | Illuminated Push Button Operator                                |
| ZB4BW33                                     | 99485690    | Flush, Spring Return     | Green           | Illuminated Push Button Operator                                |
| ZB4BW34                                     | 99485692    | Flush, Spring Return     | Red             | Illuminated Push Button Operator                                |
| ZB4BW35                                     | 99485694    | Flush, Spring Return     | Yellow          | Illuminated Push Button Operator                                |
| ZB4BW36                                     | 99496267    | Flush, Spring Return     | Blue            | Illuminated Push Button Operator                                |

### 22mm - Pilot Lights

Telemecanique



| Mfg. No. | Advanced ID | Features                                  | Lamp Type                           | Lens Color  | Type                                       |
|----------|-------------|---|-------------------------------------|-------------|--|
| ZB4BV01  | 99486600    | -   | BA9S Incandescent Lamp, Neon or LED | White       | Round Pilot Light Head                     |
| ZB4BV03  | 99485647    | -   | BA9S Incandescent Lamp, Neon or LED | Green       | Round Pilot Light Head                     |
| ZB4BV04  | 99485649    | -   | BA9S Incandescent Lamp, Neon or LED | Red         | Round Pilot Light Head                     |
| ZB4BV05  | 99485651    | -   | BA9S Incandescent Lamp, Neon or LED | Yellow      | Round Pilot Light Head                     |
| ZB4BV06  | 99486602    | -   | BA9S Incandescent Lamp, Neon or LED | Blue        | Round Pilot Light Head                     |
| ZB4BV6   | 99485653    | Includes Mounting Collar and Light Module | BA9S Incandescent Lamp 2.4 Watt Max | Without Cap | Pilot Light Body - Direct Supply           |
| ZB4BW065 | 99496260    | Screw Clamp Terminal Connection           | BA9S Incandescent Lamp 2.4 Watt Max | Without Cap | Light Module Assembly - Direct Supply Type |
| ZB4BV043 | 99485650    | -   | Protected LED Only                  | Red         | Round Pilot Light Head                     |



## 22mm - Legend Plates

Telemecanique

| Mfg. No.                                  | Advanced ID     | Dimensions     | Features                                  | For Use With                          | Legend         |
|---|-----------------|----------------|---|---------------------------------------|----------------|
| <b>Standard Legend Plate for 8 x 27mm</b> |                 |                |   |                                       |                |
| ZBY2101                                   | <b>99485681</b> | 30 X 40 mm     | For Engraving, Black or Red Background    | XB4 Operators                         | Blank          |
| ZBY4101                                   | <b>99496189</b> | 30 X 40 mm     | For Engraving, White or Yellow Background | XB4 Operators                         | Blank          |
| ZBY2303                                   | <b>99485683</b> | 30 X 40 mm     | Black Background/White Text               | XB4 Operators                         | Start          |
| ZBY2304                                   | <b>99485684</b> | 30 X 40 mm     | Black Background/White Text               | XB4 Operators                         | Stop           |
| ZBY2307                                   | <b>99496234</b> | 30 X 40 mm     | Black Background/White Text               | XB4 Operators                         | Up             |
| ZBY2308                                   | <b>99496235</b> | 30 X 40 mm     | Black Background/White Text               | XB4 Operators                         | Down           |
| ZBY2311                                   | <b>99496238</b> | 30 X 40 mm     | Black Background/White Text               | XB4 Operators                         | On             |
| ZBY2312                                   | <b>99496239</b> | 30 X 40 mm     | Black Background/White Text               | XB4 Operators                         | Off            |
| ZBY2313                                   | <b>99496241</b> | 30 X 40 mm     | Black Background/White Text               | XB4 Operators                         | Open           |
| ZBY2314                                   | <b>99496240</b> | 30 X 40 mm     | Black Background/White Text               | XB4 Operators                         | Close          |
| ZBY2322                                   | <b>99682473</b> | 30 X 40 mm     | Black Background/White Text               | XB4 Operators                         | Reset          |
| ZBY2326                                   | <b>99496182</b> | 30 X 40 mm     | Black Background/White Text               | XB4 Operators                         | Power On       |
| ZBY2330                                   | <b>99485686</b> | 30 X 40 mm     | Black Background/White Text               | XB4 Operators                         | Emergency Stop |
| ZBY2334                                   | <b>99496185</b> | 30 X 40 mm     | Black Background/White Text               | XB4 Operators                         | Run            |
| ZBY2366                                   | <b>99496188</b> | 30 X 40 mm     | Black Background/White Text               | XB4 Operators                         | Stop-Start     |
| ZBY2367                                   | <b>99485689</b> | 30 X 40 mm     | Black Background/White Text               | XB4 Operators                         | Off-On         |
| ZBY2387                                   | <b>99485688</b> | 30 X 40 mm     | Black Background/White Text               | XB4 Operators                         | Hand-Off-Auto  |
| <b>Circular Legend Plate</b>              |                 |                |   |                                       |                |
| ZBY8101                                   | <b>99496190</b> | 90 mm Diameter | Yellow Background with Black Text         | XB4 Emergency Stop Mushroom Operators | Blank          |
| ZBY8330                                   | <b>99486609</b> | 90 mm Diameter | Yellow Background with Black Text         | XB4 Emergency Stop Mushroom Operators | Emergency Stop |
| ZBY9101                                   | <b>99496191</b> | 60 mm Diameter | Yellow Background with Black Text         | XB4 Emergency Stop Mushroom Operators | Blank          |
| ZBY9330                                   | <b>99486610</b> | 60 mm Diameter | Yellow Background with Black Text         | XB4 Emergency Stop Mushroom Operators | Emergency Stop |

## 22mm - Single Contact Blocks

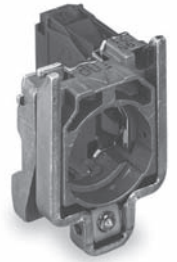
Telemecanique



| Mfg. No. | Advanced ID     | Contact Configuration | Features        | For Use With | Type   |
|----------|-----------------|-----------------------|-----------------|--------------|--------|
| ZBE101   | <b>99485698</b> | 1 N.O.                | S. C. Connector | 22mm         | Add On |
| ZBE102   | <b>99485700</b> | 1 N.C.                | S. C. Connector | 22mm         | Add On |

### 22mm - Contact Blocks

Telemecanique



| Mfg. No. | Advanced ID              | Contact Configuration | Features                         | For Use With                               | Type                             |
|----------|--------------------------|-----------------------|----------------------------------|--|----------------------------------|
| ZB4BZ101 | <a href="#">99485704</a> | 1 N.O.                | Screw Clamp Terminal Connections | Non-Illuminated XB4 Series Operating Heads | Contact Block with Mounting Base |
| ZB4BZ102 | <a href="#">99485706</a> | 1 N.C.                | Screw Clamp Terminal Connections | Non-Illuminated XB4 Series Operating Heads | Contact Block with Mounting Base |
| ZB4BZ105 | <a href="#">99485708</a> | 1 N.O., 1 N.C.        | Screw Clamp Terminal Connections | Non-Illuminated XB4 Series Operating Heads | Contact Block with Mounting Base |
| ZB4BZ103 | <a href="#">99486604</a> | 2 N.O.                | Screw Clamp Terminal Connections | Non-Illuminated XB4 Series Operating Heads | Contact Block with Mounting Base |
| ZENL1111 | <a href="#">99496465</a> | 1 N.O.                | -                                | XB5 Control and Signalling Units           | Standard Contact Block           |
| ZENL1121 | <a href="#">99496466</a> | 1 N.C.                | -                                | XB5 Control and Signalling Units           | Standard Contact Block           |

### 22mm Push Buttons - Accessories

#### Light Module

Telemecanique

| Mfg. No. | Advanced ID              | Description                           | For Use With          |
|----------|--------------------------|---------------------------------------|-----------------------|
| ZBVB1    | <a href="#">99496364</a> | Light Module - 24V AC/DC, White       | XB4 22mm Push Buttons |
| ZBVB3    | <a href="#">99485709</a> | Light Module - 24V AC/DC, Green       | XB4 22mm Push Buttons |
| ZBVB4    | <a href="#">99485675</a> | Light Module - 24V AC/DC, Red         | XB4 22mm Push Buttons |
| ZBVB5    | <a href="#">99496375</a> | Light Module - 24V AC/DC, Yellow      | XB4 22mm Push Buttons |
| ZBVB6    | <a href="#">99496381</a> | Light Module - 24V AC/DC, Blue        | XB4 22mm Push Buttons |
| ZBVG1    | <a href="#">99496382</a> | Light Module - 48-120V AC, White      | XB4 22mm Push Buttons |
| ZBVG3    | <a href="#">99485677</a> | Light Module - 48-120V AC, Green      | XB4 22mm Push Buttons |
| ZBVG4    | <a href="#">99485679</a> | Light Module - 48-120V AC, Red        | XB4 22mm Push Buttons |
| ZBVG5    | <a href="#">99496383</a> | Light Module - 48-120V AC, Yellow     | XB4 22mm Push Buttons |
| ZBVG6    | <a href="#">99496384</a> | Light Module - 48-120V AC, Blue       | XB4 22mm Push Buttons |
| ZBVM1    | <a href="#">99496368</a> | Light Module - 230-240V AC, White     | XB4 22mm Push Buttons |
| ZBVM3    | <a href="#">99496372</a> | Light Module - 230-240V AC, Green     | XB4 22mm Push Buttons |
| ZBVM4    | <a href="#">99496276</a> | Light Module - 230-240V AC, Red       | XB4 22mm Push Buttons |
| ZBVM5    | <a href="#">99496277</a> | Light Module - 230-240V AC, Yellow    | XB4 22mm Push Buttons |
| ZBVM6    | <a href="#">99496278</a> | Light Module - 230-240V AC, Blue      | XB4 22mm Push Buttons |
| ZBV6     | <a href="#">99485661</a> | Light Module - 250 V max., 2-4 W max. | XB4 22mm Push Buttons |

## 30mm Assembled Push Buttons

## Assembled Units

## Non-Illuminated

Square D®

| Mfg. No.  | Advanced ID | Contact Configuration | Features                                    | Operator Action           | Operator Colors   | Type                                 |
|---|-------------|-----------------------|---|---------------------------|-------------------|--------------------------------------|
| <b>Push Buttons - Non-Illuminated Momentary</b> |             |                       |   |                           |                   |                                      |
| 9001KR1GH5                                      | 88285526    | (1) N.O.              | Full Guard                                  | 2-Position Momentary Push | Green             | Non-Illuminated Push Button Operator |
| 9001KR1RH6                                      | 88247759    | (1) N.C.              | Full Guard                                  | 2-Position Momentary Push | Red               | Non-Illuminated Push Button Operator |
| 9001KR1BH13                                     | 88247751    | (1) N.O. (1) N.C.     | Full Guard                                  | 2-Position Momentary Push | Black             | Non-Illuminated Push Button Operator |
| 9001KR1GH13                                     | 91034915    | (1) N.O. (1) N.C.     | Full Guard                                  | 2-Position Momentary Push | Green             | Non-Illuminated Push Button Operator |
| 9001KR1RH13                                     | 88247758    | (1) N.O. (1) N.C.     | Full Guard                                  | 2-Position Momentary Push | Red               | Non-Illuminated Push Button Operator |
| 9001KR1YH13                                     | 89080630    | (1) N.O. (1) N.C.     | Full Guard                                  | 2-Position Momentary Push | Yellow            | Non-Illuminated Push Button Operator |
| 9001KR1WH13                                     | 95011823    | (1) N.O. (1) N.C.     | Full Guard                                  | 2-Position Momentary Push | White             | Non-Illuminated Push Button Operator |
| 9001KR1LH13                                     | 93198580    | (1) N.O. (1) N.C.     | Full Guard                                  | 2-Position Momentary Push | Blue              | Non-Illuminated Push Button Operator |
| 9001KR1SH13                                     | 94008345    | (1) N.O. (1) N.C.     | Full Guard                                  | 2-Position Momentary Push | Orange            | Non-Illuminated Push Button Operator |
| 9001KR1UH5                                      | 94061549    | (1) N.O.              | Spring Return, SC Terminals                 | 2-Position Momentary Push | Universal 7-Color | Non-Illuminated Push Button Operator |
| 9001KR1UH13                                     | 92143035    | (1) N.O. (1) N.C.     | Spring Return, SC Terminals                 | 2-Position Momentary Push | Universal 7-Color | Non-Illuminated Push Button Operator |
| 9001KR2GH5                                      | 96084574    | (1) N.O.              | Extended Guard                              | 2-Position Momentary Push | Green             | Non-Illuminated Push Button Operator |
| 9001KR2RH6                                      | 22053960    | (1) N.C.              | Extended Guard                              | 2-Position Momentary Push | Red               | Non-Illuminated Push Button Operator |
| 9001KR2BH13                                     | 99485715    | (1) N.O. (1) N.C.     | Extended Guard                              | 2-Position Momentary Push | Black             | Non-Illuminated Push Button Operator |
| 9001KR2GH13                                     | 22096519    | (1) N.O. (1) N.C.     | Extended Guard                              | 2-Position Momentary Push | Green             | Non-Illuminated Push Button Operator |
| 9001KR2RH13                                     | 97188292    | (1) N.O. (1) N.C.     | Extended Guard                              | 2-Position Momentary Push | Red               | Non-Illuminated Push Button Operator |
| 9001KR2UH5                                      | 22096522    | (1) N.O.              | Extended Guard, Spring Return, SC Terminals | 2-Position Momentary Push | Universal 7-Color | Non-Illuminated Push Button Operator |
| 9001KR2UH13                                     | 94007244    | (1) N.O. (1) N.C.     | Extended Guard, Spring Return, SC Terminals | 2-Position Momentary Push | Universal 7-Color | Non-Illuminated Push Button Operator |
| 9001KR24RH6                                     | 88285527    | (1) N.C.              | Spring Return, SC Terminals                 | 2-Position Momentary Push | Red               | Non-Illuminated Push Button Operator |
| 9001KR24RH13                                    | 95008434    | (1) N.O. (1) N.C.     | Spring Return, SC Terminals                 | 2-Position Momentary Push | Red               | Non-Illuminated Push Button Operator |
| 9001KR25RH6                                     | 93150373    | (1) N.C.              | Spring Return, SC Terminals                 | 2-Position Momentary Push | Red               | Non-Illuminated Push Button Operator |
| 9001KR25RH13                                    | 91015671    | (1) N.O. (1) N.C.     | Spring Return, SC Terminals                 | 2-Position Momentary Push | Red               | Non-Illuminated Push Button Operator |
| 9001KR3GH5                                      | 96093612    | (1) N.O.              | No Guard                                    | 2-Position Momentary Push | Green             | Non-Illuminated Push Button Operator |
| 9001KR3RH6                                      | 88247782    | (1) N.C.              | No Guard                                    | 2-Position Momentary Push | Red               | Non-Illuminated Push Button Operator |
| 9001KR3BH13                                     | 92040595    | (1) N.O. (1) N.C.     | No Guard                                    | 2-Position Momentary Push | Black             | Non-Illuminated Push Button Operator |
| 9001KR3GH13                                     | 97259710    | (1) N.O. (1) N.C.     | No Guard                                    | 2-Position Momentary Push | Green             | Non-Illuminated Push Button Operator |

Continued ►

### 30mm Assembled Push Buttons

#### Assembled Units

#### Non-Illuminated

Square D®

| Mfg. No.  | Advanced ID     | Contact Configuration | Features  | Operator Action           | Operator Colors   | Type                                 |
|---|-----------------|-----------------------|---|---------------------------|-------------------|--------------------------------------|
| <b>Push Buttons - Non-Illuminated Momentary</b> |                 |                       |   |                           |                   |                                      |
| 9001KR3RH13                                     | <b>90058682</b> | (1) N.O.(1) N.C.      | No Guard  | 2-Position Momentary Push | Red               | Non-Illuminated Push Button Operator |
| 9001KR3YH13                                     | <b>22096531</b> | (1) N.O.(1) N.C.      | No Guard  | 2-Position Momentary Push | Yellow            | Non-Illuminated Push Button Operator |
| 9001KR3UH5                                      | <b>90058683</b> | (1) N.O.              | No Guard  | 2-Position Momentary Push | Universal 7-Color | Non-Illuminated Push Button Operator |
| 9001KR3UH13                                     | <b>92127588</b> | (1) N.O.(1) N.C.      | No Guard, Spring Return, SC Terminals   | 2-Position Momentary Push | Universal 7-Color | Non-Illuminated Push Button Operator |
| 9001KR9R94H13                                   | <b>25012096</b> | (1) N.O.(1) N.C.      | Push-Pull, 40mm Mushroom Head, SC Terminals   | -                         | Red               | Non-Illuminated Push Button Operator |
| 9001KR9R20H13                                   | <b>98390850</b> | (1) N.O.(1) N.C.      | Push-Pull, 35mm Mushroom Head, SC Terminals   | -                         | Red               | Non-Illuminated Push Button Operator |
| <b>Push Buttons - Illuminated</b>               |                 |                       |   |                           |                   |                                      |
| 9001K1L1R                                       | <b>88247209</b> | -                     | Full Guard  | -                         | Red               | Illuminated                          |
| 9001K1L1G                                       | <b>88247208</b> | -                     | Full Guard  | -                         | Green             | Illuminated                          |
| 9001K2L1R                                       | <b>88247242</b> | -                     | Full Guard  | -                         | Red               | Illuminated                          |
| 9001K2L1G                                       | <b>88247241</b> | -                     | Full Guard  | -                         | Green             | Illuminated                          |
| 9001K2L1RH13                                    | <b>91027840</b> | (1) N.O.(1) N.C.      | SC terminals  | -                         | Red               | Illuminated                          |
| 9001K2L1GH13                                    | <b>93198589</b> | (1) N.O.(1) N.C.      | SC terminals  | -                         | Green             | Illuminated                          |
| 9001K2L1AH13                                    | <b>22096327</b> | (1) N.O.(1) N.C.      | SC terminals  | -                         | Amber             | Illuminated                          |
| 9001K3L1R                                       | <b>99525654</b> | -                     | Full Guard  | -                         | Red               | Illuminated                          |
| 9001K3L1G                                       | <b>22007550</b> | -                     | Full Guard  | -                         | Green             | Illuminated                          |
| 9001K3L35LRRH13                                 | <b>22096402</b> | (1) N.O.(1) N.C.      | Spring Return Full Guard  | -                         | Red               | Illuminated                          |
| 9001K3L38LGGH13                                 | <b>22096408</b> | (1) N.O.(1) N.C.      | Spring Return Full Guard  | -                         | Green             | Illuminated                          |
| 9001KR9P35LRRH13                                | <b>96078123</b> | (1) N.O.(1) N.C.      | Mushroom Head, Push-Pull  | -                         | Red               | Illuminated                          |
| 9001KR8P35LRRH25                                | <b>22096557</b> | (1) N.O.(1) N.C.      | Mushroom Head, Push-Pull late break   | -                         | Red               | Illuminated                          |
| 9001KR9P38LRRH13                                | <b>22082518</b> | (1) N.O.(1) N.C.      | Mushroom Head, Push-Pull (pull: spring return, center: maintained, push: spring return) | -                         | Red               | Illuminated                          |
| 9001KR9P1RH13                                   | <b>88247825</b> | (1) N.O.(1) N.C.      | Mushroom Head, Push-Pull  | -                         | Red               | Illuminated                          |
| 9001KR8P1RH25                                   | <b>88247812</b> | (1) N.O.(1) N.C.      | Mushroom Head, Push-Pull (pull: spring return, center: maintained, push: spring return) | -                         | Red               | Illuminated                          |

### 30mm - Control Stations

Square D®

Class 9001KY, 9001SKY, and XAC

| Mfg. No.  | Advanced ID | Operator Colors     | Contact Configuration | Markings                 | Type |
|---|-------------|---------------------|-----------------------|--------------------------|------|
| <b>Type KY and SKY 30 mm Control Stations - Die Cast Aluminum</b> |             |                     |                       |                          |      |
| 9001KYK11   | 88311139    | Black               | 1 (NC)                | Hand - Off - Auto (SS)   | KY1  |
| 9001KYK13   | 88311147    | Red                 | 1 (NC)                | Stop                     | KY1  |
| 9001KYK117  | 88293105    | Red                 | 1 (NC)                | To Stop - Break Glass    | KY1  |
| 9001KYK110  | 88311150    | Black               | 1 (NC)                | Off-On (SS)              | KY1  |
| 9001KYK21   | 88248136    | Black / Red         | 2 (NC)                | Start-Stop               | KY2  |
| 9001KYK25   | 91034929    | Black / Black       | 2 (NC)                | Up - Down                | KY2  |
| 9001KYK26   | 99681819    | Black / Black       | 2 (NC)                | Open - Close             | KY2  |
| 9001KYK31   | 88311138    | Black / Black / Red | 3 (NC)                | Forward - Reverse - Stop | KY3  |
| 9001KYK32   | 88311148    | Black / Black / Red | 3 (NC)                | Up - Down - Stop         | KY3  |
| 9001KYK33   | 88311149    | Black / Black / Red | 3 (NC)                | Open - Close - Stop      | KY3  |
| <b>Type KY and SKY 30 mm Control Stations - Polymeric</b>         |             |                     |                       |                          |      |
| 9001SKY101  | 88248466    | Black               | 1(NC)                 | Start                    | SKY1 |
| 9001SKY103  | 88248467    | Red                 | 1(NC)                 | Stop                     | SKY1 |
| 9001SKY110  | 92114095    | Black               | 1(NC)                 | Off-On (SS)              | SKY1 |
| 9001SKY111  | 88248468    | Black               | 1(NC)                 | Hand - Off - Auto (SS)   | SKY1 |
| 9001SKY201  | 88248470    | Black / Red         | 2 (NC)                | Start - Stop             | SKY2 |
| 9001SKY205  | 99517392    | Black / Black       | 2 (NC)                | Up - Down                | SKY2 |
| 9001SKY206  | 22097344    | Black / Black       | 2 (NC)                | Open - Close             | SKY2 |
| 9001SKY301  | 88248472    | Black / Black / Red | 3 (NC)                | Forward - Reverse - Stop | SKY3 |
| 9001SKY302  | 96009262    | Black / Black / Red | 3 (NC)                | Up - Down - Stop         | SKY3 |
| 9001SKY303  | 22069191    | Black / Black / Red | 3 (NC)                | Open - Close - Stop      | SKY3 |

### 30mm - Control Stations

Square D®



| Mfg. No.  | Advanced ID | Operator Type      | Contact Configuration | Markings                 | Enclosure Type          |
|---|-------------|--------------------|-----------------------|--------------------------|-------------------------|
| <b>Type B Standard Duty Control Stations - Surface Mounting</b>         |             |                    |                       |                          |                         |
| 9001BG103   | 88246795    | Mushroom           | 1(NC)                 | Stop                     | NEMA 1 Surface Mounting |
| 9001BG104   | 88246796    | Lockout            | 1(NC)                 | Stop                     | NEMA 1 Surface Mounting |
| 9001BG112   | 88246799    | Selector Switch    | 3(NO)                 | Hand - Off - Auto        | NEMA 1 Surface Mounting |
| 9001BG201   | 88246803    | -                  | 1(NO), 1(NC)          | Start - Stop             | NEMA 1 Surface Mounting |
| 9001BG204   | 88246806    | Lockout on Stop    | 1(NO), 1(NC)          | Start - Stop             | NEMA 1 Surface Mounting |
| 9001BG208   | 88246810    | -                  | 1(NO), 1(NC)          | Up - Down                | NEMA 1 Surface Mounting |
| 9001BG215   | 88246815    | Maintained Contact | 2(NO)                 | Start - Stop             | NEMA 1 Surface Mounting |
| 9001BG302   | 88246824    | -                  | 2(NO), 1(NC)          | Forward - Reverse - Stop | NEMA 1 Surface Mounting |
| 9001BG303   | 88246825    | -                  | 2(NO), 1(NC)          | Open - Close - Stop      | NEMA 1 Surface Mounting |
| 9001BG305   | 88246827    | -                  | 2(NO), 1(NC)          | Up - Down - Stop         | NEMA 1 Surface Mounting |
| <b>Type B Standard Duty Control Stations - Watertight and Dusttight</b> |             |                    |                       |                          |                         |
| 9001BW151   | 88246856    | Mushroom           | 1(NC)                 | Stop                     | NEMA 4                  |
| 9001BW148   | 88246855    | Lockout            | 1(NC)                 | Stop                     | NEMA 4                  |
| 9001BW240   | 88246858    | -                  | 1(NO), 1(NC)          | Start - Stop             | NEMA 4                  |
| 9001BW241   | 88246859    | Lockout on Stop    | 1(NO), 1(NC)          | Start - Stop             | NEMA 4                  |
| 9001BW243   | 88246861    | -                  | 2(NO)                 | Up - Down                | NEMA 4                  |
| 9001BW255   | 88246866    | Maintained Contact | 2(NO)                 | Start - Stop             | NEMA 4                  |

### 30mm - Operators

Square D®

Actuator Type - SC Terminals

| Mfg. No.     | Advanced ID              | Features       | Operator Action | Operator Colors | Type                            |
|--------------|--------------------------|----------------|-----------------|-----------------|---------------------------------|
| 9001KS53FBH1 | <a href="#">22096750</a> | 1 N.O., 1 N.C. | Spring Return   | Black           | Non-Illuminated Selector Switch |
| 9001KS11FBH5 | <a href="#">22096630</a> | 1 N.O.         | Manual Return   | Black           | Non-Illuminated Selector Switch |
| 9001KS43FBH1 | <a href="#">22096708</a> | 1 N.O., 1 N.C. | Manual Return   | Black           | Non-Illuminated Selector Switch |
| 9001KS11K1H1 | <a href="#">22096647</a> | 1 N.O., 1 N.C. | Manual Return   | Black           | Non-Illuminated Key Switch      |

### 30mm - Operators

Square D®

| Mfg. No.                                      | Advanced ID              | Features                                    | Operator Action                  | Operator Colors      | Type                |
|---|--------------------------|---|----------------------------------|----------------------|---------------------|
| <b>Non-Illuminated Momentary (No Contact)</b> |                          |   |                                  |                      |                     |
| 9001KR1U                                      | <a href="#">88247761</a> | Full Guard                                  | Momentary Push                   | Universal            | Pushbutton Operator |
| 9001KR2U                                      | <a href="#">88247775</a> | Extended Guard                              | Momentary Push                   | Universal            | Pushbutton Operator |
| 9001KR3U                                      | <a href="#">88247783</a> | No Guard                                    | Momentary Push                   | Universal            | Pushbutton Operator |
| <b>Mushroom Operators (No Contact)</b>        |                          |   |                                  |                      |                     |
| 9001KR4R                                      | <a href="#">88247788</a> | 1 3/8 Inch Diameter Snap-In Mushroom Button | Momentary Push                   | Red                  | Mushroom Button     |
| 9001KR4R05                                    | <a href="#">89023613</a> | 1 3/8 Inch Diameter Snap-In Mushroom Button | Momentary Push                   | Red - Emergency Stop | Mushroom Button     |
| 9001KR5R                                      | <a href="#">88247795</a> | 2 1/4 Inch Diameter Snap-In Mushroom Button | Momentary Push                   | Red                  | Mushroom Button     |
| 9001KR5R05                                    | <a href="#">89085539</a> | 2 1/4 Inch Diameter Snap-In Mushroom Button | Momentary Push                   | Red - Emergency Stop | Mushroom Button     |
| 9001KR8R                                      | <a href="#">88247818</a> | Mushroom Head                               | 3-Position Push - Neutral - Pull | Red                  | Mushroom Head       |
| <b>Selector Switches</b>                      |                          |   |                                  |                      |                     |
| 9001KS11B                                     | <a href="#">88247834</a> | Standard Knob                               | 2-Position Selector Switch       | Black                | Manual Return       |
| 9001KS11FB                                    | <a href="#">88247838</a> | Gloved Hand Knob                            | 2-Position Selector Switch       | Black                | Manual Return       |
| 9001KS43B                                     | <a href="#">88247877</a> | Standard Knob                               | 3-Position Selector Switch       | Black                | Manual Return       |
| 9001KS43FB                                    | <a href="#">92113331</a> | Gloved Hand Knob                            | 3-Position Selector Switch       | Black                | Manual Return       |
| 9001KS46B                                     | <a href="#">88247894</a> | Standard Knob                               | 3-Position Selector Switch       | Black                | Manual Return       |
| 9001KS46FB                                    | <a href="#">93176456</a> | Gloved Hand Knob                            | 3-Position Selector Switch       | Black                | Manual Return       |
| 9001KS42B                                     | <a href="#">88247868</a> | Standard Knob                               | 3-Position Selector Switch       | Black                | Manual Return       |
| 9001KS42FB                                    | <a href="#">88247869</a> | Gloved Hand Knob                            | 3-Position Selector Switch       | Black                | Manual Return       |
| 9001KS88B                                     | <a href="#">88247951</a> | Standard Knob                               | 4-Position Selector Switch       | Black                | Spring Return       |
| 9001KS88FB                                    | <a href="#">89030623</a> | Gloved Hand Knob                            | 4-Position Selector Switch       | Black                | Spring Return       |



### 30mm - Pilot Lights

Square D®

| Mfg. No.                            | Advanced ID              | Lamp Type               | Lens Color               |
|-------------------------------------|--------------------------|-------------------------|--------------------------|
| <b>Voltage - 110-120V, 50-60 Hz</b> |                          |                         |                          |
| 9001KP1A9                           | <a href="#">88247659</a> | Incandescent BA 9s bulb | Amber, plastic domed     |
| 9001KP1G31                          | <a href="#">91008382</a> | Incandescent BA 9s bulb | Green, plastic fresnel   |
| 9001KP1R31                          | <a href="#">92040597</a> | Incandescent BA 9s bulb | Red, plastic fresnel     |
| 9001KP1G9                           | <a href="#">88247662</a> | Incandescent BA 9s bulb | Green, plastic domed     |
| 9001KP1R9                           | <a href="#">88247665</a> | Incandescent BA 9s bulb | Red, plastic domed       |
| <b>Voltage - 24-28 VAC/DC</b>       |                          |                         |                          |
| 9001KP35G31                         | <a href="#">93160231</a> | -                       | Green, plastic fresnel   |
| 9001KP35LGG9                        | <a href="#">22096455</a> | -                       | LED Green, plastic domed |
| 9001KP35R31                         | <a href="#">93159428</a> | -                       | Red, plastic fresnel     |
| <b>Voltage - 120 VAC/DC</b>         |                          |                         |                          |
| 9001KP38LGG9                        | <a href="#">22096468</a> | -                       | LED Green, plastic domed |

### 30mm - Legend Plates

Square D®

| Mfg. No.    | Advanced ID              | Dimensions    | Features                 | For Use With   | Legend                       |
|-------------|--------------------------|---------------|--------------------------|--|------------------------------|
| 9001KN200   | <a href="#">88247386</a> | -             | Black                    | Type K Operators / Push Button or Pilot Light                        | Blank - Aluminum             |
| 9001KN201   | <a href="#">88247388</a> | -             | Black                    | Type K Operators / Push Button or Pilot Light                        | Start - Aluminum             |
| 9001KN202   | <a href="#">88247389</a> | -             | Red with Silver Letters  | Type K Operators / Push Button or Pilot Light                        | Stop - Aluminum              |
| 9001KN203   | <a href="#">88247390</a> | -             | Black                    | Type K Operators / Push Button or Pilot Light                        | On - Aluminum                |
| 9001KN206   | <a href="#">88247393</a> | -             | Black                    | Type K Operators / Push Button or Pilot Light                        | Forward - Aluminum           |
| 9001KN207   | <a href="#">88247394</a> | -             | Black                    | Type K Operators / Push Button or Pilot Light                        | Reverse - Aluminum           |
| 9001KN208   | <a href="#">88247395</a> | -             | Black                    | Type K Operators / Push Button or Pilot Light                        | Close - Aluminum             |
| 9001KN209   | <a href="#">88247396</a> | -             | Black                    | Type K Operators / Push Button or Pilot Light                        | Open - Aluminum              |
| 9001KN210   | <a href="#">88247397</a> | -             | Black                    | Type K Operators / Push Button or Pilot Light                        | Down - Aluminum              |
| 9001KN211   | <a href="#">88247398</a> | -             | Black                    | Type K Operators / Push Button or Pilot Light                        | Up - Aluminum                |
| 9001KN214   | <a href="#">88247401</a> | -             | Black                    | Type K Operators / Push Button or Pilot Light                        | High - Aluminum              |
| 9001KN215   | <a href="#">88247402</a> | -             | Black                    | Type K Operators / Push Button or Pilot Light                        | Low - Aluminum               |
| 9001KN223   | <a href="#">88247410</a> | -             | Black                    | Type K Operators / Push Button or Pilot Light                        | Reset - Aluminum             |
| 9001KN244   | <a href="#">88247431</a> | -             | Black                    | Type K Operators   | Off-On - Aluminum            |
| 9001KN245   | <a href="#">88247432</a> | -             | Black                    | Type K Operators<br>/ Selector Switch or Selector Push Button        | On-Off - Aluminum            |
| 9001KN260   | <a href="#">88247446</a> | -             | White with Black Letters | Type K Operators<br>/ Selector Switch or Selector Push Button        | Hand-Off-Auto.<br>- Aluminum |
| 9001KN100WP | <a href="#">88319190</a> | 2 1/4 in. sq. | White with Black Letters | Type K and SK Operators / Push Button or Pilot Light                 | Blank - Plastic              |
| 9001KN101WP | <a href="#">88321848</a> | 2 1/4 in. sq. | Red with Silver Letters  | Type K and SK Operators / Push Button or Pilot Light                 | Start - Plastic              |
| 9001KN102RP | <a href="#">88247373</a> | 2 1/4 in. sq. | White with Black Letters | Type K and SK Operators / Push Button or Pilot Light                 | Stop - Plastic               |
| 9001KN103WP | <a href="#">88321849</a> | 2 1/4 in. sq. | White with Black Letters | Type K and SK Operators / Push Button or Pilot Light                 | On - Plastic                 |
| 9001KN106WP | <a href="#">88321850</a> | 2 1/4 in. sq. | White with Black Letters | Type K and SK Operators / Push Button or Pilot Light                 | Forward - Plastic            |
| 9001KN107WP | <a href="#">88321851</a> | 2 1/4 in. sq. | White with Black Letters | Type K and SK Operators / Push Button or Pilot Light                 | Reverse - Plastic            |
| 9001KN108WP | <a href="#">88285560</a> | 2 1/4 in. sq. | White with Black Letters | Type K and SK Operators / Push Button or Pilot Light                 | Close - Plastic              |
| 9001KN109WP | <a href="#">88285561</a> | 2 1/4 in. sq. | White with Black Letters | Type K and SK Operators / Push Button or Pilot Light                 | Down - Plastic               |
| 9001KN111WP | <a href="#">88293106</a> | 2 1/4 in. sq. | White with Black Letters | Type K and SK Operators / Push Button or Pilot Light                 | Up - Plastic                 |
| 9001KN114WP | <a href="#">88285562</a> | 2 1/4 in. sq. | White with Black Letters | Type K and SK Operators / Push Button or Pilot Light                 | High - Plastic               |
| 9001KN115WP | <a href="#">88285543</a> | 2 1/4 in. sq. | White with Black Letters | Type K and SK Operators / Push Button or Pilot Light                 | Low - Plastic                |
| 9001KN123WP | <a href="#">88321839</a> | 2 1/4 in. sq. | White with Black Letters | Type K and SK Operators / Push Button or Pilot Light                 | Reset - Plastic              |
| 9001KN144WP | <a href="#">88321842</a> | 2 1/4 in. sq. | White with Black Letters | Type K and SK Operators<br>/ Selector Switch or Selector Push Button | Off-On - Plastic             |
| 9001KN145WP | <a href="#">94026643</a> | 2 1/4 in. sq. | White with Black Letters | Type K and SK Operators<br>/ Selector Switch or Selector Push Button | On-Off - Plastic             |
| 9001KN160WP | <a href="#">88321843</a> | 2 1/4 in. sq. | White with Black Letters | Type K and SK Operators<br>/ Selector Switch or Selector Push Button | Hand-Off-Auto.<br>- Plastic  |

### 30mm - Contact Blocks

Square D®

| Mfg. No. | Advanced ID     | Contact Configuration   | Features              | For Use With                   | Type     |
|----------|-----------------|-------------------------|-----------------------|--------------------------------|----------|
| 9001KA1  | <b>88247319</b> | SPDT                    | Clear Cover           | 30mm Pushbuttons K, SK, and KX | Standard |
| 9001KA2  | <b>88247320</b> | SPST N.O                | Green Cover           | 30mm Pushbuttons K, SK, and KX | Standard |
| 9001KA3  | <b>88247321</b> | SPST N.C. Direct Acting | Red Cover             | 30mm Pushbuttons K, SK, and KX | Standard |
| 9001KA4  | <b>88247323</b> | N.O. (early close)      | Screw Clamp Terminals | 30mm Pushbuttons K, SK, and KX | Standard |
| 9001KA5  | <b>88247328</b> | SPST N.C. Late Opening  | Red Cover             | 30mm Pushbuttons K, SK, and KX | Standard |

### 30mm - Lenses and Caps

Square D®

| Mfg. No.   | Advanced ID     | Color  | For Use With                      | Markings       | Type  |
|------------|-----------------|--------|-----------------------------------|----------------|---|
| 9001K16R05 | <b>88247318</b> | Red    | Type KR4 and SKR4                 | None           | 1 <sup>3</sup> / <sub>8</sub> in. Snap-In Mushroom Knob |
| 9001K17R05 | <b>88247201</b> | Red    | Type KR5 and SKR5                 | None           | 2 <sup>1</sup> / <sub>4</sub> in. Snap-In Mushroom Knob |
| 9001G7     | <b>88247013</b> | Green  | Type K1L, K2L, K3L, SK1L and SK2L | None           | Cap for Illuminated Pushbuttons                         |
| 9001R7     | <b>88248374</b> | Red    | Type K1L, K2L, K3L, SK1L and SK2L | None           | Cap for Illuminated Pushbuttons                         |
| 9001R9     | <b>88248376</b> | Red    | Type KP, KT, SKP and SKT          | None           | Lens Domed Plastic Pilot Light                          |
| 9001G9     | <b>88247015</b> | Green  | Type KP, KT, SKP and SKT          | None           | Lens Domed Plastic Pilot Light                          |
| 9001Y9     | <b>88248676</b> | Yellow | Type KP, KT, SKP and SKT          | None           | Lens Domed Plastic Pilot Light                          |
| 9001R24    | <b>88248368</b> | Red    | Type K and SK                     | Arrow on Lever | Knob Gloved Hand Selector Switch                        |
| 9001W24    | <b>88248658</b> | White  | Type K and SK                     | Arrow on Lever | Knob Gloved Hand Selector Switch                        |
| 9001R31    | <b>88248372</b> | Red    | Type KP, KT, SKP and SKT          | None           | Lens Plastic Fresnel for Pilot Light                    |
| 9001G31    | <b>88247011</b> | Green  | Type KP, KT, SKP and SKT          | None           | Lens Plastic Fresnel Pilot Light                        |
| 9001Y31    | <b>88285449</b> | Yellow | Type KP, KT, SKP and SKT          | None           | Lens Plastic Fresnel Pilot Light                        |

### 30mm Push Buttons - Accessories

Square D®

| Mfg. No.   | Advanced ID     | Description                                 | Features                         | For Use With                       |
|------------|-----------------|---|----------------------------------|------------------------------------|
| 9001KM1    | <b>88247347</b> | Light Module, Transformer Type              | -                                | Type K, SK and KX Control Units    |
| 9001KM35   | <b>88247360</b> | Light Module, 24-28V AC / VDC, Full Voltage | -                                | Type K, SK and KX Control Units    |
| 9001K95    | <b>88247317</b> | Ring nut wrench                             | -                                | Type K, SK, KX and J Control Units |
| 9001K52    | <b>88247285</b> | Closing Plate                               | Chrome Plated for 30 mm knockout | 30 mm knockout                     |
| 9001KN9330 | <b>22097530</b> | Emergency stop round yellow legend - 60mm   | Circular Legend                  | Emergency Stop Mushroom Heads      |
| 9001KN8330 | <b>22097526</b> | Emergency stop round yellow legend - 90mm   | Circular Legend                  | Emergency Stop Mushroom Heads      |

## Pressure Switches

### Machine Tool

#### Class 9012

Square D®

Class 9012 single stage pressure switches are control circuit rated devices used in pneumatic or hydraulic systems on a wide variety of machine and process applications to protect the equipment and control or monitor the system pressure.

NOTE: When switches are required to be factory set and only one setting is identified, specify whether this setting is on increasing or decreasing pressure.

| Range on Decreasing Pressure<br>psig  | Approx. Differential At Mid-Range<br>psig | Max. Allowable Pressure<br>psig | Number of Poles †† | Mfg. No.  | Advanced ID              |
|---|---|---------------------------------|--------------------|-----------|--------------------------|
| <b>Non-adjustable Differential*</b>   |   |                                 |                    |           |                          |
| <b>NEMA 4, 4X, 13 Enclosure</b>   |   |                                 |                    |           |                          |
| <b>UL Listed and CSA Certified as Industrial Control Equipment†</b>   |   |                                 |                    |           |                          |
| <b>Diaphragm Actuated - Nitrile (Buna-N) Diaphragm, Zinc Plated Steel Housing</b>   |   |                                 |                    |           |                          |
| .2-10   | .6± .1                                    | 100                             | 1                  | 9012GDW1  | <a href="#">90014786</a> |
| .2-10   | .6± .1                                    | 100                             | 2                  | 9012GDW21 | <a href="#">22098021</a> |
| 1-40  | 1.6± .4                                   | 100                             | 1                  | 9012GDW2  | <a href="#">88249466</a> |
| 1-40  | 1.6± .4                                   | 100                             | 2                  | 9012GDW22 | <a href="#">88249467</a> |
| 1.5-75  | 3.0± .5                                   | 240                             | 1                  | 9012GDW4  | <a href="#">88249471</a> |
| 1.5-75  | 3.0± .5                                   | 240                             | 2                  | 9012GDW24 | <a href="#">88249468</a> |
| 3-150   | 6.0± .8                                   | 475                             | 1                  | 9012GDW5  | <a href="#">88249472</a> |
| 3-150   | 6.0± .8                                   | 475                             | 2                  | 9012GDW25 | <a href="#">88249469</a> |
| 5-250   | 10.0± 1.5                                 | 750                             | 1                  | 9012GDW6  | <a href="#">88249474</a> |
| 5-250   | 10.0± 1.5                                 | 750                             | 2                  | 9012GDW26 | <a href="#">88249470</a> |
| 13-425  | 16± 3.5                                   | 850                             | 1                  | 9012GEW1  | <a href="#">90014786</a> |
| 13-425  | 16± 3.5                                   | 850                             | 2                  | 9012GEW21 | <a href="#">22098047</a> |
| 20-675  | 27± 5                                     | 2000                            | 1                  | 9012GEW2  | <a href="#">88249466</a> |
| 20-675  | 27± 5                                     | 2000                            | 2                  | 9012GEW22 | <a href="#">88249475</a> |
| <b>Piston Actuated - #440 Stainless Steel Piston. #303 Stainless Steel Housing. Fluorocarbon (VITON®) Diaphragm and O-ring. TEFLON® Retaining Ring.</b> |   |                                 |                    |           |                          |
| 20-1000   | 59± 9                                     | 10000                           | 1                  | 9012GFW1  | <a href="#">88249476</a> |
| 20-1000   | 59± 9                                     | 10000                           | 2                  | 9012GFW21 | <a href="#">91006509</a> |
| 90-2900   | 170± 15                                   | 15000                           | 1                  | 9012GFW2  | <a href="#">88249478</a> |
| 90-2900   | 170± 15                                   | 15000                           | 2                  | 9012GFW22 | <a href="#">94007924</a> |
| 170-5600  | 289± 55                                   | 20000                           | 1                  | 9012GFW3  | <a href="#">90079784</a> |
| 170-5600  | 289± 55                                   | 20000                           | 2                  | 9012GFW23 | <a href="#">22098055</a> |
| 270-9000  | 495± 70                                   | 25000                           | 1                  | 9012GFW4  | <a href="#">93162834</a> |
| 270-9000  | 495± 70                                   | 25000                           | 2                  | 9012GFW24 | <a href="#">96013345</a> |
| <b>Adjustable Differential*</b>   |   |                                 |                    |           |                          |
| <b>NEMA 4, 4X, 13 Enclosure</b>   |   |                                 |                    |           |                          |
| <b>UL Listed and CSA Certified As Industrial Control Equipment†</b>   |   |                                 |                    |           |                          |
| <b>Diaphragm Actuated - Nitrile (Buna-N) Diaphragm, Zinc Plated Steel Housing</b>   |   |                                 |                    |           |                          |
| .2-10   | .6-2                                      | 100                             | 1                  | 9012GAW1  | <a href="#">88285106</a> |
| .2-10   | .6-2                                      | 100                             | 2                  | 9012GAW21 | <a href="#">91034995</a> |
| 1-40  | 1.6-8                                     | 100                             | 1                  | 9012GAW2  | <a href="#">88249446</a> |
| 1-40  | 1.6-8                                     | 100                             | 2                  | 9012GAW22 | <a href="#">88249447</a> |
| 1.5-75  | 3.5-15                                    | 240                             | 1                  | 9012GAW4  | <a href="#">88249450</a> |
| 1.5-75  | 3.5-15                                    | 240                             | 2                  | 9012GAW24 | <a href="#">88249448</a> |
| 3-150   | 6.0-30                                    | 475                             | 1                  | 9012GAW5  | <a href="#">88249451</a> |
| 3-150   | 6.0-30                                    | 475                             | 2                  | 9012GAW25 | <a href="#">88249449</a> |
| 5-250   | 10.0-49                                   | 750                             | 1                  | 9012GAW6  | <a href="#">88249453</a> |
| 5-250   | 10.0-49                                   | 750                             | 2                  | 9012GAW26 | <a href="#">88318597</a> |
| 13-425  | 16-90                                     | 850                             | 1                  | 9012GBW1  | <a href="#">88249454</a> |
| 13-425  | 16-90                                     | 850                             | 2                  | 9012GBW21 | <a href="#">88249456</a> |
| 20-675  | 27-130                                    | 2000                            | 1                  | 9012GBW2  | <a href="#">88249455</a> |
| 20-675  | 27-130                                    | 2000                            | 2                  | 9012GBW22 | <a href="#">88249457</a> |

Continued ►

### Pressure Switches

#### Machine Tool

#### Class 9012

Square D®

| Range on Decreasing Pressure<br>psig   | Approx. Differential At Mid-Range<br>psig | Max. Allowable Pressure<br>psig | Number of Poles†† | Mfg. No.  | Advanced ID              |
|--|---|---------------------------------|-------------------|-----------|--------------------------|
| <b>UL Listed and CSA Certified As Industrial Control Equipment†</b>  |   |                                 |                   |           |                          |
| <b>Piston Actuated - #440 Stainless Steel Piston. #303 Stainless Steel Housing, Fluorocarbon (VITON®) Diaphragm and O-ring, TEFLON® Retaining Ring</b> |   |                                 |                   |           |                          |
| 20-1000  | 59-200                                    | 10000                           | 1                 | 9012GCW1  | <a href="#">88249460</a> |
| 20-1000  | 59-200                                    | 10000                           | 2                 | 9012GCW21 | <a href="#">88249463</a> |
| 90-2900  | 170-560                                   | 15000                           | 1                 | 9012GCW2  | <a href="#">88249462</a> |
| 90-2900  | 170-560                                   | 15000                           | 2                 | 9012GCW22 | <a href="#">88249464</a> |
| 170-5600   | 289-1260                                  | 20000                           | 1                 | 9012GCW3  | <a href="#">88249465</a> |
| 170-5600   | 289-1260                                  | 20000                           | 2                 | 9012GCW23 | <a href="#">92037279</a> |
| 270-9000   | 495-1900                                  | 25000                           | 1                 | 9012GCW4  | <a href="#">91006455</a> |
| 270-9000   | 495-1900                                  | 25000                           | 2                 | 9012GCW24 | <a href="#">91035003</a> |

\*For metric threads, add M after the W on all types.

†UL Marine Listed for use on ships/vessels greater than 65 feet long where ignition protection is not required. Also UL listed for use in Class II, Division 2, Group G and Class III hazardous locations.

††All units are double throw.

# Heavy Duty, Turret Head

## Class 9007 - Type C

Square D®

All Type C Switches Are Rated NEMA 6P and UL Type 6P

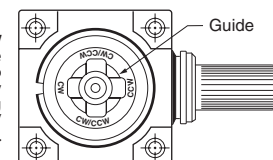
| Select Basic Switch                                     | Contacts   | Lever Arm Type                    |                                |                                   |                                |  |                        | Side Plunger Type  |                                     |  |  |
|---|--|-----------------------------------|--------------------------------|-----------------------------------|--------------------------------|--|------------------------|--|-------------------------------------|--|--|
|   |  | Standard Pre-travel Spring Return | Low Differential Spring Return | Neutral Position                  |                                | Extra Light Operating Torque Spring Return | Maintained Contact     | Side Roller Plunger Spring Return Vertical Roller † Type | Side Push Rod Plunger Spring Return | Side Push Rod Plunger Adjustable ‡ Spring Return | Side Push Rod Plunger Maintained Contact |
|   |  |                                   |                                | Standard Pre-travel Spring Return | Low Differential Spring Return |  |                        |  |                                     |  |  |
| Type  | Type   | Type                              | Type                           | Type                              | Type                           | Type                                       | Type                   | Type   | Type                                |  |  |
| Standard Box Plug-in                                    | 1 N.O.<br>1 N.C.   | 9007C54B2<br>88248893             | 9007C54A2<br>88248890          | —                                 | —                              | 9007C54N2<br>88248911                      | 9007C54C<br>88248896   | 9007C54F<br>88248900                                     | 9007C54G<br>88248902                | 9007C54GD<br>—                                   | 9007C54H<br>88248904                     |
|   | 2 N.O.<br>2 N.C.   | 9007C62B2<br>88248920             | 9007C62A2<br>88248916          | —                                 | —                              | 9007C62N2<br>88248935                      | 9007C62C<br>88248922   | 9007C62F<br>88248926                                     | 9007C62G<br>88248927                | 9007C62GD<br>88248928                            | 9007C62H<br>88248929                     |
|   | 2 N.O.—2 N.C.<br>Neutral Position  | —                                 | —                              | 9007C68T10<br>88318653            | 9007C68T5<br>88320918          | —  | —                      | —  | —                                   | —  | —  |
|   | 2 N.O.—2 N.C.<br>Two Stage   | 9007C66B2<br>88248940             | 9007C66A2<br>88248938          | —                                 | —                              | 9007C66N2<br>88248952                      | —                      | 9007C66F<br>88248944                                     | 9007C66G<br>88248945                | 9007C66GD<br>88248946                            | —  |
| Compact Box Plug-in                                     | 1 N.O.<br>1 N.C.   | 9007C52B2<br>88248872             | 9007C52A2<br>88248870          | —                                 | —                              | 9007C52N2<br>88248886                      | 9007C52C<br>88248873   | 9007C52F<br>88248877                                     | 9007C52G<br>88248878                | 9007C52GD<br>88248879                            | 9007C52H<br>88248880                     |
|   | UL Listed for Hazardous Location Division I Class I Groups B,C,D Class II Groups E, F and G  | 1 N.O.<br>1 N.C.                  | 9007CR53B2<br>88249096         | 9007CR53A2<br>88249095            | —                              | —  | 9007CR53N2<br>88249110 | 9007CR53C<br>88249097                                    | 9007CR53F<br>88249101               | 9007CR53G<br>88249102                            | 9007CR53GD<br>88249103                   |
| Flush Mounting  | 2 N.O.<br>2 N.C.   | 9007CR61B2<br>88249113            | 9007CR61A2<br>88249112         | —                                 | —                              | 9007CR61N2<br>88249127                     | 9007CR61C<br>88249114  | 9007CR61F<br>88249118                                    | 9007CR61G<br>88249119               | 9007CR61GD<br>88249120                           | 9007CR61H<br>88249121                    |
|   | 2 N.O.—2 N.C.<br>Neutral Position  | —                                 | —                              | 9007CR67T10<br>95078122           | 9007CR67T5<br>22097837         | —  | —                      | —  | —                                   | —  | —  |
|   | 2 N.O.—2 N.C.<br>Two Stage   | 9007CR65B2<br>88249130            | 9007CR65A2<br>88259129         | —                                 | —                              | 9007CR65N2<br>88249142                     | —                      | 9007CR65F<br>88249134                                    | 9007CR65G<br>88249135               | 9007CR65GD<br>88249136                           | —  |
| Head Only   | 1 N.O.<br>1 N.C.   | 9007CF53B2<br>88249046            | 9007CF53A2<br>88249045         | —                                 | —                              | 9007CF53N2<br>88249051                     | 9007CF53C<br>88249047  | 9007CF53F<br>88249048                                    | 9007CF53G<br>88249049               | —  | 9007CF53H<br>88249050                    |
|   | 2 N.O.<br>2 N.C.   | 9007CF61B2<br>88249053            | 9007CF61A2<br>88249052         | —                                 | —                              | 9007CF61N2<br>88249058                     | 9007CF61C<br>88249054  | 9007CF61F<br>88249055                                    | 9007CF61G<br>88249056               | —  | 9007CF61H<br>88249057                    |
|   | 2 N.O.—2 N.C.<br>Neutral Position  | —                                 | —                              | 9007CF67T10<br>22094960           | 9007CF67T5<br>—                | —  | —                      | —  | —                                   | —  | —  |
|   | 2 N.O.—2 N.C.<br>Two Stage   | 9007CF65B2<br>88249060            | 9007CF65A2<br>88249059         | —                                 | —                              | 9007CF65N2<br>88249063                     | —                      | 9007CF65F<br>88249061                                    | 9007CF65G<br>88249062               | —  | —  |
| Nominal Operating Data                                  | Type Number  | B<br>43.50                        | A<br>53.00                     | T10<br>43.50                      | T5<br>53.00                    | N<br>72.30                                 | C<br>72.30             | F<br>87.00   | G<br>67.50                          | GD<br>76.50                                      | H<br>96.00                               |
|   | Pre-travel   | 10°                               | 5°                             | 10°                               | 5°                             | 10°  | 45°                    | 0.08"  |                                     | 0.14"  |  |
|   | Pre-travel Two Stage   | First Stage                       | 10°                            | 5°                                | —                              | —  | 10°                    | —  | 0.08"                               |  | —  |
|   |  | First to Second Stage             | 2 1/2°                         | 1 1/2°                            | —                              | —  | 2 1/2°                 | —  | 0.02"                               |  | —  |
|   | Total Travel   | 90°                               | 90°                            | 90°                               | 90°                            | 90°  | 90°                    | 0.25"  |                                     | 0.25"  |  |
|   | Differential   | 4°                                | 2°                             | 4°                                | 2°                             | 4°   | —                      | 0.03"  |                                     | —  |  |
|   | Reverse Overtravel   | 90°                               | 90°                            | 90°                               | 90°                            | 90°  | —                      | —  |                                     | —  |  |
| Operating Torque/Force—1 Pole & 2 Pole                  | 4 in-lb  | 4 in-lb                           | 4 in-lb                        | 4 in-lb                           | 25 in-oz                       | 3 in-lb                                    | 4 lbs.                 |  | 7 lbs.                              |  |  |
| Repeat Accuracy—Linear travel of cam (1 1/2" lever arm) | ± 0.002"   | ± 0.001"                          | ± 0.002"                       | ± 0.002"                          | ± 0.002"                       | ± 0.002"                                   | 0.001"                 |  | —                                   |  |  |
| Plug-in Replacement Units                               | To order basic switch and head less the plug-in receptacle base, substitute the letters "CO" for the first "C" in the type number. Example: Open type replacement for Type 9007C54B2 is Type 9007CO54B2. |                                   |                                |                                   |                                |  |                        |  |                                     |  |  |

\* These devices are factory set to operate the contacts in both the CW and CCW directions. Mode of operation is field convertible to CW only or CCW only. To order factory converted devices—for CCW only operation, change the "2" at the end of the type number to "1" (Example: 9007C54B2 becomes 9007C54B1); for CW only operation, delete the "2" at the end of the type number (Example: 9007C54B2 becomes 9007C54B).

† Can be converted to horizontal roller type in the field. To order horizontal roller version add the letter "H" at the end of the equivalent vertical roller version type number (Example: 9007C54F would become 9007C54FH).

‡ To lock the nut in the desired position, crimp the slot near the bottom of the nut.

**Selection Mode Arrow Mode Change—Lever Arm Type**  
Mode of operation is easily convertible to clockwise, counterclockwise, or both. Simply point the arrow to the letters representing the desired direction—CW, CCW, or CW/CCW. All parts are captive.



### Lever Arms - Types AW and C

#### Class 9007

Square D®

Standard roller is hardened oil-impregnated sintered iron.

#### Cast Zinc Lever Arms

| Length of Arm (A) | Roller                               |          |                                      |          |                                      |          |                                      |          |                                   |          |                                   |          |                                   |          |                                   |          |   |
|-------------------|--------------------------------------|----------|--------------------------------------|----------|--------------------------------------|----------|--------------------------------------|----------|-----------------------------------|----------|-----------------------------------|----------|-----------------------------------|----------|-----------------------------------|----------|---|
|                   | Standard 3/4" Dia. (B) 1/4" Wide (C) |          | Standard 3/4" Dia. (B) 5/8" Wide (C) |          | Standard 5/8" Dia. (B) 1/4" Wide (C) |          | Standard 5/8" Dia. (B) 5/8" Wide (C) |          | Nylon 3/4" Dia. (B) 1/4" Wide (C) |          | Nylon 5/8" Dia. (B) 1/4" Wide (C) |          | Nylon 5/8" Dia. (B) 5/8" Wide (C) |          | Nylon * 1" Dia. (B) 5/8" Wide (C) |          |   |
|                   | Type                                 | GBID     | Type                                 | GBID     | Type                                 | GBID     | Type                                 | GBID     | Type                              | GBID     | Type                              | GBID     | Type                              | GBID     | Type                              | GBID     |   |
| 7/8"              | —                                    | —        | —                                    | —        | —                                    | AA1      | 88248725                             | AA2      | 88248727                          | —        | —                                 | AA8      | 88248729                          | AA17     | 88248726                          | —        | — |
| 1 1/8"            | BA11                                 | 88248820 | BA12                                 | 88248822 | BA1                                  | 88248819 | BA2                                  | 88248829 | BA18                              | 88248826 | BA8                               | 88248835 | BA17                              | 88248825 | BA13                              | 88248823 |   |
| 1 1/2"            | MA11                                 | 88249269 | MA12                                 | 88249271 | MA1                                  | 88249268 | MA2                                  | 88249278 | MA18                              | 88249275 | MA8                               | 88249283 | MA17                              | 88249274 | MA13                              | 88249272 |   |
| 2"                | CA11                                 | 88249023 | CA12                                 | 88249025 | CA1                                  | 88249022 | CA2                                  | 88249032 | CA18                              | 88249029 | CA8                               | 88249038 | CA17                              | 88249028 | CA13                              | 88249026 |   |
| 2 1/2"            | DA11                                 | 88249157 | DA12                                 | 88249158 | DA1                                  | 88249156 | DA2                                  | 88249165 | DA18                              | 88249162 | DA8                               | 88249173 | DA17                              | 88249161 | DA13                              | 88249159 |   |
| 3"                | EA11                                 | 88249181 | EA12                                 | 88249182 | EA1                                  | 88249180 | EA2                                  | 88249189 | EA18                              | 88249185 | EA8                               | 88249197 | EA17                              | 88285386 | EA13                              | 88249183 |   |

| Length of Arm (A) | Roller                          |          |   |          |  |          |  |          |  |          |                |          |   |          |   |          |
|-------------------|---------------------------------|----------|---|----------|--|----------|--|----------|--|----------|----------------|----------|---|----------|---|----------|
|                   | Nylon 1" Dia. (B) 1/4" Wide (C) |          | Ball Bearing 1 1/16" Dia. (B) 1/4" Wide (C) |          | Standard 3/4" Dia. (B) 1/4" Wide (C) Roller on Opposite Side to Standard |          | Standard 5/8" Dia. (B) 1/4" Wide (C) Roller on Opposite Side to Standard |          | Standard 5/8" Dia. (B) 5/8" Wide (C) Roller on Opposite Side to Standard |          | Without Roller |          | Standard 3/4" Dia. (B) 1/4" Wide (C) (Countersunk Roller Pin) |          | Cable Operated With Eyebolt (3/8" I.D.) Instead of Roller |          |
|                   | Type                            | GBID     | Type  | GBID     | Type   | GBID     | Type   | GBID     | Type   | GBID     | Type           | GBID     | Type  | GBID     | Type  | GBID     |
| 7/8"              | —                               | —        | AA9   | 88248730 | —  | —        | AA5  | 88248728 | AA6  | —        | AA0            | —        | —   | —        | —   | —        |
| 1 1/8"            | BA4                             | 88248832 | BA9   | 88248836 | BA15   | 88248824 | BA5  | 88248817 | BA6  | 91034969 | BA0            | 88318595 | —   | —        | —   | —        |
| 1 1/2"            | MA4                             | 88249281 | MA9   | 88249284 | MA15   | 88249273 | MA5  | 92099456 | MA6  | 92099459 | MA0            | 92099458 | MA31  | 92114371 | MA22  | 88249279 |
| 2"                | CA4                             | 88249034 | CA9   | 88249039 | CA15   | 88249027 | CA5  | 88249035 | CA6  | 88249036 | CA0            | 88249036 | CA31  | 91034984 | —   | —        |
| 2 1/2"            | DA4                             | 88249168 | DA9   | 92115067 | DA15   | 88249160 | DA5  | 88249170 | DA6  | 88249171 | DA0            | 92099461 | DA31  | 94038774 | —   | —        |
| 3"                | EA4                             | 88249193 | EA9   | 88249198 | EA15   | 88249184 | EA5  | 88249195 | EA6  | 88249196 | EA0            | 92099460 | —   | —        | —   | —        |

#### Flat Steel Lever Arms

| Length of Arm (A) | Roller                               |          |                                      |          |                                   |          |                                 |      |      |          |
|-------------------|--------------------------------------|----------|--------------------------------------|----------|-----------------------------------|----------|---------------------------------|------|------|----------|
|                   | Standard 5/8" Dia. (B) 1/4" Wide (C) |          | Standard 5/8" Dia. (B) 5/8" Wide (C) |          | Nylon 3/4" Dia. (B) 1/4" Wide (C) |          | Nylon 1" Dia. (B) 1/4" Wide (C) |      | None |          |
|                   | Type                                 | GBID     | Type                                 | GBID     | Type                              | GBID     | Type                            | GBID | Type | GBID     |
| 7/8"              | AA15                                 | 88285397 | AA25                                 | 92099462 | —                                 | —        | —                               | —    | AA05 | —        |
| 1 1/8"            | BA15                                 | 88248828 | BA25                                 | 88248830 | —                                 | —        | —                               | —    | BA05 | —        |
| 1 1/2"            | —                                    | —        | —                                    | —        | MA18S                             | 92114317 | —                               | —    | —    | —        |
| 2"                | CA15                                 | 88249031 | CA25                                 | 88249020 | —                                 | —        | —                               | —    | CA05 | —        |
| 2 1/2"            | DA15                                 | 88249164 | DA25                                 | 88249166 | —                                 | —        | —                               | —    | DA05 | —        |
| 3"                | EA15                                 | —        | EA25                                 | 88249190 | —                                 | —        | —                               | —    | EA05 | 88249199 |

#### 90° Forked Cast Zinc Lever Arms

| Roller Position          | Roller                                       |  |   |   |   |
|--------------------------|--|--|---|---|---|
|                          | Standard 3/4" Dia. (B) 1/4" Wide (C) Rollers | Standard 5/8" Dia. (B) 1/4" Wide (C) Rollers | Nylon 3/4" Dia. (B) 1/4" Wide (C) Rollers | Nylon 3/4" Dia. (B) 1" Wide (C) Rollers | Ball Bearing 1 1/16" Dia. (B) 1/4" Wide (C) Rollers |
|                          | Type   | Type   | Type                                      | Type                                    | Type  |
| Rollers on Same Side     | 9007LA4<br>88249263                          | 9007LA1<br>88249254                          | 9007LA16<br>88249258                      | 9007LA10<br>88249255                    | 9007LA7<br>88249266                                 |
| R.H. Roller on Opp. Side | 9007LA5<br>88249264                          | 9007LA2<br>88249261                          | 9007LA17<br>88249259                      | 9007LA11<br>88249256                    | 9007LA8<br>—  |
| L.H. Roller on Opp. Side | 9007LA6<br>88249265                          | 9007LA3<br>88249262                          | 9007LA18<br>—                             | 9007LA12<br>88249257                    | 9007LA9<br>88249267                                 |

#### One-Way Cast Zinc Roller Lever Arm

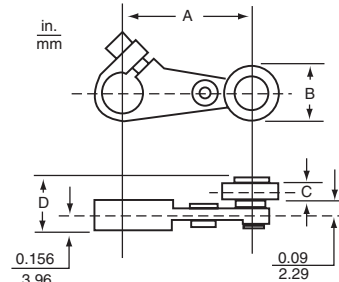
| Length of Arm | 1 1/4" Dia. (B) 1/4" Wide (C) Roller |          |                |          |
|---------------|--------------------------------------|----------|----------------|----------|
|               | Cast Arm                             |          | Flat Steel Arm |          |
|               | Type                                 | GBID     | Type           | GBID     |
| 1 3/8"        | 9007BA3                              | 88248831 | 9007BA3S       | 91034968 |
| 1 1/2"        | 9007MA3                              | 88249280 | —              | —        |
| 2"            | 9007CA3                              | 88249033 | 9007CA3S       | 92099362 |
| 2 1/2"        | 9007DA3                              | 88249167 | 9007DA3S       | —        |
| 3"            | 9007EA3                              | 88249191 | 9007EA3S       | 88249192 |

#### One-Way Lever Arms

| Length of Arm | Roller                               |          |                                   |      |   |          |          |          |
|---------------|--------------------------------------|----------|-----------------------------------|------|---|----------|----------|----------|
|               | Standard 3/4" Dia. (B) 1/4" Wide (C) |          | Nylon 3/4" Dia. (B) 1/4" Wide (C) |      | Ball Bearing 1 1/16" Dia. (B) 1/4" Wide (C) |          | Rod Type |          |
|               | Type                                 | GBID     | Type                              | GBID | Type  | GBID     | Type     | GBID     |
| 1 1/2"        | RA11                                 | 88249308 | RA18                              | —    | RA9   | 88249309 | —        | —        |
| 5"            | —                                    | —        | —                                 | —    | —   | —        | FA2      | 88249206 |

#### Offset Type Cast Zinc Lever Arms

| Std. Roller  | Type     |           | GBID     |
|--------------|----------|-----------|----------|
|              | Dia. (B) | Width (C) |          |
| 5/8"         | 1/4"     | KA1       | 88249245 |
| 5/8"         | 5/8"     | KA2       | 88249249 |
| 3/4"         | 1/4"     | KA11      | 88249246 |
| 3/4"         | 5/8"     | KA12      | 88249247 |
| Ball Bearing |          | KA9       | 92036685 |
| Nylon        |          | KA18      | 88249248 |
| 3/4"         |          | KA21      | 88249250 |
| Std. Roller  |          | Type      | GBID     |
| 3/4"         | 1/4"     | KB11      | 88249251 |
| 3/4"         | 1/4"     | KB15 †    | 91034993 |



#### Cast Zinc Lever Arm Dimensions

A = Length of Lever Arm  
 B = Roller Diameter  
 C = Roller Width  
 D = C + 5/16"

Approximate shipping weights range from 1/8 lb. to 1/4 lb.

\* Recommended in place of Types BA7, CA7, DA7, EA7 and MA7 lever arms with steel rollers.  
 † Roller inside.

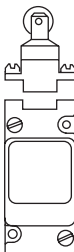













# Heavy Duty, Turret Head

## Class 9007 - Type C

Square D®

All Type C Switches Are Rated NEMA 6P And UL Type 6P

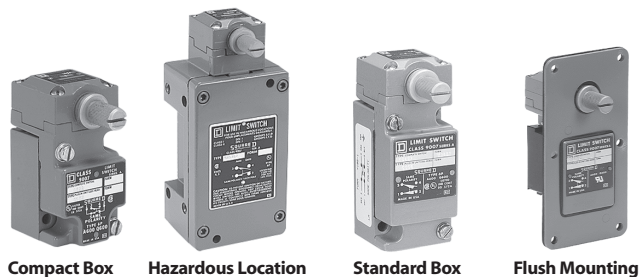
| Select Turret Head  | Top Plunger Type  |   |   |   | Wobble Stick Type   |   |  |   |   |   | Plug-in Unit Less Head  | Plug-in Receptacle Only |   |
|---|---|---|---|---|---|---|--|---|---|---|---|-------------------------|---|
|   | Top Roller Plunger Spring Return  | Top Push Rod Plunger Spring Return  | Top Push Rod Plunger Adjustable † Spring Return                                   | Palm Operated *   | Universal **  | Wobble Stick DELRIN ‡ Extension **  | Wobble Stick Wire Extension **   | Wobble Stick Coil Spring Extension **   | Cat Whisker   |   |   |                         |   |
|            |    |  |  |  |  |  |  |  |  |  |  |                         |   |
| Select Basic Switch   | Contacts  | Type  | Type  | Type  | Type  | Type  | Type   | Type  | Type  | Type  | Type  | Type                    |   |
| Standard Box Plug-in  | 1 N.O.<br>1 N.C.  | 9007C54D<br>88248897  | 9007C54E<br>88248898  | 9007C54ED<br>88248899   | 9007C54R*<br>88248913   | 9007C54JKC<br>88248906  | 9007C54J<br>88248905   | 9007C54K<br>88248907  | 9007C54KC<br>88248908   | 9007C54L<br>88248909  | 9007C054<br>88249067  | 9007CT54<br>88249146    |   |
|   | 2 N.O.<br>2 N.C.  | 9007C62D<br>88248923  | 9007C62E<br>88248924  | 9007C62ED<br>88248925   | 9007C62R*<br>88248936   | 9007C62JKC<br>88248931  | 9007C62J<br>88248930   | 9007C62K<br>88248932  | 9007C62KC<br>88248933   | 9007C62L<br>88248934  | 9007C062<br>88249078  | 9007CT62<br>88249147    |   |
|   | 2 N.O.—2 N.C.<br>Neutral Position   | —   | —   | —   | —   | —   | —  | —   | —   | —   | 9007C068<br>92099359  | 9007CT62<br>88249147    |   |
|   | 2 N.O.—2 N.C.<br>Two Stage  | 9007C66D<br>88248941  | 9007C66E<br>88248942  | 9007C66ED<br>88248943   | 9007C66R*<br>88248953   | 9007C66JKC<br>88248948  | 9007C66J<br>88248947   | 9007C66K<br>92049119  | 9007C66KC<br>88248950   | 9007C66L<br>88248951  | 9007C066<br>88249085  | 9007CT62<br>88249147    |   |
| Compact Box Plug-in   | 1 N.O.<br>1 N.C.  | 9007C52D<br>88248874  | 9007C52E<br>88248875  | 9007C52ED<br>88248876   | 9007C52R*<br>88248887   | 9007C52JKC<br>88248882  | 9007C52J<br>88248881   | 9007C52K<br>88248883  | 9007C52KC<br>88248884   | 9007C52L<br>88248885  | 9007C052<br>88249066  | 9007CT52<br>88249145    |   |
| UL Listed for Hazardous Location Division I Class I Groups B,C,D Class II Groups E, F and G | 1 N.O.<br>1 N.C.  | 9007CR53D<br>88249098   | 9007CR53E<br>88249099   | 9007CR53ED<br>88249100  | 9007CR53R*<br>88249111  | 9007CR53JKC<br>88249106   | 9007CR53J<br>88249105  | 9007CR53K<br>88249107   | 9007CR53KC<br>88249108  | 9007CR53L<br>88249109   | —   | —                       |   |
|   | 2 N.O.<br>2 N.C.  | 9007CR61D<br>88249115   | 9007CR61E<br>88249116   | 9007CR61ED<br>88249117  | 9007CR61R*<br>88249128  | 9007CR61JKC<br>88249123   | 9007CR61J<br>88249122  | 9007CR61K<br>88249124   | 9007CR61KC<br>88249125  | 9007CR61L<br>88249126   | —   | —                       |   |
|   | 2 N.O.—2 N.C.<br>Neutral Position   | —   | —   | —   | —   | —   | —  | —   | —   | —   | —   | —                       |   |
|   | 2 N.O.—2 N.C.<br>Two Stage  | 9007CR65D<br>88249131   | 9007CR65E<br>88249132   | 9007CR65ED<br>88249133  | 9007CR65R*<br>88249143  | 9007CR65JKC<br>88249138   | 9007CR65J<br>—   | 9007CR65K<br>88249139   | 9007CR65KC<br>88249140  | 9007CR65L<br>88249141   | —   | —                       |   |
| Head Only   | Type Number   | D<br>67.40  | E<br>57.90  | ED<br>67.40   | R*<br>57.90   | JKC<br>43.50  | J<br>57.90   | K<br>57.90  | KC<br>57.90   | L<br>19.10  | —   | —                       |   |
| Nominal Operating Data  | Pre-travel  | 0.08"   |   |   | 10° (Any Direction)   |   |  |   | 20°   |   | —   | —                       |   |
|   | Pre-travel Two Stage  | First Stage   | 0.08"   |   |   | 10° (Any Direction)   |  |   |   | 20°   |   | —                       | — |
|   |   | First to Second Stage   | 0.01"   |   |   | 4°  |  |   |   | 5°  |   | —                       | — |
|   | Total Travel  | 0.25"   |   |   | 90°   |   |  |   | 90°   |   | —   | —                       |   |
|   | Differential  | 0.02"   |   |   | 3°  |   |  |   | 6°  |   | —   | —                       |   |
|   | Reverse Overtravel  | —   |   |   | —   |   |  |   | —   |   | —   | —                       |   |
|   | Operating Torque/Force—1 Pole and 2 Pole  | 3 lbs.  |   |   | 3 in-lb   |   |  |   | 7 in-oz   |   | —   | —                       |   |
| Repeat Accuracy—Linear travel of cam  | ± 0.001"  |   |   | —   |   |   |  | —   |   | —   | —   |                         |   |
| Plug-in Replacement Units   | To order basic switch and head less the plug-in receptacle base, substitute the letters "CO" for the first "C" in the type number. <b>Example:</b> Open type replacement for Type 9007C54D is Type <b>9007CO54D</b> . |   |   |   |   |   |  |   |   |   |   |                         |   |

\* Price does not include mushroom button. Must be ordered separately.  
 † To lock the nut in the desired position, crimp the slot near the bottom of the nut.  
 ‡ DELRIN is a registered trademark of DuPont.  
 \*\* Wobble stick extensions are available separately for the universal head or as replacements for complete devices as follows:

| Description           | Type |
|-----------------------|------|
| DELRIN extension      | WJ   |
| Wire extension        | WK   |
| Coil Spring extension | WKC  |

Types C and CF  File CCN E42259 NKCR  File Class LR25490 3211-03 

Type CR  File CCN E10054 NOIV  File Class LR26817 3218-02



Compact Box Hazardous Location Standard Box Flush Mounting

### Pressure Switches

#### Commercial

#### Type F Class 9013

#### PUMPTROL® Pressure Switches

Square D®

##### Features

- Designed for the Control of Electrically Driven Water Pumps and Air Compressors. The Class 9013 Type F Devices Cover Higher Electrical Ratings for Direct Control of Motors in Pump and Compressor Applications
- Contacts Open on Pressure Rise
- Diaphragm Actuated



##### Selection Process:

1. Specify Mfg. No. from table below.
2. Select pressure code from pressure code table below and add code designation to end of Mfg. No. Be sure that the pressure code falls within the limits of the device as shown in the device listings.
3. If special features are desired, add the appropriate form letter to the Mfg. No. Arrange form letters in alphabetical sequence when ordering more than one special feature.

| Cut-Out Range (psig)                                     | Approx. Adjustable Differential (psig) | Cut-in Range (psig) | Pressure Connection       | Number of Poles | Mfg. No.  |
|--|--|---------------------|---------------------------|-----------------|-----------|
| <b>Standard Action: Contacts Open On Rising Pressure</b> |  |                     |                           |                 |           |
| <b>NEMA Type 1</b>                                       |  |                     |                           |                 |           |
| 20-65  | 15-30                                  | 10-45               | 1/8 in. NPSF Internal     | 2               | 9013FSG1  |
| 20-65  | 15-30                                  | 10-45               | 1/4 in. NPSF Internal     | 2               | 9013FSG2  |
| 20-65  | 15-30                                  | 10-45               | 1/4 in. NPT External      | 2               | 9013FSG9  |
| 20-65  | 15-30                                  | 10-45               | 1/4 in. Bayonet (barbed)  | 2               | 9013FSG10 |
| 20-65  | 15-30                                  | 10-45               | 90° Elbow 1/4 in. Bayonet | 2               | 9013FSG20 |
| 20-50  | 10-30                                  | 10-30               | 1/4 in. NPSF Internal     | 2               | 9013FSG22 |
| 20-60  | 10-30                                  | 10-45               | 1/4 in. NPT External      | 2               | 9013FSG29 |
| 9-30   | 6-20                                   | 3-10                | 1/4 in. NPSF Internal     | 2               | 9013FSG42 |
| 9-30   | 6-20                                   | 3-10                | 1/4 in. NPT External      | 2               | 9013FSG49 |

##### PRESSURE CODE TABLE

| Settings          | Code | Settings          | Code | Settings               | Code |
|-------------------|------|-------------------|------|------------------------|------|
| <b>Close-Open</b> |      | <b>Close-Open</b> |      | <b>Close-Open</b>      |      |
| 5-21 psi          | J15  | 30-50 psi         | J21  | 60-80 psi              | J25  |
| 8-20 psi          | J16  | 40-60 psi         | J24  | Specify other pressure | J99  |
| 20-40 psi         | J20  | 50-70 psi         | J33  |                        |      |
| 20-50 psi         | J18  | 55-85 psi         | J34  |                        |      |

## Pressure Switches

### Commercial

### Type G Class 9013

### PUMPTROL® Pressure Switches

Square D®

#### Features

- Designed for the Control of Electrically Driven Water Pumps and Air Compressors. The Class 9013 Type G Devices Cover Higher Electrical Ratings for Direct Control of Motors in Pump and Compressor Applications
- Contacts Open on Pressure Rise
- Diaphragm Actuated



#### Selection Process:

1. Specify Mfg. No. from tables below.
2. Select pressure code from pressure code table below and add code designation to end of Mfg. No. Be sure that the pressure code falls within the limits of the device as shown in the device listings.
3. If special features are desired, add the appropriate form letter to the Mfg. No. Arrange form letters in alphabetical sequence when ordering more than one special feature.

| Cut-Out Range (psig)               | Approx. Adjustable Differential (psig) | Cut-in Range (psig)   | Pressure Connection | Number of Poles | Mfg. No. |
|------------------------------------|--|---|---------------------|-----------------|----------|
| <b>NEMA Type 1 General Purpose</b> |  |   |                     |                 |          |
| 10-35                              | 4-8                                    | 5 <sup>1</sup> / <sub>2</sub> -30 <sup>1</sup> / <sub>2</sub> | 1/4                 | 2               | 9013GMG2 |
| 20-80                              | 15-30                                  | 5-60  | 1/8                 | 2               | 9013GSG1 |
| 20-80                              | 15-30                                  | 5-60  | 1/4                 | 2               | 9013GSG2 |
| 20-80                              | 15-30                                  | 5-60  | 3/8                 | 2               | 9013GSG3 |
| 65-200                             | 20-40                                  | 40-170  | 1/8                 | 2               | 9013GHG1 |
| 65-200                             | 20-40                                  | 40-170  | 1/4                 | 2               | 9013GHG2 |
| 65-200                             | 20-40                                  | 40-170  | 3/8                 | 2               | 9013GHG3 |
| 80-250                             | 24-45                                  | 32-215  | 1/8                 | 2               | 9013GHG4 |
| 80-250                             | 24-45                                  | 32-215  | 1/4                 | 2               | 9013GHG5 |
| 80-250                             | 24-45                                  | 32-215  | 3/8                 | 2               | 9013GHG6 |
| <b>NEMA Type 3R* Rainproof</b>     |  |   |                     |                 |          |
| 20-80                              | 15-30                                  | 5-60  | 1/4                 | 2               | 9013GSB2 |
| 65-200                             | 20-40                                  | 40-170  | 1/4                 | 2               | 9013GHB2 |
| 80-250                             | 25-45                                  | 32-215  | 1/4                 | 2               | 9013GHB5 |
| <b>NEMA Type 4 Watertight</b>      |  |   |                     |                 |          |
| 20-80                              | 20-40                                  | 5-50  | 1/8                 | 2               | 9013GSW1 |
| 20-80                              | 20-40                                  | 5-50  | 1/4                 | 2               | 9013GSW2 |
| 20-80                              | 20-40                                  | 5-50  | 3/8                 | 2               | 9013GSW3 |
| 65-200                             | 30-50                                  | 35-150  | 1/8                 | 2               | 9013GHW1 |
| 65-200                             | 30-50                                  | 35-150  | 1/4                 | 2               | 9013GHW2 |
| 65-200                             | 30-50                                  | 35-150  | 3/8                 | 2               | 9013GHW3 |
| 80-250                             | 40-60                                  | 30-190  | 1/8                 | 2               | 9013GHW4 |
| 80-250                             | 40-60                                  | 30-190  | 1/4                 | 2               | 9013GHW5 |
| 80-250                             | 40-60                                  | 30-190  | 3/8                 | 2               | 9013GHW6 |

\*Must be mounted in vertical position to maintain enclosure rating.

#### SPECIAL FEATURES AND MODIFICATIONS FOR Type G Devices

Mod - Pulsation Plug (Not field replaceable), Form = P (applies to all Type G)

Mod - Reverse Action (Select pressure code from reverse action table), Form = R (applies to all Type G)

Mod - Two-way Pressure Release Valve (Not compatible with Form E), Form = X (applies to GHB, GMG, GSB, GHG, GSG, GHW, GSR, GSW)

#### PRESSURE CODE TABLE\*

| Settings          | Code | Settings          | Code | Settings          | Code | Settings          | Code | Settings          | Code | Settings                 | Code |
|-------------------|------|-------------------|------|-------------------|------|-------------------|------|-------------------|------|--------------------------|------|
| <b>Close-Open</b> |      | <b>Close-Open</b> |      | <b>Close-Open</b> |      | <b>Close-Open</b> |      | <b>Close-Open</b> |      | <b>Close-Open</b>        |      |
| 20-40 psi         | J20  | 60-80 psi         | J25  | 80-100 psi        | J30  | 100-125 psi       | J53  | 125-150 psi       | J58  | 145-175 psi              | J63  |
| 30-50 psi         | J21  | 70-90 psi         | J26  | 90-120 psi        | J31  | 110-125 psi       | J54  | 125-175 psi       | J60  | 150-120 psi†             | J64  |
| 40-20 psi†        | J23  | 70-100 psi        | J28  | 135-175 psi       | J50  | 110-150 psi       | J56  | 130-175 psi       | J61  | 215-250 psi              | J65  |
| 40-60 psi         | J24  | 75-100 psi        | J29  | 100-80 psi†       | J51  | 120-150 psi       | J57  | 140-175 psi       | J62  | Specify setting required | J99  |

\*Existence of a code does not imply that the code is available for any or all devices.

†Reverse action.

### Industrial Snap Switches

#### Class 9007

Square D®



Type AB21



Type AO2

Industrial snap switches have been incorporated in many Square D products such as timers, specialty push buttons, footswitches, operating mechanisms, door interlocks, motor control centers, limit switches, and many other control products.

Recommended Actuator - An adjustable actuator is recommended. If non-adjustable actuator is used, a resilient type or a mechanical stop should be used to prevent "bottoming" of button mechanism.

Adjustable Actuator Overtravel - Minimum recommended overtravel in both trip and reset directions is 0.015".

Adjustable Actuator Total Travel - Maximum differential limit plus 0.030" (Example: 0.076" for Type AO2).

Non-Adjustable Actuator Total Travel - Fully retracted - at least 0.139" for type AO1 and 0.160" for Types AO2 and CO3 from mounting surface.

Fully engaged - at least 0.061" but not closer than 0.045" from mounting surface.

| Type of Operator                                  | Contacts *     | Mfg. No.     | Advanced ID |
|---|----------------|--------------|-------------|
| <b>Quick Make And Break - 600V Max. AC and DC</b> |                |              |             |
| Basic Snap Switch                                 | 1 N.O., 1 N.C. | 9007AO1      | 88248746    |
| Basic Snap Switch                                 | 1 N.O.         | 9007AO1B     | 88248753    |
| Basic Snap Switch                                 | 1 N.O., 1 N.C. | 9007AO2      | 88248755    |
| Basic Snap Switch                                 | 1 N.O., 1 N.C. | 9007AO6●     | 88248761    |
| Basic Snap Switch                                 | 1 N.C.         | 9007AO2A     | 88248756    |
| Basic Snap Switch                                 | 1 N.O.         | 9007AO2B     | 92115000    |
| Basic Snap Switch                                 | 2 N.O., 2 N.C. | 9007CO3      | 88249064    |
| Basic Snap Switch                                 | 2 N.O.         | 9007CO6●     | 88249077    |
| Rigid Roller Lever Type                           | 1 N.O., 1 N.C. | 9007AB21‡○   | 88248736    |
| Rigid Roller Lever Type                           | 1 N.O., 1 N.C. | 9007AB22‡■   | 88248737    |
| Rigid Roller Lever Type                           | 1 N.O., 1 N.C. | 9007AB41‡□   | 88248740    |
| Rigid Roller Lever Type                           | 1 N.O., 1 N.C. | 9007AB23**○  | 88248738    |
| Rigid Roller Lever Type                           | 1 N.O., 1 N.C. | 9007AB24**■  | 22085877    |
| Rigid Roller Lever Type                           | 2 N.O., 2 N.C. | 9007CB31‡○   | 88249041    |
| Rigid Roller Lever Type                           | 2 N.O., 2 N.C. | 9007CB33**○  | 91010541    |
| Rigid Roller Lever Type                           | 2 N.O., 2 N.C. | 9007CB34**■  | 91006530    |
| Rigid Roller Lever Type One Way Roller            | 1 N.O., 1 N.C. | 9007AB25○    | 88248739    |
| Rigid Roller Lever Type One Way Roller            | 2 N.O., 2 N.C. | 9007CB35○    | 88249043    |
| Cabinet Door Type                                 | 1 N.O., 1 N.C. | 9007AC1      | 88248741    |
| Cabinet Door Type                                 | 2 N.O., 2 N.C. | 9007CC1      | 88249044    |
| Plunger Type Panel Mounting                       | 1 N.O., 1 N.C. | 9007AP221    | 88248763    |
| Plunger Type Panel Mounting                       | 2 N.O., 2 N.C. | 9007CP221    | 88249091    |
| Plunger Type Panel Mounting                       | Operator Only  | 9007AP201††  | 88248762    |
| Roller Plunger Type Panel Mounting Non-Oiltight   | 1 N.O., 1 N.C. | 9007AP321    | 88248766    |
| Roller Plunger Type Panel Mounting Non-Oiltight   | 2 N.O., 2 N.C. | 9007CP321    | 88249093    |
| Roller Plunger Type Panel Mounting Non-Oiltight   | Operator Only  | 9007AP301††  | 94057880    |
| Roller Plunger Type Panel Mounting Non-Oiltight   | Operator Only  | 9007AP304††† | 98287280    |
| Roller Plunger Type Panel Mounting-Oiltight       | 1 N.O., 1 N.C. | 9007AP323    | 88248767    |
| Roller Plunger Type Panel Mounting-Oiltight       | 1 N.O., 1 N.C. | 9007AP325†   | 99427617    |
| Roller Plunger Type Panel Mounting-Oiltight       | 2 N.O., 2 N.C. | 9007CP323    | 88249094    |
| Roller Plunger Type Panel Mounting Oiltight       | Operator Only  | 9007AP303††  | 88248765    |
| Roller Plunger Type Panel Mounting Oiltight       | Operator Only  | 9007AP305††  | 92114620    |
| Mushroom Button Type Panel Mounting               | 1 N.O., 1 N.C. | 9007AP222    | 88248764    |
| Mushroom Button Type Panel Mounting               | 2 N.O., 2 N.C. | 9007CP222    | 88249092    |
| Mushroom Button Type Panel Mounting               | Operator Only  | 9007AP202††  | 22097696    |

\*Single pole snap switches that contain two double break contact elements (1 N.O. and 1 N.C.) must be used on circuits of same polarity. Two pole snap switches contain two electrically separated sets of contact elements allowing use on circuits of opposite polarity. Each set contains two double break contact elements (1 N.O. and 1 N.C.) that must be used on circuits of same polarity.

†Roller turned 90° from standard (perpendicular to mounting holes)

‡With 7/32 in. width roller.

\*\*With 15/32 in. width roller.

††For use with Type AO and CO basic switches.

● Plug-in

○ RH

■ LH

□ Without Side Mtg. Bracket.

## Heavy Duty Industrial Foot Switches

### Oiltight, Watertight, Dusttight and Driptight Enclosure

#### NEMA 2, 4 and 13 Class 9002

Square D®



**DANGER - HAZARDOUS APPLICATIONS - DO NOT USE FOOT SWITCHES ON MACHINES WITHOUT POINT-OF-OPERATION PROTECTION. FAILURE TO FOLLOW THIS PRECAUTION WILL RESULT IN SERIOUS INJURY.**

The Safety Door is interlocked with the pedal to prevent operation due to shock or vibration. It prevents accidental pedal operation by requiring a simple but intentional motion to lift the door before inserting the foot.

#### Features

- A Trilingual Danger Sign Regarding the Need for Point-of-Operation Protection is Supplied with Each Foot Switch. The Sign Incorporates Three Languages: English, Spanish and French.

| Mfg. No.  | Advanced ID     | Description                       | Features   |
|---|-----------------|-----------------------------------|--|
| <b>Fully Shielded with Oversized Pedal Shield, Side Shields and Safety Door</b> |                 |                                   |  |
| 9002AW117   | <b>88248687</b> | Single Pole† Double Throw         | Spring Return                                    |
| 9002AW124*  | <b>88248690</b> | Two Pole† Double Throw            | Spring Return                                    |
| 9002AW119   | <b>88248688</b> | Two Stage† (One Pole Each Stage)  | Spring Return                                    |
| 9002AW123   | <b>22097568</b> | Four Stage† (One Pole Each Stage) | Spring Return                                    |
| 9002AC5   | <b>22097565</b> | Replacement Cover Assembly        |  |
| <b>With Oversized Pedal Shield and Side Shields</b>                             |                 |                                   |  |
| 9002AW132   | <b>88293083</b> | Two Pole† Double Throw            | Spring Return                                    |
| 9002AW133   | <b>88293064</b> | Two Stage† (One Pole Each Stage)  | Spring Return                                    |
| 9002AW134   | <b>95018956</b> | Four Stage† (One Pole Each Stage) | Spring Return                                    |
| 9002AC7   | <b>96004283</b> | Replacement Cover Assembly        |  |
| <b>With Pedal Shield and Side Shields</b>                                       |                 |                                   |  |
| 9002AW2   | <b>88248697</b> | Single Pole† Double Throw         | Spring Return                                    |
| 9002AW7   | <b>88248703</b> | Single Pole† Double Throw         | Spring Return With Mechanical Latch              |
| 9002AW14  | <b>88248692</b> | Two Pole† Double Throw            | Spring Return                                    |
| 9002AW15  | <b>88248693</b> | Two Pole† Double Throw            | Spring Return With Mechanical Latch              |
| 9002AW6   | <b>88248702</b> | Two Stage† (One Pole Each Stage)  | Spring Return                                    |
| 9002AW9   | <b>88248704</b> | Two Stage† (One Pole Each Stage)  | Spring Return With Mechanical Latch in 1st Stage |
| 9002AW10  | <b>88248685</b> | Two Stage† (One Pole Each Stage)  | Spring Return With Mechanical Latch in 2nd Stage |
| 9002AW22  | <b>22097572</b> | Four Stage† (One Pole Each Stage) | Spring Return                                    |
| 9002AW12  | <b>88248689</b> | Single Pole Single Throw          | Maintained Contact-Push On/Push Off              |
| 9002AC8‡  | <b>92113678</b> | Replacement Cover Assembly        |  |
| <b>Unshielded (See warning note**)</b>  |                 |                                   |  |
| 9002AW1   | <b>88248684</b> | Single Pole† Double Throw         | Spring Return                                    |
| 9002AW13  | <b>88248691</b> | Two Pole† Double Throw            | Spring Return                                    |
| 9002AW5   | <b>88248701</b> | Two Stage† (One Pole Each Stage)  | Spring Return                                    |
| 9002AW21  | <b>88248698</b> | Four Stage† (One Pole Each Stage) | Spring Return                                    |
| 9002AW11  | <b>88248686</b> | Single Pole Single Throw          | Maintained Contact-Push On/Push Off              |
| 9002AC1   | <b>92105340</b> | Replacement Cover Assembly        |  |

\*2 N.O. and 2 N.C. isolated, direct acting contacts

†A single pole snap switch that contains two double break contact elements (1 N.O. and 1 N.C.) must be used on circuits of same polarity. A double pole snap switch contains two electrically separated sets of contact elements allowing use on circuits of opposite polarity. Each set that contains two double break contact elements (1 N.O. and 1 N.C.) must be used on circuits of same polarity.

‡For replacement cover drilled to accept latch. For Series C foot switches order AC9. No replacement cover available for Series A or B devices drilled to accept latch.

\*\*WARNING: These foot switches must not be used to operate machines or equipment where the possibility of operator injury exists. Typical uses include Emergency Stop functions, "Dead Man" controls, signal functions (lights, bells, etc.).



### Brake Motors

Baldor Electric Co.

Three phase, 1725 RPM at 60 Hz., 208-230/460 volts, C-Face, Totally Enclosed Fan Cooled (TEFC), electric motor less base used for machine tools, conveyors, door operators, speed reducers and any application requiring quick stop and hold.



#### Benefits

- Spring Set Brake
- Power Off Operation Manual Release
- Resets Automatically
- Brakes Internally Connected to Motor on 215T and Smaller
- May Be Mounted Vertically with Brake Above or Below Motor

| Mfg. No.                            | Advanced ID     | Shaft Diameter | Horsepower | Frame |
|-------------------------------------|-----------------|----------------|------------|-------|
| <b>NEMA C-Face (TEFC) less base</b> |                 |                |            |       |
| KBM3454                             | <b>95072521</b> | 5/8 in.        | 1/4hp      | 56C   |
| KBM3458                             | <b>95072522</b> | 5/8 in.        | 1/3hp      | 56C   |
| VBM3458                             | <b>94061446</b> | 5/8 in.        | 1hp        | 56C   |
| VBM3554T                            | <b>94061447</b> | 7/8 in.        | 1 1/2hp    | 145TC |

### C-Face Industrial Motors

#### Single Phase TEFC

Baldor Electric Co.

Single phase, 1725 RPM, 60 Hz. 115/230 volts usable at 208 volts, C-Face, Totally Enclosed Fan Cooled (TEFC), electric motor less base used for pumps, fans, conveyors, machine tools, gear reducers and other applications requiring a NEMA C-face motor.



#### Benefits

- Pressure Cast Aluminum End Plates with Ribbed Design for Rigidity
- Ball Bearings with a Locked Drive End Bearing
- Heavy Gauge Steel Frame
- Gasketed Conduit Box and Capacitor Cover

| Mfg. No.                                    | Advanced ID     | Shaft Diameter | Horsepower | Frame |
|---|-----------------|----------------|------------|-------|
| <b>NEMA C-Face less Base, No Drip Cover</b> |                 |                |            |       |
| KL3400                                      | <b>99658817</b> | 5/8 in.        | 1/6hp      | 56C   |
| KL3403                                      | <b>99658840</b> | 5/8 in.        | 1/4hp      | 56C   |
| VL3501                                      | <b>95072510</b> | 5/8 in.        | 1/3hp      | 56C   |
| VL3504                                      | <b>96042727</b> | 5/8 in.        | 1/2hp      | 56C   |
| VL3507                                      | <b>96042728</b> | 5/8 in.        | 3/4hp      | 56C   |
| VL3510T                                     | <b>96042729</b> | 7/8 in.        | 1hp        | 143TC |
| VL3514T                                     | <b>95023152</b> | 7/8 in.        | 1 1/2hp    | 145TC |

### C-Face Industrial Motors

#### Three Phase ODP

Baldor Electric Co.

Three phase, 60 Hz., 208-230/460 volts, C-Face, Open Drip Proof (ODP), electric motor less base used for pumps, fans, conveyors, machine tools, gear reducers and other applications requiring a NEMA C-face motor.



#### Benefits

- Pressure Cast Aluminum End Plates with Ribbed Design for Rigidity
- Ball Bearings with a Locked Drive End Bearing
- Heavy Gauge Steel Frames

| Mfg. No.                           | Advanced ID     | Shaft Diameter | Horsepower | Frame |
|------------------------------------|-----------------|----------------|------------|-------|
| <b>NEMA C-Face (ODP) less base</b> |                 |                |            |       |
| VM3154                             | <b>95072511</b> | 5/8 in.        | 1 1/2hp    | 56C   |
| VM3155T                            | <b>99658836</b> | 7/8 in.        | 2hp        | 143TC |

### C-Face Industrial Motors

#### Three Phase TEFC

Baldor Electric Co.

Three phase, 60 Hz., 230/460 volts usable at 208 volts and 208-230/460 volts, C-Face, Totally Enclosed Fan Cooled (TEFC), electric motor with base used for pumps, fans, conveyors, machine tools, gear reducers and other applications requiring a NEMA C-face motor.



#### Benefits

- Ball Bearings with a Locked Drive End Bearing
- Dynamically Balanced Rotor
- Heavy Gauge Steel Frame or Cast Iron Frame

| Mfg. No.                            | Advanced ID     | Shaft Diameter | Horsepower | Frame |
|-------------------------------------|-----------------|----------------|------------|-------|
| <b>NEMA C-Face (TEFC) with base</b> |                 |                |            |       |
| CM3534                              | <b>99658841</b> | 5/8 in.        | 1/3hp      | 56C   |
| CM3538                              | <b>99658842</b> | 5/8 in.        | 1/2hp      | 56C   |
| CM3542                              | <b>99658843</b> | 5/8 in.        | 3/4hp      | 56C   |
| CM3546                              | <b>99658844</b> | 5/8 in.        | 1hp        | 56C   |
| CM3554                              | <b>99658845</b> | 5/8 in.        | 1 1/2hp    | 56C   |
| CM3555                              | <b>99658846</b> | 5/8 in.        | 2hp        | 56C   |
| CM3611T                             | <b>22033345</b> | 7/8 in.        | 3hp        | 182TC |
| CM3615T                             | <b>22033346</b> | 7/8 in.        | 5hp        | 184TC |
| CM3710T                             | <b>94033755</b> | 1 3/8 in.      | 7 1/2hp    | 213TC |



## C-Face Industrial Motors

### Three Phase TEFC TENV

Baldor Electric Co.

Three phase, 60 Hz., 230/460 volts usable at 208 volts and 208-230/460 volts, C-Face, Totally



Enclosed Fan Cooled (TEFC) and Totally Enclosed Non Ventilated (TENV) electric motor less base used for pumps, fans, conveyors, machine tools, gear reducers and other applications requiring a NEMA C-face motor.

#### Benefits

- Ball Bearings with a Locked Drive End Bearing
- Heavy Gauge Steel Frame or Cast Iron Frame

| Mfg. No.                                       | Advanced ID     | Shaft Diameter | Horsepower | Frame |
|--|-----------------|----------------|------------|-------|
| <b>NEMA C-Face (TEFC) and (TENV) less base</b> |                 |                |            |       |
| KM3454   | <b>94061437</b> | 5/8 in.        | 1/4hp      | 56C   |
| KM3457   | <b>92138733</b> | 5/8 in.        | 1/3hp      | 56C   |
| VM3537   | <b>94061449</b> | 5/8 in.        | 1/2hp      | 56C   |
| VM3538   | <b>94061450</b> | 5/8 in.        | 1/2hp      | 56C   |
| VM3542   | <b>95072516</b> | 5/8 in.        | 3/4hp      | 56C   |
| VM3543T  | <b>94061429</b> | 7/8 in.        | 3/4hp      | 143TC |
| VM3546   | <b>99460979</b> | 5/8 in.        | 1hp        | 56C   |
| VM3546T  | <b>94061448</b> | 7/8 in.        | 1hp        | 143TC |
| VM3550   | <b>94061431</b> | 5/8 in.        | 1 1/2hp    | 56C   |
| VM3554T  | <b>96042724</b> | 7/8 in.        | 1 1/2hp    | 145TC |
| VM3555T  | <b>99658838</b> | 7/8 in.        | 2hp        | 145TC |
| VM3558T  | <b>96042725</b> | 7/8 in.        | 2hp        | 145TC |
| VM3611T  | <b>95072541</b> | 1 1/8 in.      | 3hp        | 182TC |

## DC Power Motors

Baldor Electric Co.

230 Volts DC, 1750 RPM, Totally Enclosed Fan Cooled (TEFC), DC motor with a rigid base used for crane hoists, conveyors, augers and marine duty.



#### Benefits

- 20% Compound Wound
- Weatherproof, Meets IEEE45 Specifications
- Suitable for Mounting in Any Position
- Continuous Duty
- Easy Access Brushes
- Not Tach Adaptable
- Can Be Powered from Generators or Batteries

| Mfg. No.                               | Advanced ID     | Shaft Diameter | Horsepower | Frame |
|--|-----------------|----------------|------------|-------|
| <b>230 V DC, TEFC, with rigid base</b> |                 |                |            |       |
| D2301                                  | <b>92138732</b> | 5/8 in.        | 1/3hp      | 56    |
| D2302                                  | <b>92138729</b> | 5/8 in.        | 1/2hp      | 56    |
| D2303                                  | <b>92138731</b> | 5/8 in.        | 3/4hp      | 56    |
| D2304                                  | <b>99658828</b> | 5/8 in.        | 1hp        | 56    |
| D2305                                  | <b>99658829</b> | 7/8 in.        | 1 1/2hp    | 184   |

## Explosion-Proof Motors

### Single Phase

Baldor Electric Co.

Single Phase, 1725 rpm @ 60 Hz., Class I, Group D or Class II, Group F&G, explosion-proof electric motor used for pumps, blowers and valves.



#### Benefits

- UL and CSA Approved for Class I, Group D or Class II, Group F & G
- Corrosion-Resistant Epoxy Finish
- Positively Locked Drive and Bearing
- UL Approved Cast Conduit Box Standard
- No Drip Cover

| Mfg. No.                                   | Advanced ID     | Shaft Diameter | Horsepower | Frame |
|--|-----------------|----------------|------------|-------|
| <b>Single-Phase, NEMA C-Face less Base</b> |                 |                |            |       |
| VL5023A                                    | <b>99652948</b> | 5/8 in.        | 1hp        | 56C   |
| <b>Single-Phase, NEMA C-Face with Base</b> |                 |                |            |       |
| CL5001A                                    | <b>99658819</b> | 5/8 in.        | 1/3hp      | 56C   |
| CL5004A                                    | <b>99658822</b> | 5/8 in.        | 1/2hp      | 56C   |
| CL5007A                                    | <b>99658823</b> | 5/8 in.        | 3/4hp      | 56C   |
| CL5023A                                    | <b>99658826</b> | 5/8 in.        | 1hp        | 56C   |
| CL5013                                     | <b>99658827</b> | 7/8 in.        | 1 1/2hp    | 184C  |

## Explosion-Proof Motors

### Three-Phase

Baldor Electric Co.

Three-Phase, 60 Hz., Class I, Group D or Class II, Group F&G, explosion-proof electric motor used for pumps, blowers and valves.



#### Benefits

- UL and CSA Approved for Class I, Group D or Class II, Group F & G
- Corrosion-Resistant Epoxy Finish
- Positively Locked Drive and Bearing
- UL Approved Cast Conduit Box Standard
- No Drip Cover

| Mfg. No.                                  | Advanced ID     | Shaft Diameter | Horsepower | Frame |
|---|-----------------|----------------|------------|-------|
| <b>Three-Phase, NEMA C-Face less Base</b> |                 |                |            |       |
| VM7006A                                   | <b>94061433</b> | 5/8 in.        | 1/2hp      | 56C   |

## Explosion-Proof Motors

### Three-Phase Rigid Base

Baldor Electric Co.

Three-Phase, Class I, Group D, Class II, Group F & G, T3C, explosion-proof electric motor with a rigid base, ideal for use where hazardous fumes or dust may be present.



#### Benefits

- UL and CSA Approved for Class I Group D
- Approved for Class I Group C and D
- Approved for Class II Group F and G
- Corrosion-Resistant Epoxy Finish
- Shipped with UL and CSA Approved Cast Conduit Box

| Mfg. No. | Advanced ID     | Shaft Diameter | Horsepower | Frame |
|----------|-----------------|----------------|------------|-------|
| M7013    | <b>95023150</b> | 5/8 in.        | 1hp        | 56    |
| M7019    | <b>95072509</b> | 7/8 in.        | 1 1/2hp    | 184   |

### General Purpose Motors

#### Single-Phase ODP

Baldor Electric Co.

Single-phase, 1725 RPM, 60 Hz. 115/230 volts usable at 208 volts, Open Drip Proof (ODP), electric motor with rigid base used for compressors, pumps, conveyors, machine tools, air handling and other applications.



#### Benefits

- Heavy Gauge Steel Frame
- Copper Windings
- Ball Bearings
- Dynamically Balanced Rotors
- Industrial Quality Features

| Mfg. No. | Advanced ID     | Shaft Diameter | Horsepower | Frame |
|----------|-----------------|----------------|------------|-------|
| L1200    | <b>96071723</b> | 1/2 in.        | 1/8hp      | 48    |
| L1304    | <b>96071724</b> | 5/8 in.        | 1/2hp      | 56    |
| L1307    | <b>96071726</b> | 5/8 in.        | 3/4hp      | 56    |
| L1310    | <b>99660158</b> | 5/8 in.        | 1hp        | 56    |

### General Purpose Motors

#### Single-Phase TEFC

Baldor Electric Co.

Single-phase, 60 Hz. 115/230 volts usable at 208 volts, Totally Enclosed Fan Cooled (TEFC), electric motor with rigid base used for compressors, pumps, fans, farm equipment, conveyors, material handling, machine tools, and other applications.



#### Benefits

- Heavy Gauge Steel Frame
- Heavy Duty Base Seam Welded to the Frame
- Ball Bearings
- Snap Action Starting Switch
- Gasketed Conduit Box And Capacitor Cover

| Mfg. No. | Advanced ID     | Shaft Diameter | Horsepower | Frame  |
|----------|-----------------|----------------|------------|--------|
| L3400*   | <b>94061438</b> | 1/2 in.        | 1/8hp      | 48     |
| L3401†   | <b>95072525</b> | 1/2 in.        | 1/4hp      | 48     |
| L3403    | <b>22032709</b> | 1/2 in.        | 1/4hp      | 48     |
| L3409    | <b>99466458</b> | 1/2 in.        | 1/2hp      | 48     |
| L3504    | <b>95072538</b> | 5/8 in.        | 1/2hp      | 56     |
| L3507    | <b>22032735</b> | 5/8 in.        | 3/4hp      | 56     |
| L3508    | <b>99658816</b> | 5/8 in.        | 3/4hp      | 56/56H |
| L3510    | <b>22032746</b> | 5/8 in.        | 1hp        | 56/56H |

\* 1725 RPM

† 1140 RPM

### General Purpose Motors

#### Three-Phase ODP

Baldor Electric Co.

Three-phase, 60 Hz., 230/460 volts usable at 208 volts and 208-230/460 volts, Open Drip Proof (ODP), electric motor with rigid base used for pumps, compressors, fans, conveyors, machine tools and other general purpose three phase applications.



#### Benefits

- Suitable For Mounting In Any Position
- Ball Bearings & Copper Windings
- Heavy Gauge Steel Or Cast Iron Frames
- Gasketed Conduit Box
- EM Super-E Motors Have NEMA Premium Efficiency
- EM Series Have a 3 Year Warranty
- Regular Series Have a 18 Month Warranty

| Mfg. No. | Advanced ID     | Shaft Diameter | Horsepower | Frame |
|----------|-----------------|----------------|------------|-------|
| M3003    | <b>94061436</b> | 1/2 in.        | 1/4hp      | 48    |
| M3108    | <b>96071725</b> | 5/8 in.        | 1/2hp      | 56    |
| M3013    | <b>99652945</b> | 1/2 in.        | 3/4hp      | 48    |
| M3111    | <b>95072527</b> | 5/8 in.        | 3/4hp      | 56    |
| M3116T   | <b>96042712</b> | 7/8 in.        | 1hp        | 143T  |
| M3157T   | <b>96042715</b> | 7/8 in.        | 2hp        | 145T  |
| M3161TA  | <b>99652946</b> | 5/8 in.        | 3hp        | 56HZ  |
| M3211T   | <b>96042716</b> | 1 1/8 in.      | 3hp        | 182T  |
| M3304    | <b>99658833</b> | 1 1/8 in.      | 3hp        | 213   |
| EM3211T* | <b>99658831</b> | 1 1/8 in.      | 3hp        | 182T  |
| M3218T   | <b>96042717</b> | 1 1/8 in.      | 5hp        | 184T  |
| M3311T   | <b>96042718</b> | 1 3/8 in.      | 7 1/2hp    | 213T  |
| M3313T   | <b>96042720</b> | 1 3/8 in.      | 10hp       | 215T  |
| M2516T   | <b>99658852</b> | 1 5/8 in.      | 25hp       | 256T  |
| M2535T   | <b>99658832</b> | 1 7/8 in.      | 30hp       | 286T  |

\* High Efficiency

### General Purpose Motors

#### Three-Phase TEFC TENV

Baldor Electric Co.

Three-phase, 60 Hz., 230/460 volts usable at 208 volts and 208-230/460 volts, Totally Enclosed Fan Cooled (TEFC) and Totally Enclosed Non Ventilated (TENV) electric motor with rigid base used for pumps, compressors, fans, conveyors, machine tools and other general purpose three-phase applications.



#### Benefits

- Suitable For Mounting In Any Position
- Ball Bearings
- Heavy Gauge Steel or Cast Iron Frames
- Gasketed Conduit Box
- EM And ECP Super-E Motors Have NEMA Premium Efficiency
- EM Series Have a 3 Year Warranty
- Regular Series Have a 18 Month Warranty

| Mfg. No.           | Advanced ID     | Shaft Diameter | Horsepower | Frame |
|--------------------|-----------------|----------------|------------|-------|
| <b>Steel Frame</b> |                 |                |            |       |
| M3532              | <b>95072529</b> | 5/8 in.        | 1/4hp      | 56    |
| M3457              | <b>94061440</b> | 1/2 in.        | 1/3hp      | 48    |
| M3534*             | <b>99652947</b> | 5/8 in.        | 1/3hp      | 56    |
| M3536†             | <b>95072530</b> | 5/8 in.        | 1/3hp      | 56    |
| M3537‡             | <b>95072502</b> | 5/8 in.        | 1/2hp      | 56    |
| M3538**            | <b>99652950</b> | 5/8 in.        | 1/2hp      | 56    |
| M3543T             | <b>94061441</b> | 7/8 in.        | 3/4hp      | 143T  |
| M3546T             | <b>96042697</b> | 7/8 in.        | 1hp        | 143T  |
| M3603              | <b>94061443</b> | 7/8 in.        | 1hp        | 182   |
| M3550T             | <b>96042701</b> | 7/8 in.        | 1 1/2hp    | 143T  |
| M3554T             | <b>96042699</b> | 7/8 in.        | 1 1/2hp    | 145T  |
| M3558T             | <b>95007500</b> | 7/8 in.        | 2hp        | 145T  |
| M3611T             | <b>96042702</b> | 1 1/8 in.      | 3hp        | 182T  |
| EM3615T††          | <b>99658839</b> | 1 1/8 in.      | 5hp        | 184T  |
| M3615T             | <b>94043499</b> | 1 1/8 in.      | 5hp        | 184T  |
| M3710T             | <b>96042705</b> | 1 3/8 in.      | 7 1/2hp    | 213T  |
| M3714T             | <b>96042708</b> | 1 3/8 in.      | 10hp       | 215T  |

#### Cast Iron Frame

|         |                 |           |      |      |
|---------|-----------------|-----------|------|------|
| EM3665T | <b>25024792</b> | 1 1/8 in. | 5hp  | 184T |
| M2333T  | <b>95072515</b> | 1 5/8 in. | 15hp | 254T |
| M2334T  | <b>96042710</b> | 1 5/8 in. | 20hp | 256T |
| M4103T  | <b>96042711</b> | 1 7/8 in. | 25hp | 284T |
| M4103   | <b>99466460</b> | 1 7/8 in. | 25hp | 324U |

\* 1725 RPM

† 865 RPM

‡ 3450 RPM

\*\* 1725 RPM

†† High Efficiency

## Stainless Steel Pump Motors

Baldor Electric Co.

Stainless steel, three phase, Open Drip Proof (ODP), 230/460 usable at 208 volts AC, jet pump electric motor. Applications range from residential and industrial pumps to swimming pool pumps and more.

### Benefits

- Diecast Aluminum End Plates
- Machined Steel Bearing Seat Inserts
- Threaded Shaft

| Mfg. No.  | Advanced ID              | Shaft Diameter | Horsepower | Frame |
|---|--------------------------|----------------|------------|-------|
| <b>Stainless Steel Threaded Shaft 56J Frame less Base</b> |                          |                |            |       |
| JM3120  | <a href="#">99658849</a> | 5/8 in.        | 1 1/2hp    | 56J   |
| <b>Stainless Steel Threaded Shaft 56J Frame with Base</b> |                          |                |            |       |
| CJM3104   | <a href="#">99658820</a> | 5/8 in.        | 1/3hp      | 56J   |
| CJM3108   | <a href="#">99545206</a> | 5/8 in.        | 1/2hp      | 56J   |
| CJM3112   | <a href="#">99658821</a> | 5/8 in.        | 3/4hp      | 56J   |
| CJM3115   | <a href="#">99658824</a> | 5/8 in.        | 1hp        | 56J   |
| CJM3120   | <a href="#">99658825</a> | 5/8 in.        | 1 1/2hp    | 56J   |

## Diesel Industrial Portable Generators

Baldor Electric Co.

Baldor diesel generators are designed for rugged application where diesel fuel is readily available. Ideal for industrial, farm or rental/construction where dependable power is needed. Powerful Hatz engines drive a Baldor generator with a 3-year limited warranty. 120 and 240 Volt AC available.



### Benefits

- Hour Meter
- Voltmeter
- 12 Volt Electric Start or Recoil Start
- Batteries Are Not Included on Electric Start Models

| Mfg. No. | Advanced ID              | Run Time | Rated Watts | Fuel Tank Capacity |
|----------|--------------------------|----------|-------------|--------------------|
| DG3E     | <a href="#">22029203</a> | 5.4 hr.  | 3000        | 2.75 Gal.          |
| DG6E     | <a href="#">22029204</a> | 4.6 hr.  | 5500        | 4.6 Gal.           |

## Powerchief Industrial Portable Generators

Baldor Electric Co.

Powerchief generators utilize the same engine and generator as the Premier Series but with limited options. All Powerchief generators feature industrial grade engines, a Baldor generator with a 3-year limited warranty. 120 and 240 Volt AC available.



### Benefits

- Batteries Are Not Included On Electric Start Models
- PC11R Model Has 12V DC Available

| Mfg. No.                        | Advanced ID              | Run Time | Rated Watts | Fuel Tank Capacity |
|---------------------------------|--------------------------|----------|-------------|--------------------|
| <b>Recoil Start</b>             |                          |          |             |                    |
| PC11R                           | <a href="#">22031681</a> | 2.5 hr.  | 900         | 1 Gal.             |
| PC30H                           | <a href="#">22031682</a> | 1.5 hr.  | 2500        | 3.8 qt.            |
| PC40H                           | <a href="#">22122663</a> | 4.0 hr.  | 3500        | 4.6 Gal.           |
| PC50H                           | <a href="#">22031683</a> | 6.0 hr.  | 4000        | 4.6 Gal.           |
| <b>Recoil or Electric Start</b> |                          |          |             |                    |
| PC60HE                          | <a href="#">22031685</a> | 4.0 hr.  | 5000        | 4.6 Gal.           |
| PC90VE                          | <a href="#">22031686</a> | 3.2 hr.  | 8000        | 4.6 Gal.           |

## Premier Industrial Portable Generators

Baldor Electric Co.

Premier portable generators are equipped with industrial grade engines and Baldor-manufactured generators with an industry leading 3 year limited warranty. Both 120 and 240 Volt AC available. Two-pole design is maintenance free and durability makes them the "generator of choice" for industrial and rental/construction applications.



### Benefits

- Hour Meter
- Voltmeter
- Fuel Gauge
- Batteries Are Not Included On Electric Start Models

| Mfg. No.                        | Advanced ID              | Run Time | Rated Watts | Fuel Tank Capacity |
|---------------------------------|--------------------------|----------|-------------|--------------------|
| <b>Recoil Start</b>             |                          |          |             |                    |
| OHV30                           | <a href="#">22031475</a> | 5 hr.    | 2500        | 2.8 Gal.           |
| R45                             | <a href="#">22031733</a> | 6 hr.    | 4000        | 5.0 Gal.           |
| OHV50H                          | <a href="#">22031476</a> | 6 hr.    | 4000        | 4.6 Gal.           |
| OHV60                           | <a href="#">22031477</a> | 4 hr.    | 5000        | 4.6 Gal.           |
| R60                             | <a href="#">22031735</a> | 4 hr.    | 5000        | 5.0 Gal.           |
| <b>Recoil or Electric Start</b> |                          |          |             |                    |
| R45E                            | <a href="#">22124002</a> | 6 hr.    | 4000        | 5.0 Gal.           |
| OHV60E                          | <a href="#">22031478</a> | 4 hr.    | 5000        | 4.6 Gal.           |
| R60E                            | <a href="#">22031736</a> | 4 hr.    | 5000        | 5.0 Gal.           |
| OHV85E                          | <a href="#">22031479</a> | 4 hr.    | 8000        | 5.8 Gal.           |
| OHV100E                         | <a href="#">22031473</a> | 4 hr.    | 9500        | 5.8 Gal.           |
| OHV110E                         | <a href="#">22031474</a> | 4 hr.    | 10000       | 5.8 Gal.           |

**Carbon Monoxide Detector**

|            |        |
|------------|--------|
| .....      | 14-2-3 |
| Relay..... | 14-4   |

**Door Bells**

|                   |          |
|-------------------|----------|
| Kit.....          | 14-16-17 |
| Push Buttons..... | 14-16-17 |

**Earplugs**

|       |       |
|-------|-------|
| ..... | 14-23 |
|-------|-------|

**Face Mask**

|       |       |
|-------|-------|
| ..... | 14-22 |
|-------|-------|

**Fire Alarms**

|                    |      |
|--------------------|------|
| .....              | 14-4 |
| Control Panel..... | 14-5 |
| Door Holder.....   | 14-4 |
| Pull Station.....  | 14-5 |

**First Aid Kits**

|       |       |
|-------|-------|
| ..... | 14-22 |
|-------|-------|

**Gloves**

|       |          |
|-------|----------|
| ..... | 14-20-21 |
|-------|----------|

**Hard Hats**

|       |       |
|-------|-------|
| ..... | 14-23 |
|-------|-------|

**Heat Detectors**

|       |        |
|-------|--------|
| ..... | 14-2,4 |
|-------|--------|

**Lockout / Tagout**

|       |          |
|-------|----------|
| ..... | 14-24-25 |
|-------|----------|

**Padlocks**

|       |          |
|-------|----------|
| ..... | 14-18-19 |
|-------|----------|

**Raingear**

|       |       |
|-------|-------|
| ..... | 14-21 |
|-------|-------|

**Respirators**

|       |       |
|-------|-------|
| ..... | 14-21 |
|-------|-------|

**Safety**

|              |          |
|--------------|----------|
| Glasses..... | 14-22    |
| Harness..... | 14-22-23 |
| Tapes.....   | 14-23-24 |
| Vests.....   | 14-23    |

**Signaling Devices**

|                        |          |
|------------------------|----------|
| Accessories.....       | 14-13-14 |
| Audible/Visual.....    | 14-8     |
| Bells.....             | 14-5     |
| Door Light Switch..... | 14-17    |
| Horns.....             | 14-6-7   |
| Lights.....            | 14-7-12  |
| Transformers.....      | 14-12    |

**Smoke Detectors**

|            |          |
|------------|----------|
| .....      | 14-1-2,4 |
| Relay..... | 14-3     |

**Time Switches**

|                 |       |
|-----------------|-------|
| .....           | 14-15 |
| Electronic..... | 14-14 |

**Water Cooler**

|       |       |
|-------|-------|
| ..... | 14-23 |
|-------|-------|

### 5000 Smoke Alarm

Firex®

#### Benefits

- Latching LED
- Visible Low Battery Indicator
- Front Loading Battery Door
- False Alarm Control
- Latching LED
- AC/Battery Backup
- Maximum Interconnect: 18



#### Features

- Ramp-Up Test Horn
- Large, Easy to Use Push-to-Test Button
- Attractive, Low-Profile Design
- 10 Year Warranty

**Mfg. No.** 5000 **Advanced ID** 98398855

### AC Ionization

Firex®

#### Benefits

- Dual Ionization Smoke Sensing Chamber
- Lighted Power/ Alarm LED
- Incorporates Firex Installer-Focused Innovations
- False Alarm Control
- Maximum Interconnect: 6
- AC Power Supply



#### Features

- Interconnect Flexibility
- Factory Sealed Housing

**Mfg. No.** 406 **Advanced ID** 89032257

### AC/DC Ionization Smoke Alarms

Firex®



4518



4618

#### Benefits

- AC/Battery Backup
- Maximum Interconnect: 18

#### Features

- False Alarm Control™ — Quiets Unwanted Alarms For up to 15 Minutes
- Factory Sealed Housing — Prevents Tampering and Provides Outstanding Durability
- Interconnects with Other Firex Smoke Alarms and Heat Alarms — Compatible with Other Contractor Preferred Firex Products

**Mfg. No.** 4518 **Advanced ID** 95004370

#### Firex Installer-Focused Innovations

**PowerLink Tab** 4618 **99473626**

### DC Ionization

Firex®

#### Benefits

- Dual Ionization Smoke Sensing Chamber
- Incorporates Firex Installer-Focused Innovations
- Factory Sealed Housing
- Maximum Interconnect: 1



**Mfg. No.** 461 **Advanced ID** 89032261

### Lithium DC Ionization

Firex®

#### Benefits

- False Alarm Control
- Lighted Power/Alarm LED Indicator
- Low Battery Signal



#### Features

- Sealed Enclosure
- One Time Activation Switch
- Maximum Interconnect: 12
- Tamper-Resistant
- Deactivation Connector to Turn Off at the End of 10 Year Service Life

**Mfg. No.** 4671 **Advanced ID** 25047106

### Photoelectric Smoke Alarms

Firex®

#### Benefits

- AC/DC Powered with Battery Backup
- Maximum Interconnect: 18



**Mfg. No.** 4480 **Advanced ID** 97231583

#### Back Loaded

4480

### General Use Smoke Alarm

BRK Electronics®

#### Features

- Ionization Sensor
- Battery Power Indicator
- Low Battery Warning “Chirp”
- Missing Battery Tab
- Hinged Cover for Easy Battery Replacement
- 9V Battery Included
- 10-Year Limited Warranty on Alarm



**Mfg. No.** 83RN **Advanced ID** 25013237



### Ionization AC Powered Smoke Alarm

BRK Electronics®

#### Features

- 120V AC; Interconnectable
- Latching Alarm Indicator
- Smart Technology
- Single Button Test/Silence
- Perfect Mount System
- Mounting Bracket Lock
- Dust Cover
- 10 Year Limited Warranty



| Mfg. No. | Advanced ID     |
|----------|-----------------|
| 9120     | <b>25001729</b> |
| 9120B *  | <b>22128963</b> |

\*Battery back-up

### Smoke Alarm for Hearing Impaired

BRK Electronics®

#### Benefits

- Meets Requirements of the Americans with Disabilities Act

#### Features

- Ionization Sensor
- 177 Candela Strobe Light
- Quick Plug-In Power Connector
- 120V AC; Interconnectable
- AC Power Indicator
- 10-Year Limited Warranty On Alarm



| Mfg. No. | Advanced ID     |
|----------|-----------------|
| 1005     | <b>94002402</b> |

### Heat Detector

Firex®

#### Benefits

- Maximum Interconnect: 18
- Power Supply: AC/DC

#### Features

- Alarm Triggered at 135°
- 9V Battery Backup
- Interconnectable With Firex Smoke, CO Detector



| Mfg. No. | Advanced ID     |
|----------|-----------------|
| 5700     | <b>97231584</b> |

### Photoelectric AC Powered Smoke Alarm

BRK Electronics®

#### Features

- Quick Plug-In Power Connector
- 120V AC; Interconnectable
- Alarm Indication
- Optipath 360 Technology™
- Locking Feature
- 10-Year Limited Warranty On Alarm



| Mfg. No. | Advanced ID     |
|----------|-----------------|
| 7010     | <b>22084844</b> |
| 7010B *  | <b>22084845</b> |

\*Battery back-up

### Heat Alarms

BRK Electronics®

#### Features

- 120V AC/DC with 9V Battery Backup
- 135°F Fixed Rate and Rate-of-Rise Temperature Sensing
- Microprocessor Controlled
- IR Remote Control Test/Silence
- Latching Alarm Indication
- Interconnectable to a Maximum of 18 BRK Alarms and Relays
- 85dB hom
- Meets UL Requirements



| Mfg. No. | Advanced ID     |
|----------|-----------------|
| HD6135FB | <b>22118595</b> |

### AC Powered Carbon Monoxide Alarm with Battery Back-Up

BRK Electronics®

#### Benefits

- Quick Plug-In Power Connector
- 120V AC; Interconnectable
- Latching Alarm Indicator
- Smart Interconnect
- Battery Drawer Lock
- Mounting Bracket Lock
- Swing-Open Battery Door
- Can Be Interconnected with up to 11 Additional Smoke or CO Alarms
- Silence Feature
- AC Power Indicator



#### Features

- Test/Silence Button
- Low Battery Warning
- Missing Battery Tab
- 9V Battery Included
- 5-Year Limited Warranty on Alarm

| Mfg. No. | Advanced ID     |
|----------|-----------------|
| CO5120BN | <b>99460951</b> |

Advanced provides emergency service 24 hours a day, seven days a week. Call us at 1-800-Advanced and we'll help you handle those unexpected emergencies.



## AC Powered Carbon Monoxide Alarm with Battery Backup and Digital Display

BRK Electronics®

### Benefits

- Quick Plug-In Power Connector
- 120V AC, Interconnectable
- Low Battery Warning
- Latching Alarm Indicator
- Smart Interconnect
- Microprocessor Controlled for Fewer Nuisance Alarms
- Single Button Test/Silence/Scroll
- Battery Drawer Lock
- Mounting Bracket Lock
- Battery Backup



### Features

- Missing Battery Tab
- 9V Battery Included
- 5-Year Limited Warranty on Alarm
- Peak Memory Remembers and Displays Highest CO Levels Detected
- Alarm Latching Identifies and Remembers Which Unit in an Interconnected Series Initiated an Alarm

**Mfg. No.**  
CO5120PDBN

**Advanced ID**  
25046605

## AC Powered Smoke/CO Combo

BRK Electronics®

### Benefits

- Battery Backup
- Quick Plug-In Power Connector
- 120V AC, Interconnectable
- Ionization Smoke Sensor
- Microprocessor Controlled for Fewer Nuisance Alarms
- Low Battery and Nuisance Alarm Silence
- Auto-Self Testing
- Latching Alarm Indicator
- Smart Interconnect
- Separate Smoke & CO Visual and Audible Warnings



### Features

- Mounting Bracket Lock
- Low Battery Warning
- Missing Battery Tab
- 9V Battery Included
- 5-Year Limited Warranty on Alarm
- Battery Drawer Lock

**Mfg. No.**  
SC9120B

**Advanced ID**  
25001734

## 12000 Smoke/CO Combo

Firex®

### Benefits

- Fire /CO in a Single Unit
- Reduces Installation Costs
- 120V AC with Battery Back-Up or Battery-Only Option
- Maximum Interconnect: 18



### Features

- Latching LED To Help Identify Triggering Alarm
- UL Listed To Run AC/DC or DC Only
- Monox® Sensor with True Test™ Sensor Diagnostics
- Monthly Self Test
- Interconnect Test

**Mfg. No.**  
12000

**Advanced ID**  
25027670

## AC/DC Carbon Monoxide Detector

Firex®

### Benefits

- Interconnects Up to 18

### Features

- Monox™ True Test Sensor. Tests the Sensor and Not Just the Horn with Monox
- Front Load Battery for Easy Maintenance
- Monthly Self Test
- True End of Life Indication



**Mfg. No.**  
10000

**Advanced ID**  
25046640

## Multifunction Relay Module

Firex®

### Features

- Can Be Used to Activate Secondary Strobes, Sounders or Other Devices
- Interconnects to most Firex Smoke, CO, Heat and Smoke/CO Combination Alarms



**Mfg. No.**  
499

**Advanced ID**  
89032255

### Relay

BRK Electronics®

#### Features

- Works with "Smart Interconnect" BRK CO Alarms
- 120V AC Powered
- Form-C Contacts that Switch Between a Normally Open Contact and a Closed Contact
- Maximum Contact Rating: 120V AC and 30V DC, Resistive-15A
- Motor - 1/3 HP
- Fits Most Standard Junction Boxes
- May be Wired Next to an AC Alarm or from a Remote Location



| Mfg. No. | Advanced ID |
|----------|-------------|
| RM4      | 25043989    |

### Photoelectric System Smoke Detectors

Edwards Signaling and Security Systems

Photoelectric System Smoke Detector designed to provide an early response to slow burning, smoldering fires.



#### Features

- LED Alarm Indication
- Sensitivity Test Feature with Use of EC-PST Test Tool
- Tamper Resistant with Site Selectable Lock
- White Molded High Impact Fire Retardant Plastic
- Advanced Dual Chamber
- UL Listed
- ULC Listed
- Surface Mount Base

| Mfg. No. | Advanced ID | Description                  |
|----------|-------------|------------------------------|
| SC30U-3B | 22070336    | Photoelectric Smoke Detector |

### Rate-of-Rise and Fixed Temperature Heat Detectors

Edwards Signaling and Security Systems

The 280B-PL Series heat detectors offer fixed temperature or combination rate-of-rise and fixed temperature features. For property protection only.



#### Features

- Low Profile with Base
- Positive Fixed Temperature Operating Indication
- On Site Testing of Rate-Of-Rise Feature
- UL Listed
- FM Approved
- CSFM Listed

| Mfg. No. | Advanced ID | Description                |
|----------|-------------|----------------------------|
| 281B-PL  | 97106954    | Rated at 135°F Combination |
| 282B-PL  | 97209639    | Rated at 194°F Combination |
| 283B-PL  | 97209640    | 135°F Fixed Temperature    |
| 284B-PL  | 97209641    | 194°F Fixed Temperature    |

### Genesis® Horns, Strobes & Horn/Strobes

Edwards Signaling and Security Systems

The Genesis line of signals are the smallest, most compact audible and visible emergency signaling devices in the world. Mount to any standard one-gang surface or flush electrical box.

#### Features

- Unique Low-Profile Design
- White Finish
- Ultra-Slim - Protrudes Less Than One Inch from Wall
- High (Default) or Low dB Horn
- Temporal (Default) or Steady Horn
- Public Mode Flash Rate (Default) or Private Mode Temporal Flash
- UL 1971 Listed; UL 1638 Listed; UL 464; ULC S526; CSFM;



FM Approved

| Mfg. No. | Advanced ID | Description   |
|----------|-------------|---|
| 22081797 |             | Genesis Temporal Horn (Selectable High/Low dB Output) |

### Electromagnetic Door Holder

Edwards Signaling and Security Systems

Edwards electromagnetic door holders are high quality devices designed to be used on self-closing, swinging doors to automatically isolate an area when activated by fire alarm, smoke detection or sprinkler systems.

#### Features

- Die Cast Metal Construction
- Powder Epoxy Aluminum Finish
- Mounting Hardware Included
- UL Listed, FM Approved
- 25 lb Minimum Holding Force



| Mfg. No.  | Advanced ID | Features                        | Voltage Rating     |
|-----------|-------------|---------------------------------|--------------------|
| 1501-AQN5 | 22086002    | Floor Mount, Single Door        | 24V AC/DC; 120V AC |
| 1502-AQN5 | 22086004    | Floor Mount, Double Door        | 24V AC/DC; 120V AC |
| 1504-AQN5 | 22085986    | Flush Wall Mount, Single Door   | 24V AC/DC; 120V AC |
| 1508-AQN5 | 22086006    | Surface Wall Mount, Single Door | 24V AC/DC; 120V AC |

## Fire Alarm Pull Station

Edwards Signaling and Security Systems

The 270 Series fire alarm pull station is for fire alarm installation in schools, hospitals, factories and industrial locations.

### Features

- Die Cast Metal Construction
- Terminal Strip Wiring
- Break Glass Type
- Single Action
- UL Listed
- CSFM Listed



| Mfg. No. | Advanced ID | Description               | Amps | Volts          |
|----------|-------------|---------------------------|------|----------------|
| 270-SPO  | 88085881    | Single Pole; Open Circuit | 3    | 30V AC; 60V DC |

## FireShield™ Fire Alarm Control System

Edwards Signaling and Security Systems

### Features

- 1, 3, 5, or 10 Class B Initiating Device Circuits (IDC)
- 2 or 4 Class B Notification Appliance Circuits
- IDC or NAC Pairs Convertible to Single Class A Circuits (10 and 5 IDC Panels only)
- Zone Programmable NAC's Selectable for Genesis
- Genesis Option Provides Strobe Sync and Audible Silence over 2 Wires
- Supports 2400, ED2M and SC Series Detectors
- Relays for Alarm, Supervisory and Trouble Conditions
- 120V AC
- Red Finish
- UL Listed



| Mfg. No.  | Advanced ID | Function                                 |
|-----------|-------------|--|
| E-FS302R  | 22070321    | 3 Zone, 3 Class B IDC, 2 Class B NAC's   |
| E-FS502R  | 22070323    | 5 Zone, 5 Class B IDC, 2 Class B NAC's   |
| E-FS1004R | 22070325    | 10 Zone, 10 Class B IDC, 2 Class B NAC's |

## AdaptaBuzzer™ AC Buzzers

Edwards Signaling and Security Systems

Heavy-duty buzzer for indoor applications. Used for timing, scheduling and paging applications. Use where ever a relatively low decibel signal of a different tone is required.

### Features

- Plug-In Type
- Ac Models Are Volume Adjustable
- Universal Adaptable® Mounts Directly on Surface or Electrical Box
- Corrosion Resistant Heat Flowed Epoxy Finish
- UL 464 Listed & FM Approved



| Mfg. No. | Advanced ID | Volts | dB @ 10 ft. |
|----------|-------------|-------|-------------|
| 340A-G5  | 88085909    | 24V   | 70          |
| 340A-N5  | 88085910    | 120V  | 70          |

## Adaptabel® AC Vibrating Bells

Edwards Signaling and Security Systems

AC vibrating bells produce a long continuous ringing sound. the striker continues to strike the gong in rapid-fire action as long as current is applied. Specified for timing, scheduling, paging and general alarm applications.

### Features

- Universal Adaptable Mounts Directly on Surface or Electrical Box
- Weatherproof by Adding Appropriate Back Box
- Completely Assembled, All Hardware Supplied
- Shockproof Die Cast Housing
- Dustproof
- UL 464 & CSFM Listed, FM Approved



| Mfg. No.                | Advanced ID | Volts | dB @ 10 ft. |
|-------------------------|-------------|-------|-------------|
| <b>4 in. Gong Size</b>  |             |       |             |
| 340-4G5                 | 88085902    | 24V   | 88          |
| 340-4N5                 | 88085903    | 120V  | 88          |
| <b>6 in. Gong Size</b>  |             |       |             |
| 340-6G5                 | 88085906    | 24V   | 92          |
| 340-6N5                 | 88085907    | 120V  | 92          |
| <b>10 in. Gong Size</b> |             |       |             |
| 340-10G5                | 88085898    | 24V   | 96          |
| 340-10N5                | 88085899    | 120V  | 96          |

### AdaptaHorn® Grille Type Vibrating Horn

Edwards Signaling and Security Systems

The 874 Series are low-current, high decibel surface mount vibrating horns for heavy-duty use. Supplied complete with Adaptable® for easy installation. Mountable on any single gang box, or 3¼ in., 3½ in., or 4 in. octagon or square box. Projects only 2 in. from mounting surface.



#### Features

- PLC Compatible Models
- Corrosion Resistant Finish
- Volume Adjustable
- Completely Assembled
- UL Listed & FM Approved
- 103 dB @ 10 ft.

| Mfg. No. | Advanced ID     | Sound Level      |
|----------|-----------------|------------------|
| 874-N5   | <b>88086220</b> | 103 dB at 10 ft. |
| 874-G5   | <b>88086219</b> | 103 dB at 10 ft. |

### AdaptaHorn® Grille Weatherproof Type

Edwards Signaling and Security Systems

Die cast weatherproof box comes completely assembled to speed installation. Mounts on conduit or any flat surface. Top hole drilled and tapped for ¾ in. - 14 NPT. Knockouts are located on bottom and rear of the unit.



#### Features

- PLC Compatible Models
- Corrosion Resistant Finish
- Volume Adjustable
- Completely Assembled
- UL Listed & FM Approved
- NEMA 4X Enclosure
- 103 dB @ 10 ft. (877-G1 is 101 dB @ 10 ft.)

| Mfg. No. | Advanced ID     | Sound Level      |
|----------|-----------------|------------------|
| 876-N5   | <b>88086228</b> | 103 dB at 10 ft. |
| 876-G5   | <b>88086227</b> | 103 dB at 10 ft. |
| 877-G1   | <b>88086230</b> | 101 dB at 10 ft. |

### AdaptaHorn® Panel Mount Vibrating Horn

Edwards Signaling and Security Systems

The 870P Series are low current, high decibel panel mount vibrating horns for heavy-duty use. Designed for panel mounting or installation on a 4 in. square box. Becomes weatherproof when installed with supplied gasket.



#### Features

- PLC Compatible Models
- Corrosion Resistant Finish
- Volume Adjustable
- Completely Assembled
- NEMA Type 4X Rated & UL Listed
- 103 dB @ 10 ft.

| Mfg. No. | Advanced ID     | Sound Level      |
|----------|-----------------|------------------|
| 870P-N5  | <b>93148145</b> | 103 dB at 10 ft. |
| 870P-G5  | <b>97211701</b> | 103 dB at 10 ft. |

### Adaptatone® Millennium Multiple Tone Signal

Edwards Signaling and Security Systems

The 5530M Series is a heavy-duty industrial, tone-selectable, signaling device capable of producing volume-controlled, high-decibel tones. Typical applications include emergency warning systems, plant evacuation and security intrusion alarms.



#### Features

- 27 Tone Capability - No Additional Tone Models Needed
- PLC Compatible
- Suitable for Division 2 Locations
- NEMA Type 3R
- UL 464 and 1604 Listed
- Class I, Groups F & G; and Class III Hazardous Locs Div 2, Groups A, B, C & D; Class II Div 2
- 110 dB @ 10 ft.

| Mfg. No.             | Advanced ID     | Sound Level     |
|----------------------|-----------------|-----------------|
| <b>Single Output</b> |                 |                 |
| 5530M-24Y6           | <b>99505498</b> | 110 dB @ 10 ft. |
| <b>Four Outputs</b>  |                 |                 |
| 5531M-24Y6           | <b>99505506</b> | 110 dB @ 10 ft. |

### Duotronic® Horns and Sirens

Edwards Signaling and Security Systems

The 5520 Series is low current, high performance, high decibel signals which may be coded or used as a continuous alarm. Designed to function as either a horn or siren by setting an internal, tamper-proof switch.



#### Features

- Weatherproofed by Adding 349 Backbox
- Easy Adaptable Installation
- UL 464 Listed & FM Approved
- 114 dB @ 10 ft.

| Mfg. No. | Advanced ID     | Sound Level      |
|----------|-----------------|------------------|
| 5520-N5  | <b>88086026</b> | 114 dB at 10 ft. |

### Resonating Horn

Federal Signal Corp.

#### Benefits

- Indoor or Outdoor Use
- Rugged Design Keeps Out Corrosive Dust and Vapors, Requiring Minimal Maintenance
- Diaphragm Resonates a Column of Air - Louder than the Vibrating Horn
- Cast Aluminum Housing with Brass Projector. Finished in Gray Enamel
- Frequency of Vibrating Diaphragm Produces a Smooth, Musical Quality Tone very much like that of an Air Horn
- ½ in. Conduit Mounting; Swivel Bracket Included—Must be Mounted in Strict Accordance with the Instructions
- Duty Cycle of 5 Minutes On and 5 Minutes Off. Customers with Applications that may Require Longer Duty Cycles Should Consider Electronic or Solid State Products like the Selectone®
- 105 dB @ 10 ft.



| Mfg. No. | Advanced ID     | Sound Level     |
|----------|-----------------|-----------------|
| 55-120-1 | <b>88095746</b> | 105 dB @ 10 ft. |

## SelecTone® Audible Signaling Device

Federal Signal Corp.

### Features

- The 300GC and 302GC are Speaker/Amplifiers with Built in Gain Control
- UL listed, and CSA-Approved for Indoor or Outdoor Use
- The X Class I Division 2 Environments
- 302 Series is 30W at 120V AC
- Combined or Stand Alone Applications
- 300 GC - 120 is 15W at 120V AC
- 300 GCX - 120 is 15W
- 110 dB @ 10 ft. (302GC Series: 114 dB @ 10 ft.)



| Mfg. No.   | Advanced ID     | Supply Voltage      |
|------------|-----------------|---------------------|
| 300GC-120  | <b>88095653</b> | 120V                |
| 300GCX-120 | <b>88095656</b> | 120-240V, 24V AC/DC |
| 302GC-120  | <b>88095663</b> | 120V                |
| 302GCX-120 | <b>88095664</b> | 120-240V, 24V AC/DC |

Other voltages available.

## Vibratone Horn

Federal Signal Corp.

### Benefits

- Vibrating Horn Capable of Reproducing Coded Blasts or Sustained Tones.
- Excellent for General Alarm, Start/Dismissal, Coded Paging, Process Control Signaling in High dB Areas
- Compact Size ( 4 x 4 x 2½ in.)
- Model 350, 120 AC
- Model 450, 24 DC
- NB Back Box for Indoor, WB for Outdoor
- Housing is Made of Die-Cast Zinc with Gray Enamel Finish. Model 350 has Black Finish is Also Available - Model 350-120-30B
- 100 dB @ 10 ft. (450-024-31: 99 dB @ 10 ft.)



| Mfg. No.   | Advanced ID     | Supply Voltage |
|------------|-----------------|----------------|
| 350-120-30 | <b>88095679</b> | AC             |
| 450-024-31 | <b>88095728</b> | DC             |

Other voltages available.

## Litestak® Sound Module

Federal Signal Corp.

Modular unit attaches to any Litestak™ configuration of up to four colors. Can be used as a stand-alone audible device when used with one of the LiteStak™ bases (model LSB-024-240 or LSBS). 18 different tones. Indoor-use only. These units are intended to be used in low ambient noise environments. Surface or ¾ in. pipe mount.



| Mfg. No. | Advanced ID     | Lens Color |
|----------|-----------------|------------|
| LSS-120  | <b>97213643</b> | -          |

## Litestak® Status Indicator Modules

Federal Signal Corp.

Primary use is for status indication—indoor only. This unit is customer assembled by “plugging” one module onto the next, and ultimately on to one of the “Base Models”, LSB-120V, LSB-024-240V. The top cap is supplied with the base, and the lenses are included with the various LSL models. Wiring is accomplished by using the wires provided with the base model. Color-coded wires correspond to a specific colored LSL module no matter where it is located in the stack.



### Benefits

- Ideal Applications are Assembly or Conveyer Lines, Instrument Panels and Work-Cell Areas
- No Hot Spot. We Designed the Product for the Complete Lens to be Filled with Light, and therefore has a Greater Visible Area to be Seen by the Intended Party

| Mfg. No.    | Advanced ID     | Lens  |
|-------------|-----------------|-------|
| LSL-120R    | <b>91003371</b> | Red   |
| LSL-120A    | <b>91003372</b> | Amber |
| LSL-120B    | <b>91003366</b> | Blue  |
| LSL-120C    | <b>91003367</b> | Clear |
| LSL-120G    | <b>91003369</b> | Green |
| LSB-120     | <b>91003365</b> | -     |
| LSB-024-240 | <b>95023571</b> | -     |



### 27XST Explosion-Proof Strobe Light

Federal Signal Corp.

The Model 27XST Series C explosion-proof strobe light is UL listed for explosion-proof (UL844) and marine (UL595)



locations. It is also listed for Class I, Division 1, Group C and D; Class I, Division 2, Groups A, B, C and D; Class II, Division 1 and 2, Groups E, F and G; and Class III.

#### Benefits

- The 27XST is NEMA 4X Rated and is Constructed to IP66 Specifications. Also CSA Approved
- This Product has a Corrosion Resistance Powder Epoxy Finish Applied over the Copper-Free Aluminum Housing. All Exposed Hardware is 316-Grade Stainless Steel
- This Explosion-Proof Warning Light comes Standard in a Pendant Mount for 3/4 in. NPT Threaded Pipe. Mounting Options are Available for Ceiling and Wall Mounting. A Dome Guard is also Available—Model DGXC for Ceiling Mount
- The Model 27XST Strobe Light Provides 80 High Intensity Flashes per Minute
- The Unique Electrical Contact Block allows for Wiring of the Mounting Portion upon Installation. After the Electrical Connection is Made, the Light Fixture is Simply Screwed into the Mount. Once Five Revolutions are Made, Electrical Contact is Complete. This Allows for Ease of Installation and Maintenance
- Supply Voltage: 120V AC, 50/60 Hz

| Mfg. No.     | Advanced ID | Lens Color | Lamp Type   |
|--------------|-------------|------------|-------------|
| 27XST-120ASC | 93160423    | Amber      | Strobe Tube |
| 27XST-120BSC | 93160424    | Blue       | Strobe Tube |
| 27XST-120CSC | 99511477    | Clear      | Strobe Tube |
| 27XST-120GSC | 99511478    | Green      | Strobe Tube |
| 27XST-120MSC | 97213670    | Magenta    | Strobe Tube |
| 27XST-120RSC | 93160425    | Red        | Strobe Tube |

### AV1ST Strobe Combination Audible/Visual Signal

Federal Signal Corp.

An economical combination audible/visual signal with many applications.



#### Benefits

- NEMA 3R Rated for Rain Tight Applications
- Black Base will Accommodate Mounting to a 1/2 in. Pipe, a Four Inch Octagon Electrical Box or any Flat Surface
- Surface Mount Gasket Serves as a Template for Preparing a Flat Surface with Appropriate Mounting Holes. Mounting Pattern is Identical to the Edwards Model 51
- Unique Detent Twist on Lens Design Allows for Tool Free Access to the 25W Incandescent Lamp
- Fresnel Lens in Five Available Colors Provides Superior Visibility in all Directions
- Sounder is Synchronized to Buzz at Same Rate as the Visual Signal—75 Times per Minute
- Factory Assembled with Two Color Coded Leads. The User can Remove the Leads and Supply Connections to the Terminal Block Located in the Base of the Unit
- The Horn is Mounted Inside the Metal Base and is Rated at 85dB at 10 ft. The Horn is Rated at 85dB Outside of the Housing, Inside the Light the Horn only Produces 71dB
- Supply Voltage: 120V AC, 50/60 HZ

| Mfg. No.   | Advanced ID | Lens Color | Lamp Type   |
|------------|-------------|------------|-------------|
| AV1ST-120A | 99511400    | Amber      | Strobe Tube |
| AV1ST-120B | 99511401    | Blue       | Strobe Tube |
| AV1ST-120C | 99511402    | Clear      | Strobe Tube |
| AV1ST-120G | 99511403    | Green      | Strobe Tube |
| AV1ST-120R | 99511404    | Red        | Strobe Tube |

### AdaptaBeacon® Adverse Location Signal

Edwards Signaling and Security Systems

The 105 Series are heavy duty beacons designed for use in industrial applications where a corrosion resistant Type 4X enclosure is required.



#### Features

- Corrosion Resistant
- Multiple Light Sources - Steady-On LED, 3 Joule Strobe
- Lamp Rating - 100,000 Hours for LED; 3,000 Hours for Strobe
- Type 4X, Marine Rated, Div. 2, UL 1971 Listed Model
- UL 1638 and 1604 Listed
- Supply Voltage: 120V AC

#### Accessories - Order Separately

- 105PM - Pipe Mount
- 105BX - Mounting Box
- 105BM - Mounting Bracket

| Mfg. No.    | Advanced ID | Lens Color | Lamp Type |
|-------------|-------------|------------|-----------|
| 105FLEDR-N5 | 97211144    | Clear      | Red LED   |
| 105FLEDA-N5 | 97211140    | Clear      | Amber LED |
| 105STR-N5   | 97211197    | Red        | Strobe    |
| 105STA-N5   | 97211182    | Amber      | Strobe    |



## AdaptaBeacon® Lights

Edwards Signaling and Security Systems



Series 50, 51 and 52 lights are designed to provide a bright visual indication using special optics within a shatter resistant polycarbonate lens.

### Features

- Weatherproof
- Cast Base Can Be Used as a Junction Box
- UL 1638 Listed
- CSA Certified C22.2 No. 205
- 50 & 51 Series Are PLC Compatible
- 51 Series Internal Base Mounted Horn Rated at 85 dB at 10 ft.
- 52 Series Rotates at 75 Revolutions Per Minute
- Supply Voltage: 120V AC

### Replacement Lamp

50LMP-40WH - 40 Watt Halogen for 50 & 52 Series

| Mfg. No.                                  | Advanced ID     | Lens Color | Lamp Type   |
|---|-----------------|------------|-------------|
| <b>50 Series Flashing Light</b>           |                 |            |             |
| 50R-N5-40WH                               | <b>96092187</b> | Red        | 40W Halogen |
| 50A-N5-40WH                               | <b>96092192</b> | Amber      | 40W Halogen |
| <b>51 Series Flashing Light with Horn</b> |                 |            |             |
| 51R-N5-40W                                | <b>88086003</b> | Red        | 40W         |
| 51A-N5-40W                                | <b>88086001</b> | Amber      | 40W         |
| <b>52 Series Rotating Lights</b>          |                 |            |             |
| 52R-N5-40WH                               | <b>96092175</b> | Red        | 40W Halogen |
| 52A-N5-40WH                               | <b>96092180</b> | Amber      | 40W Halogen |

## AdaptaBeacon® Strobes

Edwards Signaling and Security Systems

The 104ST Series are designed for light duty applications where short term intermittent visual signaling is required. Edwards strobe lights are particularly effective in high noise areas where ear protection must be worn and audible signals may not be heard.



### Features

- NEMA Type 4X
- Panel or Conduit Mounted
- 300,000 Peak Candela
- 120,000 Hour Light Source
- Immune to Shock and Vibration
- UL 1638 Listed
- Supply Voltage: 120V AC

| Mfg. No.  | Advanced ID     | Lens Color | Lamp Type |
|-----------|-----------------|------------|-----------|
| 104STR-N5 | <b>97200034</b> | Red        | Strobe    |
| 104STA-N5 | <b>97200030</b> | Amber      | Strobe    |

## Chameleon™ LED Multi-Status Indicator

Edwards Signaling and Security Systems

The 103 Series functions as a steady or flashing visual signal. The Chameleon is designed to flash any one or all three lights activated by a PLC. Edwards long life multi-status visual indicators are ideal for use where smaller lights are specified and multi status indication is required.



### Features

- Weatherproof
- 3 Visual Signals in One Compact Housing
- Multiple LED Clusters in Red, Green and Amber or Red, Blue and Amber
- 120,000 Hour Light Source
- Panel or Conduit Mounted
- UL Listed NEMA Type 4X
- UL 1638 Listed
- Supply Voltage: 120V AC

| Mfg. No.   | Advanced ID     | Lens Color | Lamp Type             |
|------------|-----------------|------------|-----------------------|
| 103-RBA-N5 | <b>99505480</b> | Clear      | Red, Blue, Amber LED  |
| 103-RGA-N5 | <b>99505483</b> | Clear      | Red, Green, Amber LED |

## Commander® Rotating Warning Light

Federal Signal Corp.

A powerful rotating light mounted to a pivoting yoke allowing the light beam to be adjusted through 90° from horizontal to vertical.



### Benefits

- Recommended for Heavy Duty Industrial Applications where Ambient Noise Levels Reduce Effectiveness of Audible Signals
- Excellent on Cranes, Process Control Monitoring or any other Area that Requires a Highly Durable and Dependable Warning Light
- Utilizes Motor Cooling Fan and External Cooling Fins
- Model 371 Features a High Temperature-Resistant Glass Dome and 200W Sealed Beam
- Both Products are Designed to be Surface Mounted, or One Inch Pipe Mounted. An Optional Surface Mounting Plate Allows for Side Entry of Wiring when Mounted on a Solid Surface (i.e. Brick Wall with no Opportunity for Wiring to be Passed Through the Bottom Hole of Fixture). An Optional Shock Mount Kit is Available for Severe Operating Conditions
- Supply Voltage: 120V AC, 50/60 Hz

| Mfg. No. | Advanced ID     | Lens Color | Lamp Type        |
|----------|-----------------|------------|------------------|
| 371-120A | <b>88095682</b> | Amber      | 200W Sealed Beam |
| 371-120B | <b>92071449</b> | Blue       | 200W Sealed Beam |
| 371-120R | <b>88095683</b> | Red        | 200W Sealed Beam |

### Electraflash® Strobe Warning Light

Federal Signal Corp.

The Model 141ST Strobe Light is an affordable visual signal which is suited for light-duty use. Unit is less than 6 in. high and 6 in. in diameter.



#### Benefits

- Rated for NEMA 3R Applications, which means that the Enclosure is Protected Against Rain – when Mounted Upright
- UL Listed and CSA Approved
- There are Two Mounting Configurations, Surface and 1/2 in. Pipe Mount
- 120V AC

| Mfg. No.   | Advanced ID     | Lens Color | Lamp Type   |
|------------|-----------------|------------|-------------|
| 141ST-120A | <b>92071479</b> | Amber      | Strobe Tube |
| 141ST-120B | <b>92071480</b> | Blue       | Strobe Tube |
| 141ST-120G | <b>97213663</b> | Green      | Strobe Tube |
| 141ST-120R | <b>92071478</b> | Red        | Strobe Tube |

### Electraray® Hazardous Location Strobe Warning Light

Federal Signal Corp.

The Model 225XST "Electraray" is a powerful strobe light designed for use in areas electrically classified as hazardous, and provides 80 high intensity flashes per minute.



#### Benefits

- UL Listed as Meeting NEMA 4X Enclosure Requirements
- Effective Candlepower of 240 Candelas and 580,000 Peak Candlepower
- UL Listed and CSA Approved for Class I, Division 2, Groups A, B, C and D; Class II, Division 2, Groups F and G; and Class III
- Has a High Intensity Strobe Tube with an Expected Life of 10,000 Hours
- The Smooth Dome on the Exterior of this Unit Gives this Strobe Light the Ability to Shed Air Borne Dust and Dirt
- Supply Voltage: 120V AC, 50/60 Hz

| Mfg. No.    | Advanced ID     | Lens Color | Lamp Type   |
|-------------|-----------------|------------|-------------|
| 225XST-120A | <b>95004152</b> | Amber      | Strobe Tube |
| 225XST-120B | <b>95004153</b> | Blue       | Strobe Tube |
| 225XST-120C | <b>95004154</b> | Clear      | Strobe Tube |
| 225XST-120G | <b>95004155</b> | Green      | Strobe Tube |
| 225XST-120R | <b>95004156</b> | Red        | Strobe Tube |
| 225XST-120M | <b>99850238</b> | Magenta    | Strobe Tube |

### Electraray® Rotating Warning Light

Federal Signal Corp.

A very economical rotating light. By simply removing a single screw, the dome can be removed by pushing down and twisting for inspection and relamping.



#### Benefits

- An Injection-Molded Reflector Rotates Around a 25W Bayonet Lamp Producing 90 Flashes per Minute
- Basic Warning Light for Calling Attention to Emergency Situations or Process Control Changes. The 4X Enclosure is a Key Feature
- Supply Voltage: 120V AC 50/60 Hz

| Mfg. No. | Advanced ID     | Lens Color | Lamp Type    |
|----------|-----------------|------------|--------------|
| 225-120A | <b>89030496</b> | Amber      | Incandescent |
| 225-120B | <b>92071451</b> | Blue       | Incandescent |
| 225-120C | <b>92071452</b> | Clear      | Incandescent |
| 225-120G | <b>92071453</b> | Green      | Incandescent |
| 225-120R | <b>89030495</b> | Red        | Incandescent |

### Fireball® Strobe Warning Light

Federal Signal Corp.

The Model FB2PST Strobe Light is compact with a high-intensity light output. This unit is used in a wide range of stationary applications.



#### Benefits

- Rated for NEMA 4X Applications
- Integrated 1/2 in. Pipe and Surface Mount
- Additional Mounting Options are Wall (LWMB2) or Corner (LCMB2) with the Appropriate Bracket
- Provides One Million Peak Candlepower
- Very Low Maintenance Warning Light for Industrial use where a Vibration-Resistant Light is Required
- Available in Amber, Blue, Clear, Green or Red
- Supply Voltage: 120V AC, 50/60Hz

| Mfg. No.    | Advanced ID     | Lens Color | Lamp Type |
|-------------|-----------------|------------|-----------|
| FB2PST-120A | <b>88095809</b> | Amber      | Strobe    |
| FB2PST-120R | <b>88095807</b> | Red        | Strobe    |

## Hazardous Location Warning Light

Federal Signal Corp.

The Model 151XST is a rugged designed strobe light suitable for areas electrically classified as hazardous.



### Benefits

- UL Listed and CSA Approved for Class I, Division 2, Group A, B, C and D; Class II, Division 1 and 2, Groups E, F and G; and Class III
- UL Tested to Meet NEMA 4X Enclosure Specifications and is Constructed to IP66 Standards
- Listed for Marine Use (UL595)
- A Dome Guard is Standard with this Product and Fits over the Glass Dome to Protect it Against Accidental Breakage
- Effective Candlepower (ECP) of 165 Candelas and a 520,000 Peak Candlepower
- Provided with a Strobe Tube with an Expected Lamp Life of 10,000 Hours, Based on Optimal Conditions
- Has an Aluminum Base, Coated for Corrosion Resistance and Comes Ready for Mounting on a 3/4 in. Pipe
- Available in Amber, Blue, Clear, Green or Red
- Supply Voltage: 120V AC

| Mfg. No.    | Advanced ID | Lens Color | Lamp Type   |
|-------------|-------------|------------|-------------|
| 151XST-120A | 93160437    | Amber      | Strobe Tube |
| 151XST-120B | 93160438    | Blue       | Strobe Tube |
| 151XST-120C | 93160440    | Clear      | Strobe Tube |
| 151XST-120G | 93160439    | Green      | Strobe Tube |
| 151XST-120M | 99511377    | Magenta    | Strobe Tube |
| 151XST-120R | 92142227    | Red        | Strobe Tube |

## Starfire® Strobe Warning Light

Federal Signal Corp.

The Model 131ST/DST Strobe Light, "Starfire," Strobe warning light is our brightest medium duty strobe.



Available in both a single and double flash version, the double flash unit (DST) produces 1,200 effective candlepower and the single flash unit (ST) produces 1,000 effective candlepower.

### Benefits

- NEMA 3R Rated, UL Listed & CSA Approved
- The Strobe Flash Tube is Mounted in an Eight-Pin Octal Socket Base and is Resistant to Vibration and Harsh Environmental Conditions
- Can also be 1/2 in. Pipe Mounted, and with Optional Mounting Brackets for Corner and Wall Installations
- Supply Voltage: 120V AC, 50/60 Hz

| Mfg. No.                 | Advanced ID | Lens Color | Lamp Type |
|--------------------------|-------------|------------|-----------|
| <b>Single Flash Unit</b> |             |            |           |
| 131ST-120R               | 88095605    | Red        | Strobe    |
| 131ST-120A               | 88095603    | Amber      | Strobe    |
| 131ST-120B               | 88095604    | Blue       | Strobe    |
| 131ST-120C               | 92071488    | Clear      | Strobe    |
| 131ST-120G               | 92071489    | Green      | Strobe    |
| <b>Double Flash Unit</b> |             |            |           |
| 131DST-120A              | 90000481    | Amber      | Strobe    |
| 131DST-120B              | 90083110    | Blue       | Strobe    |
| 131DST-120C              | 97213656    | Clear      | Strobe    |
| 131DST-120G              | 97213657    | Green      | Strobe    |
| 131DST-120R              | 88317779    | Red        | Strobe    |

## Streamline® Low Profile Strobe Light

Federal Signal Corp.

The Model LP3 is a low profile product that provides excellent illumination for



numerous applications in all types of industrial and commercial areas. It requires minimum space on panels and enclosures. The LP3 enclosure is a NEMA 4X product suitable for hose-down areas, corrosive environments, and outdoor applications. Exceptions to the 4X enclosure are the LP3E which is NEMA 3R (because of the Edison lamp base) and the LP3T in the 12-48 volt version (because the power leads extend out the side of the fixture).

### Benefits

- There are Five Mounting Configurations for this Product:
- Utilizes a Linear Strobe Tube and Provides 175,000 Peak Candlepower
- Supply Voltage: 120V AC, 50/60 Hz

| Mfg. No.                         | Advanced ID | Lens Color | Lamp Type   |
|----------------------------------|-------------|------------|-------------|
| <b>Edison Screw in Base</b>      |             |            |             |
| LP3E-120A                        | 99511410    | Amber      | Strobe Tube |
| LP3E-120B                        | 99511411    | Blue       | Strobe Tube |
| LP3E-120C                        | 99511412    | Clear      | Strobe Tube |
| LP3E-120G                        | 99480450    | Green      | Strobe Tube |
| LP3E-120R                        | 99480448    | Red        | Strobe Tube |
| <b>1/2 in. Male Pipe Mount</b>   |             |            |             |
| LP3M-120A                        | 99480446    | Amber      | Strobe Tube |
| LP3M-120B                        | 99511423    | Blue       | Strobe Tube |
| LP3M-120C                        | 99511424    | Clear      | Strobe Tube |
| LP3M-120G                        | 99480443    | Green      | Strobe Tube |
| LP3M-120R                        | 99480445    | Red        | Strobe Tube |
| <b>1/2 in. Female Pipe Mount</b> |             |            |             |
| LP3P-120A                        | 99480433    | Amber      | Strobe Tube |
| LP3P-120B                        | 99511303    | Blue       | Strobe Tube |
| LP3P-120C                        | 99511304    | Clear      | Strobe Tube |
| LP3P-120G                        | 99480441    | Green      | Strobe Tube |
| LP3P-120R                        | 99480435    | Red        | Strobe Tube |
| <b>Surface Mount</b>             |             |            |             |
| LP3S-120A                        | 99418154    | Amber      | Strobe Tube |
| LP3S-120B                        | 99418155    | Blue       | Strobe Tube |
| LP3S-120C                        | 99418156    | Clear      | Strobe Tube |
| LP3S-120G                        | 99418157    | Green      | Strobe Tube |
| LP3S-120R                        | 99418158    | Red        | Strobe Tube |
| <b>T-Mount</b>                   |             |            |             |
| LP3T-120A                        | 99511336    | Amber      | Strobe Tube |
| LP3T-120B                        | 99511337    | Blue       | Strobe Tube |
| LP3T-120C                        | 99511338    | Clear      | Strobe Tube |
| LP3T-120G                        | 99511339    | Green      | Strobe Tube |
| LP3T-120R                        | 99511340    | Red        | Strobe Tube |

### VALS Visalert® Strobe Light

Federal Signal Corp.

VALS "Visalert" Strobe Light is a three dimensional, triangular warning light designed to be a free-standing strobe light. It can also be mounted on either a Federal Signal model 350 "Vibratone" horn or a Federal Signal model 50GC "Selectone" speaker/amplifier. It is ideal where a low intensity, small strobe is required. Ideal for OEM applications needing a visual signal.



#### Benefits

- Uses a Linear Strobe Tube and all Circuitry is Contained within the Lens. The Strobe is Replaceable and is Rated for 4000 Hours
- Knockouts on the Model 50GC and the Model 350 Audible Devices Make for Easy Mounting and Wiring
- UL Listed, CSA Approved and Meets NEMA Type 3R Requirements. It is Constructed to IP44 Requirements
- Supply Voltage: 120VAC, 50/60 Hz

| Mfg. No.  | Advanced ID     | Lens Color | Lamp Type   |
|-----------|-----------------|------------|-------------|
| VALS-120A | <b>95004126</b> | Amber      | Strobe Tube |
| VALS-120B | <b>99511467</b> | Blue       | Strobe Tube |
| VALS-120C | <b>95004121</b> | Clear      | Strobe Tube |
| VALS-120G | <b>97213508</b> | Green      | Strobe Tube |
| VALS-120R | <b>95004122</b> | Red        | Strobe Tube |

### Class 2 Signaling Transformers

Edwards Signaling and Security Systems

Easy-to-install, low voltage power source for residential, commercial and industrial applications.

#### Features

- Non-Regenerative Thermal Overload Protection
- Grounding Wire
- Pre-Stripped Pigtails
- Screw Terminal Connections on Secondary
- UL Listed for 50/60Hz Operation
- CSA Certified



| Mfg. No. | Advanced ID     | Primary Voltage | Secondary Voltage | VA  |
|----------|-----------------|-----------------|-------------------|-----|
| 590      | <b>88086098</b> | 120V AC         | 10                | 5W  |
| 592      | <b>88086102</b> | 120V AC         | 8/16              | 10W |
|          |                 |                 | 24                | 20W |
| 596      | <b>88086106</b> | 120V AC         | 6                 | 10W |
|          |                 |                 | 12/18             | 15W |
| 598      | <b>88086107</b> | 240V AC         | 8                 | 20W |
|          |                 |                 | 16/24             | 30W |
| 599      | <b>88086109</b> | 240V AC         | 24                | 40W |

### Vitalite® Rotating Warning Light

Federal Signal Corp.

This economical rotating light utilizing a long life 40W incandescent lamp with a twist and lock base. The lamp socket is electrically insulated for greater safety, and is Federal's most popular light.



#### Benefits

- Twist and Lock Dome which Allows for Fast and Easy Access to Inspect and Change the Lamp
- Has a High Quality Synchron Clock Motor which Drives a Parabolic Reflector Around the Stationary Lamp Producing 60 Flashes per Minute
- Used for Emergency Warning or Status Indication in High Ambient Noise Level Areas
- UL Listed, CSA Pending, Type 4X, IP66 Enclosure. Pipe or Surface Mount
- Supply Voltage 120V AC, 50/60 Hz

| Mfg. No.  | Advanced ID     | Lens Color | Lamp Type    |
|-----------|-----------------|------------|--------------|
| 121S-120A | <b>88095598</b> | Amber      | Incandescent |
| 121S-120B | <b>88095599</b> | Blue       | Incandescent |
| 121S-120C | <b>88095600</b> | Clear      | Incandescent |
| 121S-120G | <b>88320065</b> | Green      | Incandescent |
| 121S-120R | <b>88095601</b> | Red        | Incandescent |

### Heavy Duty Power Transformers

Edwards Signaling and Security Systems

The 88 Series transformers provide low voltage source 50 to 100 volt amps for all large signaling installations. Used for heavy duty industrial and commercial applications.



#### Features

- Enclosed Connections
- Primary Pigtails
- Screw Terminal Connections on Secondary
- UL Listed

| Mfg. No. | Advanced ID     | Primary Voltage | Secondary Voltage | VA   |
|----------|-----------------|-----------------|-------------------|------|
| 88-50    | <b>88086247</b> | 120V AC         | 24                | 50W  |
| 88-100   | <b>88086245</b> | 120V AC         | 24                | 100W |



## AdaptaBeacon® Wall Mount Bracket

Edwards Signaling and Security Systems

The WBR wall mounting bracket simplifies the installation of Edwards AdaptaBeacons.

### Features

- Made of Stainless Steel
- For Use With AdaptaBeacon® 48, 49, 50, 51, 52, 58, 90, 92, 93, 94, 95, 96, 97, & 101 Series.

1/2 in. or 3/4 in. Pipe Mounted Beacon Lights



| Mfg. No. | Advanced ID | Description           |
|----------|-------------|-----------------------|
| WBR      | 97144235    | Wall Mounting Bracket |

## Adaptabel® Backbox

Edwards Signaling and Security Systems

### Features

- Tapped for 3/4 in. Conduit
- Molded Neoprene Gasket
- Corrosion Resistant Finish
- Weatherproof Boxes UL Listed for Outdoor Use
- Constructed of Rugged Die Cast Aluminum
- For Use With Series 340, 435, or 439D



| Mfg. No. | Advanced ID | Description                                       |
|----------|-------------|---|
| 349      | 88085916    | Back box to add functionality or look of the bell |

## Magnetic Switches

Edwards Signaling and Security Systems

For use in commercial, industrial and residential security systems and signaling devices. 2 1/8 in. center mounting holes.



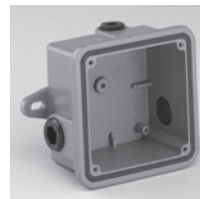
| Mfg. No. | Advanced ID | Description                                    |
|----------|-------------|--|
| 60       | 88086110    | Residential; NO Switch; Gray; 100V, 50 mA      |
| 61       | 88086114    | Commercial; SPDT Switch; Gray; 30V, 250 mA     |
| 62       | 88086115    | Industrial; NC Switch; Gray; 30V, 250 mA       |
| 63       | 88086122    | Residential; NO Switch; White; 100V, 50 mA     |
| 64       | 88086128    | Alarm Systems; SPDT Switch; White; 30V, 250 mA |
| 65       | 88086129    | Alarm Systems; NC Switch; White; 30V, 250 mA   |

### Signaling Devices, Accessories

Federal Signal Corp.



LWMB2



WB

| Mfg. No. | Advanced ID              | Description   |
|----------|--------------------------|---|
| LWMB2    | <a href="#">88095828</a> | Wall Mounting Kit; Federal Signal's Stationary Warning Lights Weatherproof Housing, 4 <sup>3</sup> / <sub>8</sub> W x 4 <sup>3</sup> / <sub>8</sub> H x 2D in.; Model 350/450 Horns Signaling Device, Universal Tone Module, Microcontroller-Based Tone Generator, Capable of Producing 32 Different Tones; SelectTone System or a Single SelectTone Device |
| WB       | <a href="#">88095869</a> |   |
| UTM      | <a href="#">94041252</a> |   |

### Electronic Time Switches

Intermatic, Inc.

Electronic time switches provide to-the-minute programming for 7-day or full year load control and reduced energy costs.

#### Features

- Selectable Clock Format 12 and 24 hrs. For Programming 400 Set Points
- Each On and Off Switching Function Uses a Set Point
- Full Year Control Features Include up to 99 Different "Holidays" can be Programmed
- Minimum Time Setting: 1 min
- Maximum On/Off Cycles: 400 Set Points
- Color: Gray



| Mfg. No.  | Advanced ID              | Voltage Rating  | Number of Circuits | Maximum Time Setting |
|-----------|--------------------------|-----------------|--------------------|----------------------|
| ET70115C  | <a href="#">96012772</a> | 120/208/240/277 | 1-Circuit          | 6 d 23 hr. 59 min    |
| ET70215C  | <a href="#">96012773</a> | 120/208/240/277 | 2-Circuit          | 6 d 23 hr. 59 min    |
| ET70415CR | <a href="#">96049522</a> | 120/208/240/277 | 4-Circuit          | 6 d 23 hr. 59 min    |

### Electronic Time Switches

Intermatic, Inc.

Electronic time switches provide the same dependable and uncomplicated performance as mechanical time switches. Programming for accurate load control and reduced energy cost.

#### Features

- Time Setting and Programming Using 2 Slide Switches and 4 Push Buttons
- Up to 8 Set Points or Events can be Preset for Automatic Daily Repeat
- Program can be Overridden at any Time Using the Manual Selector Switch
- Minimum Time Setting: 1 min
- Maximum On/Off Cycles: 8 On 8 Off
- Color: Gray



| Mfg. No. | Advanced ID              | Voltage Rating | Number of Circuits | Maximum Time Setting |
|----------|--------------------------|----------------|--------------------|----------------------|
| ET100C   | <a href="#">90053309</a> | 120V           | 1-Circuit          | 23 hr. 59 min        |
| ET103C*  | <a href="#">90053310</a> | 120V           | 1-Circuit          | 23 hr. 59 min        |
| ET104C   | <a href="#">92038657</a> | 120-277V       | 1-Circuit          | 23 hr. 59 min        |
| ET171C   | <a href="#">91024192</a> | 120V           | 1-Circuit          | 6 d 23 hr. 59 min    |
| ET173C   | <a href="#">91009002</a> | 120V           | 1-Circuit          | 6 d 23 hr. 59 min    |
| ET279C   | <a href="#">92094288</a> | 120V           | 2-Circuit          | 6 d 23 hr. 59 min    |

\*Contact Type is DPST



## Lockout/Tagout Kit

IDEAL INDUSTRIES, INC.

### Features

- Excellent Selection of Lockout/Tagout Devices for Maintenance Workers and Contractors
- Small Zipper Pouch Features Belt Loops and Rings to Clip to Belt or Tool Pouch



| Mfg. No. | Advanced ID | Description            |
|----------|-------------|------------------------|
| 44-971   | 94043946    | Nylon zipper pouch kit |

## Lockout Hasps

Panduit



More than one worker can lockout the same energy source for added safety. Heavy duty hasps have tamper-proof design to eliminate vandalism.

### Features

- Multiple Lockout Device
- Red in Color

| Mfg. No. | Advanced ID | Description                          |
|----------|-------------|--------------------------------------|
| PSL-1A   | 93145627    | Lockout HASP with 1 in. diameter jaw |
| PSL-MLD  | 97107548    | Multiple Lockout Device and Cable    |

## Multiple Lockout Device

Panduit

### Features

- Legend: "DANGER LOCKED OUT - DO NOT REMOVE"
- Constructed of Rugged Nylon and Stainless Steel Providing Strength, Durability, Added Security and Corrosion Resistance
- Red in Color
- Compact and Easy to Install
- Only One Device Needed to Perform a Variety of Lockout Functions



| Mfg. No.    | Advanced ID | Description   |
|-------------|-------------|---|
| PSL-MLDC    | 97119113    | 6 ft. vinyl coated galvanized steel cable with loop hole.             |
| PSL-MLDC200 | 99493135    | 200 ft. vinyl coated galvanized steel cable on roll without loop hole |

## Industrial Plug Lockout Device

Panduit

### Features

- Fits Most 120V AC Plugs
- Prevents Energization of a Corded Plug
- Lockout Device for a Wide Range of 120V AC and Industrial Plug Connector Applications
- Requires a Hole in a Blade of the Plug
- Should be Used with Locks that have a Minimum Shackle Length of 1.50 in. (38.00 mm)



| Mfg. No. | Advanced ID | For Use With                              |
|----------|-------------|---|
| PSL-P    | 95012019    | Individual plugs in a wide range of sizes |

## Lockout/Tagout Write-on Safety Tags

Panduit

### Features

- Meets OSHA Standard 1910.147 Requirements for Tagout Applications
- Semi-Rigid Plastic Tags with a .38 in. Brass Grommet for Greater Strength and Increased Durability
- Tags can be Attached with a Lockout Device or with a Panduit PLT25 Nylon Tie (50 lb. Loop Tensile Strength) Supplied with Each Tag
- Size: 3.00 W x 5<sup>3</sup>/<sub>4</sub> H, 0.38 in. Brass Grommet
- Material: GMV5 Semi-Rigid Plastic
- Colors: Red and Black/White



| Mfg. No. | Advanced ID | Description   |
|----------|-------------|---|
| PVT-41   | 89021227    | Plastic Tag, 'Do Not Operate', 5/PK   |
| PVT-98   | 91007459    | Plastic Tag, 'This Tag and Lock to be Removed only by Person Shown on Back', 5/PK |

## Toggle Switch Lockout Device

Panduit

### Features

- Quick Installation with Standard Screwdriver
- For Locking Out Electrical Supply Controlled by Ordinary Toggle Switches
- Compact Secure Design Fits Most Toggle Switches and Some Small Circuit Breakers
- Accommodates Switches .45 - .78 in. High x .25 - .38 in. Wide x .25 - .40 in. Thick
- Easily Attached without Removal of Face Plate or Screws



| Mfg. No. | Advanced ID | Description           | Material                  |
|----------|-------------|-----------------------|---------------------------|
| PSL-WS   | 92084751    | Toggle Switch Lockout | Nylon and Stainless Steel |

**Anchors**

|                       |          |
|-----------------------|----------|
| Cross-Plate.....      | 15-14    |
| Expanding.....        | 15-14    |
| Expanding - Rock..... | 15-14    |
| Helices.....          | 15-15    |
| Rods.....             | 15-15-16 |

**Deadends**

|             |          |
|-------------|----------|
| Clamps..... | 15-19    |
| Grip.....   | 15-17-18 |

**Distribution Apparatus**

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**Guy Strand**

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## Compact Ratchet Cable Cutters

Chance®

These patented conductor cutters are half the size and weight of standard ratchet cutters. They can get into such confining workspace as manholes and handholes. Their small size also saves on toolbox and warehouse storage. C-type jaws are heat-treated for lasting strength and sharpness. Stampings on the jaws indicate application limits. The reinforced-fiberglass handles are PVC-coated and protected by a vinyl sleeve. Thick vinyl grips shield the handle ends and help worker keep a steady grasp.



### Features

- Cable Capacity: 556 ACSR and 750 kcmil Aluminum or Copper
- Compact, Lightweight
- Heat-Treated Jaws, Reinforced Fiberglass Handles
- Maximum Opening 2 in.

| Mfg. No.  | Advanced ID | Overall Length |
|-----------|-------------|----------------|
| C403-2980 | 93148072    | 18 in.         |

NOTE: These cutters are not insulated hot line tools.

## Lever Type Wire Cutters

Chance®



For cutting jumper wires, live conductors and tie wires. Cutters are assembled and mounted on Chance Epoxiglas® insulated poles. A solid fiberglass-reinforced operating rod insulates the linemen from the cutter head. The lever handle is coated with plastisol. Lever action gives linemen added mechanical force to make clean cuts up to the maximum sizes recommended. Chance Epoxiglas® 1 1/4 in. diameter handles may be ordered separately. Handles may be easily attached to wire cutters or other hand tools for use in hot line maintenance or emergency repair work.

### Features

- Cable Capacity: 4/0 Stranded Copper or 4/0 ACSR
- Fiberglass Reinforced Rod, Plastisol Coated Handle

| Mfg. No. | Advanced ID | Overall Length |
|----------|-------------|----------------|
| H1873-6  | 88057203    | 6 ft. 7 in.    |

## Grip-All Clampsticks

Chance®



The most versatile tool in a lineworker's hands, the Grip-All Stick puts an easy-to-control "finger" on an insulated pole. Although primarily designed for installing hot-line and grounding clamps, it serves both overhead and underground circuits with various end fittings. The folding Hinged Style Stick is ideal for troubleshooters with limited tool-storage space in their cars and operates with the same features as the one-piece style. The Telescoping Stick can replace several conventional clampsticks. With fewer sticks, it still permits linemen to serve their many safe-working distances and positioning needs, reducing the number of clampsticks required on a line truck.

### Benefits

- Lexan® Head Allows Close-Quarter Operations
- Field Stripping Not Required to Clean

| Mfg. No.    | Advanced ID | Description                        | Length           |
|-------------|-------------|------------------------------------|------------------|
| C403-0291   | 88056740    | Single-Piece Clampstick, 1 1/4 in. | 4 ft. 5 in.      |
| C403-0292   | 88056741    | Single-Piece Clampstick, 1 1/4 in. | 6 ft. 5 1/2 in.  |
| C403-0292A‡ | 94057723    | Single-Piece Clampstick, 1 1/4 in. | 6 ft. 5 1/2 in.  |
| C403-0293   | 88056742    | Single-Piece Clampstick, 1 1/4 in. | 8 ft. 5 1/2 in.  |
| C403-0293A‡ | 92141732    | Single-Piece Clampstick, 1 1/4 in. | 8 ft. 5 1/2 in.  |
| C403-0294   | 88056743    | Single-Piece Clampstick, 1 1/4 in. | 10 ft. 5 1/2 in. |
| C403-0294A‡ | 90013810    | Single-Piece Clampstick, 1 1/4 in. | 10 ft. 5 1/2 in. |
| C403-0295   | 88056744    | Single-Piece Clampstick, 1 1/4 in. | 12 ft. 5 1/2 in. |
| C403-0297   | 88056746    | Hinged Clampstick, 1 1/4 in.       | 8 ft. 6 in.      |
| C403-0298   | 88056747    | Hinged Clampstick, 1 1/4 in.       | 10 ft. 6 in.     |
| C403-0299   | 88056748    | Hinged Clampstick, 1 1/4 in.       | 12 ft. 6 in.     |
| C403-0342   | 88056750    | Hinged Clampstick, 1 1/4 in.       | 14 ft. 6 in.     |
| C403-1035   | 88056776    | Telescoping Clampstick *           | 8 ft.            |
| C403-1036   | 88056777    | Telescoping Clampstick †           | 14 ft.           |

\* Locking Lengths 5 ft. 6 3/4 in., 6 ft. 9 1/2 in., 8 ft.

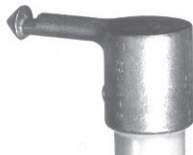
† Locking Lengths 8 ft. 6 3/4 in., 10 ft. 4 1/2 in., 12 ft. 2 1/4 in., 14 ft.

‡ Metal Universal Fitting on Handle End

### Disconnect Sticks

Chance®

Disconnect Sticks provide insulation for linemen in opening and closing disconnect switches and cutouts. They are also used for installing and removing open-link fuse links. Poles are made of Epoxiglas®. NEMA-standard heads of cast bronze are of three types—switch head, disconnect head or spliced disconnect head. The splice is strong and rigid, easy to put together and easy to take apart. The take-down feature of these sticks makes them especially handy to carry on line trucks or in tool trailers.



| Mfg. No.                 | Advanced ID     | Description               | Length       |
|--------------------------|-----------------|---------------------------|--------------|
| <b>Switch Stick Head</b> |                 |                           |              |
| H3046-11                 | <b>88057227</b> | Disconnect Stick - 1¼ in  | 4 ft.        |
| H3046-12                 | <b>88057228</b> | Disconnect Stick - 1¼ in  | 6 ft.        |
| H3046-13                 | <b>88057229</b> | Disconnect Stick - 1¼ in  | 8 ft.        |
| H3046-14                 | <b>88057230</b> | Disconnect Stick - 1¼ in  | 10 ft.       |
| H3046-17                 | <b>88057233</b> | Disconnect Stick - 1¼ in  | 12 ft.       |
| <b>Disconnect Head</b>   |                 |                           |              |
| H3046-23                 | <b>88057238</b> | Disconnect Stick - 1½ in. | 8 ft. 1 in.  |
| H3046-24                 | <b>88057239</b> | Disconnect Stick - 1½ in. | 10 ft. 1 in. |
| H3046-15                 | <b>88057231</b> | Disconnect Stick - 1½ in. | 12 ft. 1 in. |
| H3046-16                 | <b>88057232</b> | Disconnect Stick - 1½ in. | 16 ft. 1 in. |

### Universal Poles

Chance®

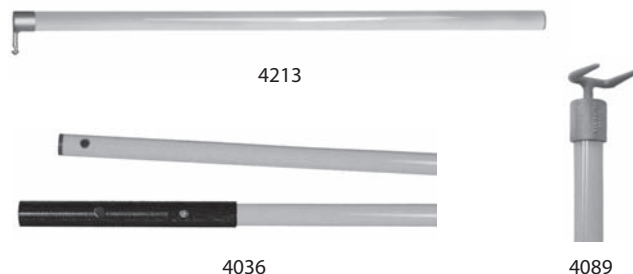


Designed for use as a hot stick handle for universal tools, Chance universal poles are made of Chance Epoxiglas® and lightweight Chance aluminum castings. A variety of splined universal tools fit under the thumbscrew of the spline on the universal pole for a rigid hot stick tool. For job versatility, the splines allow angling the tool up to 90° in relation to the pole depending upon the individual tool design.

| Mfg. No. | Advanced ID     | Overall Length | Pole Diameter | Type             |
|----------|-----------------|----------------|---------------|------------------|
| H1760-1  | <b>88057185</b> | 6 ft. 1 in.    | 1¼ in.        | Pole w/1 Spline  |
| H1760-3  | <b>88057189</b> | 6 ft. 3 in.    | 1¼ in.        | Pole w/2 Splines |
| H1760-4  | <b>88057190</b> | 8 ft. 3 in.    | 1¼ in.        | Pole w/2 Splines |
| H1760-12 | <b>88057187</b> | 12 ft. 3 in.   | 1¼ in.        | Pole w/2 Splines |

### Switch Sticks

Salisbury



Both the foam filled tubular and hollow tubular hot sticks meet ASTM F711 Standard Specifications for FRP and tube used in live line tools.

Foam filled hot sticks are manufactured using the pultrusion process. Hollow hot sticks are produced using a winding or wrapping process. Both methods incorporate fiberglass reinforcement in a resin matrix, which creates a moisture resistance laminate with excellent electrical and mechanical properties.

| Mfg. No. | Advanced ID     | Description                        | Length |
|----------|-----------------|------------------------------------|--------|
| 4213     | <b>99844638</b> | One Section Switch Stick           | 4 ft   |
| 4214     | <b>99844639</b> | One Section Switch Stick           | 6 ft.  |
| 4215     | <b>99844640</b> | One Section Switch Stick           | 8 ft.  |
| 4216     | <b>99844641</b> | One Section Switch Stick           | 10 ft. |
| 4036     | <b>99542012</b> | Two Section Universal Switch Stick | 8 ft.  |

#### Universal Switch Stick Double Prong

|      |                 |                                       |       |
|------|-----------------|---------------------------------------|-------|
| 4089 | <b>99844600</b> | Universal Switch Stick w/Double Prong | 8 ft. |
|------|-----------------|---------------------------------------|-------|

### Universal Tool Accessories

Chance®

These splined universal tools fit under the thumbscrew of the spline on the Universal Pole for a rigid hot stick tool. Universal adapter no. M4455-84 may be added between the pole and tool to gain any angle desired.

| Mfg. No.  | Advanced ID     | Type  |
|-----------|-----------------|---|
| M4455-6   | <b>88057402</b> | Ratchet Wrench, ½ in. Square Drive                      |
| M4455-9   | <b>88057420</b> | Disconnect, Aluminum                                    |
| M4455-79  | <b>88057412</b> | Disconnect, Spiral/Pigtail                              |
| C403-2213 | <b>90093716</b> | Pruning Saw, Black Teflon® Coating - Fine-Toothed Blade |
| M4455-29B | <b>88057394</b> | Clamp Stick Head  |
| M4455-38  | <b>88057397</b> | Clear Vision Mirror                                     |
| M4455-39  | <b>88057398</b> | Shepherd Hook   |
| M4455-50  | <b>88057401</b> | Skinning Knife  |
| M4455-69  | <b>88057406</b> | Rotary Prong Tie Stick Head                             |
| M4455-70  | <b>88057407</b> | Rotary Blade Tie Stick Head                             |
| M4455-72  | <b>88057409</b> | Conductor Gauge   |
| M4455-78  | <b>88057411</b> | Fuse Puller, Same as No. M4455-77, 1½ to 2 ½ in. Fuse   |
| M4455-63  | <b>88057403</b> | Conductor Cleaning Brush, V-Position                    |
| M4455-92  | <b>88057422</b> | Conductor Cleaning Brush, Semi-Tubular Shape            |
| M4455-93  | <b>88057423</b> | Conductor Cleaning Brush, 1¼ in. Diameter Tube Only     |
| M1899     | <b>88305588</b> | Replacement Brushes for No. M4455-63, Box of 10         |

## Voltage Detectors, Audio/Visual

Salisbury

May be used with rubber insulating gloves or hot sticks using the splined universal end fitting. Testers indicate voltage with an extra bright LED light and a distinctive audible signal. It is recommended that the tester be moved closer to conductor until warning is indicated, or it touches conductor, apparatus or test point. Test the unit on a nearby energized conductor. Each tester includes three "C" batteries.



Self-testing voltage detectors allow testing to be continuous and automatic. An intermittent flash and beep confirms the detector is functioning properly.

The 4445 Voltage Detector Tester provides the most convenient and reliable means of verifying operation of Salisbury Voltage Detectors. The tester features instant push-button operation and requires a standard 9-volt battery (included). It's portable and lightweight. To operate, push the button and move the tester toward the voltage detector being verified. The tester generates an electric field that activates the detector verifying the audible and visual signals are operational.

| Mfg. No.                | Advanced ID     | Settings Phase to Phase   |
|-------------------------|-----------------|---|
| <b>Voltage Detector</b> |                 |   |
| 4244                    | <b>88314436</b> | Off/240V/4.2kV/15kV/25kV/35kV/69kV/115kV/230kV                                    |
| 4344                    | <b>99844394</b> | Off/240V/4.2kV/35kV/69kV/115kV/230kV/345kV/500kV                                  |
| 4444                    | <b>99844395</b> | Off/ Test-240V/Battery/URD:15kV/25kV/35kV/Overhead:4.2kV/15kV/25kV/35kV/46kV/69kV |

### Self Testing Voltage Detector

|      |                 |  |
|------|-----------------|--|
| 4544 | <b>99844397</b> | 240V/4.2kV/15kV/25kV/35kV/69kV/115kV/230kV                                       |
| 4744 | <b>99844399</b> | Off/Test-240V/Battery/URD:15kV/25kV/35kV/Overhead:4.2kV/15kV/25kV/35kV/46kV/69kV |

### Complete Kits

|      |                 |                                     |
|------|-----------------|-------------------------------------|
| 4356 | <b>99844393</b> | Kit: (1) 4244 Tester 240V to 230kV* |
| 4367 | <b>96062264</b> | Kit: (1) 4344 Tester 240V to 500kV* |
| 4469 | <b>94048773</b> | Kit: (1) 4444 Tester 240V to 69kV*  |
| 4556 | <b>99844400</b> | Kit: (1) 4544 Tester 240V to 230kV* |
| 4769 | <b>99844402</b> | Kit: (1) 4744 Tester 240V to 69kV*  |

\*Contains 4315 Case and 2500 Shotgun Adapter

### Accessories

|      |                 |                         |
|------|-----------------|-------------------------|
| 2500 | <b>90000069</b> | Shotgun Adapter         |
| 4315 | <b>88314437</b> | Storage Case            |
| 4445 | <b>99844396</b> | Voltage Detector Tester |

## Elbow-Puller Tools and Accessories

Chance®



These tools facilitate removing elbow connectors from bushings of transformers and other apparatus. Grippers are not included with tools.

The lightweight IMPACT Elbow Puller employs a simple, slide-hammer mechanism to easily disengage and assist in replacing elbows. The tool and grippers help the operator control the elbow and stiff underground cable lead. The lightweight Elbow Puller employs a simple pushrod and lever mechanism to provide an approximate 3-to-1 mechanical advantage.

### Benefits

- Integral Hook on Tool Head Adds Extra Control and Pulling Power
- Lightweight Design

| Mfg. No.                               | Advanced ID     | Description                                 |
|--|-----------------|---|
| <b>Impact Elbow Puller, Epoxiglas®</b> |                 |   |
| C403-1822                              | <b>88056788</b> | Length 6 ft., Pole Diameter 1 1/4 in. *     |
| C403-1850                              | <b>88056789</b> | Length 8 ft., Pole Diameter 1 1/4 in. *     |
| <b>Accessories</b>                     |                 |   |
| P643-6                                 | <b>88057485</b> | Storage Bag for No. C403-1822 or C403 -1851 |
| P643-8                                 | <b>88057486</b> | Storage Bag for No. C403-1850               |
| <b>Replacement Grippers</b>            |                 |   |
| C403-0613                              | <b>88056757</b> | 25 kV Plastic-Coated Grippers               |
| C403-0704                              | <b>88056758</b> | 15 kV Plastic-Coated Grippers               |

\* Meets OSHA Requirements

Need help finding the right product for your application? Just call your Advanced sales representative!



### 200 A Loadbreak and Deadbreak Underground Line Connectors

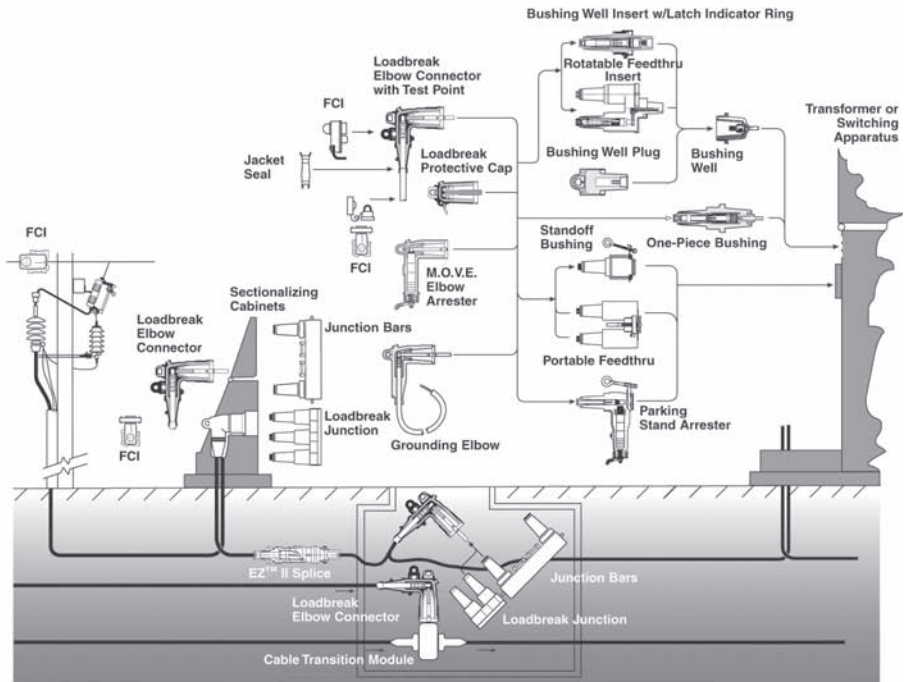
Cooper Power Systems

Cooper Power System's 200 A 15, 25, and 35 kV Loadbreak Elbow Connectors and Accessories are submersible, fully-shielded and insulated lug-in terminations, ideal for connecting underground cable to transformers, switching cabinets and junctions. These connectors are molded using high-quality, peroxide-cured EPDM insulation for reliable field performance.

All 200 A loadbreak connectors meet the electrical, mechanical, and dimensional requirements of IEEE Standards 386™ and are designed to be fully interchangeable with other major manufacturers currently complying with IEEE Standard 386™.

The Cooper POSI-BREAK Elbow and Cap is an engineered solution that increases strike distance and improves reliability.

The Cooper 35 kV 200 A Large Interface Elbow Bushing System is a reliable, field proven design. This system has over 25 years of field experience while being used on large 35 kV distribution systems.



200 A Loadbreak Connector Ratings in Accordance with IEEE Std. 386™

| Voltage Ratings             | 15 kV | 25 kV | 35 kV |
|-----------------------------|-------|-------|-------|
| Standard Voltage Class      | 15    | 25    | 35    |
| Max. Rating Phase-to-Phase  | 14.4  | 26.3  | 36.6  |
| Max. Rating Phase-to-Ground | 8.3   | 15.2  | 21.1  |
| AC 60 Hz 1 Minute Withstand | 34    | 40    | 50    |
| DC 15 Minute Withstand      | 53    | 78    | 103   |
| BIL and Full Wave Crest     | 95    | 125   | 150   |
| Min. Corona Voltage Level   | 11    | 19    | 26    |

| Current Ratings | 15 kV  | 25 kV  | 35 kV  |
|-----------------|--|--|--|
| Continuous      | 200 A rms  | 200 A rms  | 200 A rms  |
| Switching       | 10 operations at 200 A rms at 14.4 kV                                | 10 operations at 200 A rms at 26.3 kV                                | 10 operations at 200 A rms at 36.6 kV                                |
| Fault Closure   | 10,000 A rms sym. at 14.4 kV for 0.17s after 10 switching operations | 10,000 A rms sym. at 26.3 kV for 0.17s after 10 switching operations | 10,000 A rms sym. at 36.6 kV for 0.17s after 10 switching operations |
| Short Time      | 10,000 A rms sym. for 0.17s<br>3,500 A rms sym. for 3.0s             | 10,000 A rms sym. for 0.17s<br>3,500 A rms sym. for 3.0s             | 10,000 A rms sym. for 0.17s<br>3,500 A rms sym. for 3.0s             |



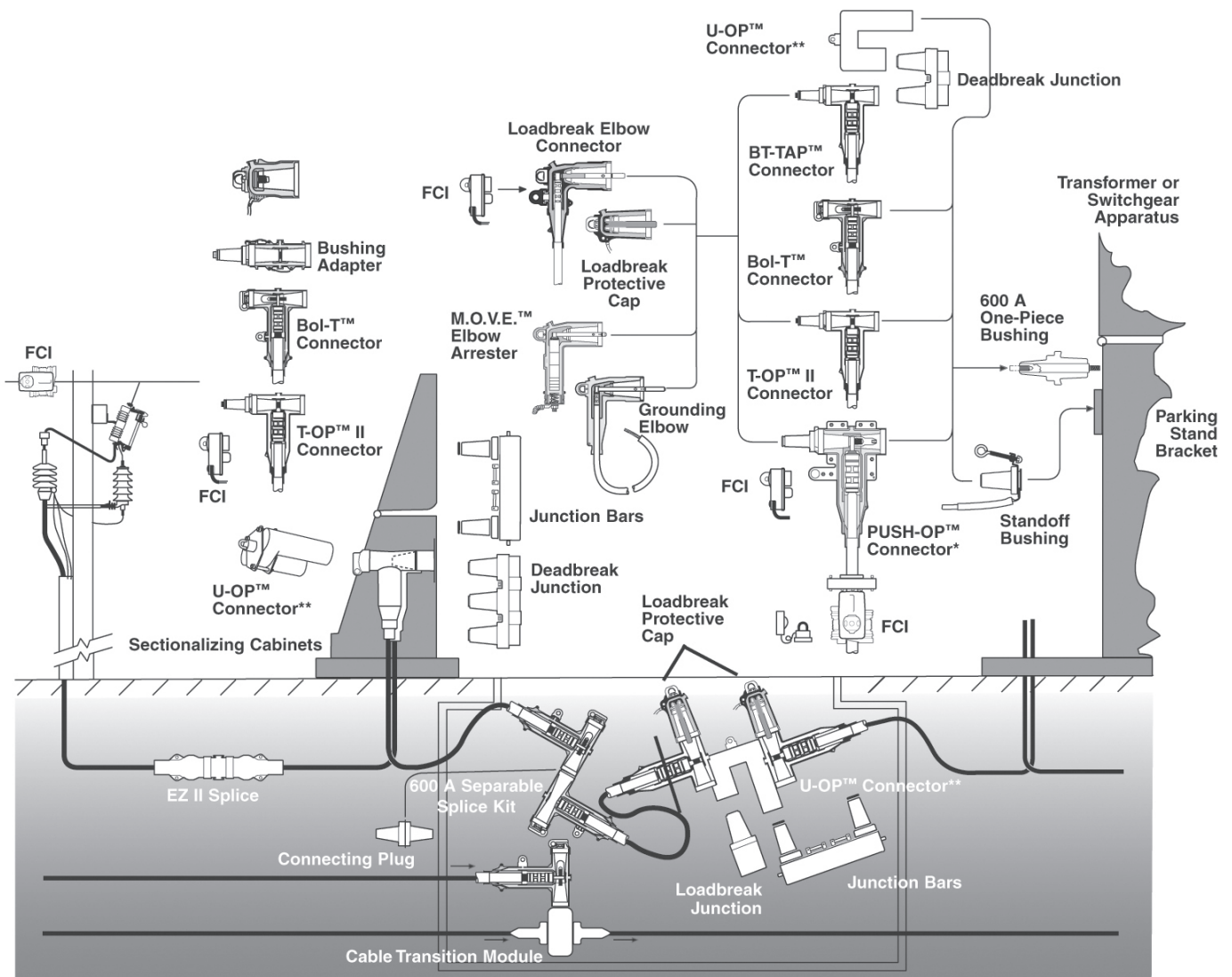
## 600A Deadbreak Underground Line Connectors

Cooper Power Systems

Cooper Power System's 600A Deadbreak Connector Systems are designed to fill the demand for a deadfront underground installation in 600A main and lateral feeders. They provide a completely shielded, deadfront, and fully submersible cable connection for high-voltage apparatus—such as transformers, switchgear, large motors, etc. They can also be used to make splices, junctions, taps and deadends for main underground distribution feeders. They offer the same high degree of operating flexibility and reliability as our 200A products. All components fit together easily and assembly variations are available.

These connector systems are designed for installation on various types of cables. The entire systems can be applied to concentric neutral cable, and with Cooper's SA Series Shield Adapter Kit to almost any other type of cable.

All Cooper 600A Deadbreak Connectors meet the electrical, mechanical and dimensional requirements of IEEE Standard 386™ and are designed to be fully interchangeable with those currently available from other major manufacturers.



### PDE® Distribution Class Elbow Arresters

#### Rated 3 - 30 kV

Ohio Brass®

Hubbell PDE elbow arresters are gapless metal oxide varistor (MOV) type surge arresters. PDE arresters are designed to provide shielded deadfront arrester protection for underground systems (15 kV - 35 kV class).

PDE arresters are designed for use with 200 Amp loadbreak bushings and interfaces with other 200 Amp loadbreak accessories that conform with IEEE Standard 386. A PDE arrester installed at the end of a radial system or at both ends of an open point on a loop system will provide excellent protection against high voltage surges resulting from lightning or switching. When combined with an Ohio Brass PVR (Riser Pole) arrester installed at the end of a radial system or at the next piece of apparatus downstream, optimum protection can be achieved.



### Cold Shrink QT-III Silicone Rubber Termination Kits, Indoor

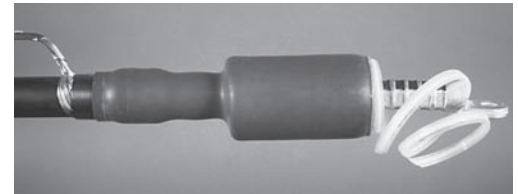
3M

3M™ Cold Shrink QT-III 7620-T Series kits contain one piece, non-skirted, silicone rubber terminations qualified as IEEE Standard 48-1990 Class 1 for indoor and weather-protected applications. The termination assemblies consist of a tubular insulator, high dielectric constant (Hi-K) stress control tube\*, conformable Hi-K stress controlling compound and built-in silicone top seal. The insulator is made of a dark gray silicone rubber with improved tracking resistant and hydrophobic characteristics.

The complete assembly is prestretched and loaded onto a removable core. The disposable core can be recycled. The kits are designed for terminating solid dielectric shielded power cable rated 5 through 15 kV, with tape shield, wire shield and UniShield® constructions.

Each kit contains sufficient quantities of the following materials to make three single-phase terminations (compression lugs are not included in the kit): (3) Hi-K, Tracking Resistant, Silicone Rubber Terminations; (3) Pre-formed Ground Braids; (3) Constant Force Springs; (6) Strips Sealing Mastic; (1) Cable Preparation Kit; (1) Instruction Sheet.

\* 7621-T designed and assembled with stress controlling compound only.



| Mfg. No.   | b ID                     | Cable Diameter | Cable Size   | Rating   |
|------------|--------------------------|----------------|--|----------|
| 7621-T-95  | <a href="#">96091153</a> | 0.44-0.89 in.  | 2-3/0 AWG (5kV), 4-2/0 AWG (8.7kV)                                   | 5-8.7 kV |
| 7622-T-110 | <a href="#">96091154</a> | 0.64-1.08 in.  | 4/0 AWG-400 kcmil (5kV), 3/0 AWG-300 kcmil (8.7kV), 2-4/0 AWG (15kV) | 5-15 kV  |
| 7624-T-110 | <a href="#">96086350</a> | 0.83-1.53 in.  | 500-750 kcmil (5kV), 350-700 kcmil (8.7kV), 4/0 AWG-500 kcmil (15kV) | 5-15 kV  |

## Cold Shrink QT-III Silicone Rubber Termination Kits, Outdoor

3M

3M Cold Shrink QT-III Silicone Rubber Termination Kits for weather-exposed applications contain one piece, skirted, silicone rubber terminations qualified as IEEE Standard 48-1996 Class 1. The termination assemblies consist of a skirted insulator, high dielectric constant Hi-K stress control tube, conformable Hi-K stress controlling compound and built-in silicone top seal. The insulator is made of a dark gray silicone rubber with improved tracking resistant and hydrophobic characteristics.

### Applications:

- 7690-S Series: Terminating Solid Dielectric Shielded Power Cables Rated 5 through 25/28 kV, with Tape Shield, Wire Shield and UniShield® Constructions
  - 7640-S, 7650-S Series: Terminating Jacketed Concentric Neutral (JCN) and Concentric Neutral (CN) Power Cables Rated 5 through 34.5 kV
- Kit Contents:
- 7690-S Series: (3) Hi-K, Tracking Resistant, Silicone Rubber Terminations; (3) Pre-Formed Ground Braids; (3) Constant Force Springs; (6) Strips Sealing Mastic; (1) Cable Preparation Kit; (1) Instruction Sheet
  - 7640-S and 7650-S Series: (1) Hi-K, Tracking Resistant, Silicone Rubber Termination; (2) Strips Sealing Mastic; (1) Instruction Sheet

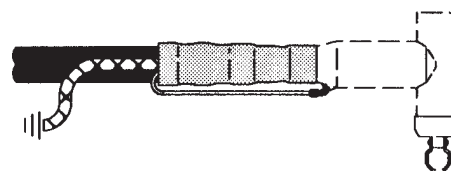


| Mfg. No.  | Advanced ID              | Cable Diameter | Cable Size  | Rating     |
|---|--------------------------|----------------|---|------------|
| <b>Shielded Cable Kits (Each Kit Makes 3 Terminations)</b>                      |                          |                |   |            |
| 7622-S-2  | <a href="#">97105151</a> | 0.64-1.08 in.  | 4/0 AWG-400 kcmil (5kV), 3/0 AWG-300 kcmil (8.7kV), 2-4/0 AWG (15kV)                              | 5-15 kV    |
| 7692-S-4  | <a href="#">96096198</a> | 0.64-1.08 in.  | 4/0 AWG-400 kcmil (5kV), 3/0 AWG-300 kcmil (8.7kV), 2-4/0 AWG (15kV), 2-1/0 AWG (25/28kV)         | 5-25/28 kV |
| 7694-S-4  | <a href="#">96096205</a> | 0.83-1.53 in.  | 500-750 kcmil (5kV), 350-700 kcmil (8.7kV), 4/0 AWG-500 kcmil (15kV), 2/0 AWG-250 kcmil (25/28kV) | 5-25/28 kV |
| 7695-S-4  | <a href="#">96096211</a> | 1.05-1.80 in.  | 700-1500 kcmil (5kV), 600-1250 kcmil (8.7kV), 500-1000 kcmil (15kV), 250-800 kcmil (25/28kV)      | 5-25/28 kV |
| <b>Concentric/Jacketed Concentric Cable Kits (Each Kit Makes 1 Termination)</b> |                          |                |   |            |
| 7642-S-2  | <a href="#">96095009</a> | 0.64-1.08 in.  | 4/0 AWG-400 kcmil (5kV), 3/0 AWG-300 kcmil (8.7kV), 2-4/0 AWG (15kV)                              | 5-15 kV    |
| 7652-S-4  | <a href="#">97105896</a> | 0.64-1.08 in.  | 4/0 AWG-400 kcmil (5kV), 3/0 AWG-300 kcmil (8.7kV), 2-4/0 AWG (15kV), 2-1/0 AWG (25/28kV)         | 5-25/28 kV |
| 7654-S-4  | <a href="#">97105921</a> | 0.83-1.53 in.  | 500-750 kcmil (5kV), 350-700 kcmil (8.7kV), 4/0 AWG-500 kcmil (15kV), 2/0 AWG-250 kcmil (25/28kV) | 5-25/28 kV |
| 7655-S-4  | <a href="#">97105926</a> | 1.05-1.80 in.  | 700-1500 kcmil (5kV), 600-1250 kcmil (8.7kV), 500-1000 kcmil (15kV), 250-800 kcmil (25/28kV)      | 5-25/28 kV |

## Cold Shrink 8450 Series Cable Accessory Sealing Kits

3M

Cold Shrink Cable Accessory Sealing Kits are designed to seal the end of Jacketed Concentric Neutral (JCN) Cable. The 8450 series kits are designed to seal the jacket end of power cables where elbows or other cable accessories are installed. Both the sealing tube and mastic are compatible with commonly used power cable jacketing and semiconductive materials.



| Mfg. No. | Advanced ID              | Cable Size   | Kit Contents   | Maximum Installed Diameter | Minimum Seal Diameter |
|----------|--------------------------|--|--|----------------------------|-----------------------|
| 8452     | <a href="#">88176214</a> | 2-4/0 AWG (15 kV), 2-2/0 AWG (25 kV), 1/0 AWG (35 kV)                            | (1) Cold Shrink Sealing Tube, (3) 6 in. Mastic Sealing Strips and Instructions | 1.94 in.                   | 0.95 in.              |
| 8453     | <a href="#">88320563</a> | 2/0 AWG-1000 kcmil (15 kV), 1/0 AWG-750 kcmil (25 kV), 1/0 AWG-500 kcmil (35 kV) | (1) Cold Shrink Sealing Tube, (4) 6 in. Mastic Sealing Strips and Instructions | 2.67 in.                   | 1.28 in.              |

### Cable End Caps

Salisbury

Cable End Caps can be applied with rubber gloves. They are used on high voltage distribution cable ends found in vaults, cubicles and substations when cable remains energized during work. Cable End Caps are made from Type II orange SALCOR® and have a minimum wall thickness of 1/4 in. Self-securing Cable End Caps for Underground Distribution are made from Type II Class 2 orange SALCOR® and are rated at 20kV. They keep moisture and contamination off trimmed cable ends. The self-securing slot keeps the cable locked safely inside the end cap. All covers comply with current ASTM D1049 specifications.



| Mfg. No. | Advanced ID     | Cable Size      | Length | Inside Diameter |
|----------|-----------------|-----------------|--------|-----------------|
| 173      | <b>88231814</b> | #4 to 4/0 AWG   | 6 in.  | 0.81 in.        |
| 117      | <b>88231750</b> | 4/0 to 500 MCM  | 10 in. | 1.38 in.        |
| 177      | <b>88231816</b> | 350 to 750 MCM  | 12 in. | 2.25 in.        |
| 178      | <b>88231817</b> | 800 to 1000 MCM | 16 in. | 3.19 in.        |

### Dead End Protectors

Salisbury



OR134



U110

Dead End Protectors quickly cover dead end bells providing complete electrical protection for Class 3 and 4 applications.

Easily installed and removed from an insulated platform or aerial device with rubber gloves or SU System Applicators.

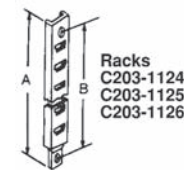
All styles have RIB-GRIP construction to interlock with 1.5 in. I.D. line hose. The Class 3 U106 and U110 must be used with Connector End style line hose or separate Line Hose Connectors. The Class 4 OR134 accepts Straight Line Hose. The outer ribs interlock with 2 and 2.5 in. I.D. line hose when the UC2 SU System Connector is used.

| Mfg. No. | Advanced ID     | Class | For Use With                  | Dimensions |
|----------|-----------------|-------|-------------------------------|------------|
| OR134    | <b>89061277</b> | 4     | Straight Line Hose            | 37 in. L   |
| U106     | <b>88232325</b> | 3     | Connector End Style Line Hose | 28.5 in. L |
| U110     | <b>88232326</b> | 3     | Connector End Style Line Hose | 28.5 in. L |

### Underground Cable Racks

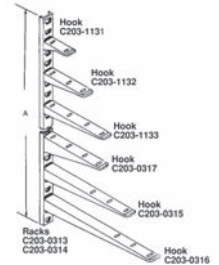
Chance®

Channel-Type Underground Cable Racks with hook holes 1 1/2 in. apart. Fasten to manhole or interior walls with 1/2 x 4 in. expansion bolts (not included). Mounting slots 5/8 x 3/4 in. at top and bottom of 15, 24 and 30 in. lengths overlap for assembly in combinations for overall length desired. Hot dip galvanized. Channel-Type Cable Rack Hooks with rounded surfaces have 3/16 x 13/16 in. slots for lock clips. Hot dip galvanized steel.



Racks  
C203-1124  
C203-1125  
C203-1126

Cable Racks



Cable Hooks

| Mfg. No.           | Advanced ID     | End Mounting Hole Spacing | Length     | Mounting Hole Size    | Number of Hook Holes | Steel Size                 |
|--------------------|-----------------|---------------------------|------------|-----------------------|----------------------|----------------------------|
| <b>Cable Racks</b> |                 |                           |            |                       |                      |                            |
| C203-1124          | <b>88056577</b> | 13 1/2 in.                | 15 in.     | 5/8 x 3/4 in.         | 8                    | 1 1/2 x 9/16 x 3/16 in.    |
| C203-1125          | <b>88056578</b> | 22 1/2 in.                | 24 in.     | 5/8 x 3/4 in.         | 14                   | 1 1/2 x 9/16 x 3/16 in.    |
| C203-1126          | <b>88056579</b> | 28 1/2 in.                | 30 in.     | 5/8 x 3/4 in.         | 18                   | 1 1/2 x 9/16 x 3/16 in.    |
| C203-0313          | <b>88056566</b> | -                         | 55 1/4 in. | Mount thru Hook Holes | 37                   | 1 1/2 x 9/16 x 3/16 in.    |
| C203-0314          | <b>88056567</b> | -                         | 70 1/2 in. | Mount thru Hook Holes | 47                   | 1 1/2 x 9/16 x 3/16 in.    |
| <b>Cable Hooks</b> |                 |                           |            |                       |                      |                            |
| C203-1131          | <b>88056580</b> | -                         | 4 in.      | -                     | -                    | 1 1/2 x 1 1/8 x 3/16 in.   |
| C203-1132          | <b>88056581</b> | -                         | 7 1/2 in.  | -                     | -                    | 1 1/2 x 1 1/8 x 3/16 in.   |
| C203-1133          | <b>88056582</b> | -                         | 10 in.     | -                     | -                    | 1 1/2 x 1 1/8 x 3/16 in.   |
| C203-1127 *        | <b>89053264</b> | -                         | 10 in.     | -                     | -                    | 1 1/2 x 1 1/8 x 3/16 in.   |
| C203-0315          | <b>88056568</b> | -                         | 14 in.     | -                     | -                    | 1 1/2 x 1 35/64 x 3/16 in. |
| C203-0316          | <b>88056569</b> | -                         | 18 in.     | -                     | -                    | 1 1/2 x 1 35/64 x 3/16 in. |
| C203-0317          | <b>88056570</b> | -                         | 10 in.     | -                     | -                    | 1 1/2 x 2 1/16 x 13/64 in. |

\*Plastic-Coated Galvanized

**DynaVar®****Distribution Class (PDV) and Riser Pole (PVR) Surge Arresters**

Ohio Brass®

Ohio Brass offers a full line of polymer arresters for distribution voltages. The newest in the line, the PDV-100 Optima, adds all the benefits of a heavy duty distribution arrester, combined with a new disconnect which improves system reliability and increases TOV capability. The PVR targets cable applications where low discharge voltages promote longer cable life. The PDV-65 is our normal duty arrester offering cost effective protection.

**Distribution Class Surge Arresters**

Cooper Power Systems

Cooper Power Systems is the leading designer and manufacturer of polymeric surge arresters. Cooper's UltraSIL housed surge arresters utilize silicon rubber, the industry's recognized superior polymer housing material. The patented construction of UltraSIL arresters incorporates high-quality Metal Oxide Varistors (MOVs) manufactured in Cooper's Olean, NY facility. Each arrester is subjected to a battery of electrical tests prior to shipment to ensure field performance. UltraSIL housed VariSTAR distribution class surge arresters provide superior overvoltage protection for any electrical distribution system. They are available in Normal Duty, Heavy Duty and Heavy Duty Riser Pole classifications.

**VariGAP Design Technology**

Cooper Power Systems

VariGAP arresters offer unbeatable equipment protection and arrester reliability. With up to 30% lower discharge voltages compared to equally rated gapless MOV arresters, equipment life can be extended due to the reduced stresses placed upon them. VariGAP arresters can survive much higher magnitude and longer temporary overvoltages (TOV's) than equally rated gap-less MOV arresters. With its supreme TOV withstand ability, VariGAP arresters are the most reliable arrester on the market today.

**Line Tension Disconnect Switch****Type ALTD****200 kV BIL 600A**

Chance®



The Chance Line Tension Disconnect switches are single phase hookstick operated for manual switching of de-energized or parallel circuits of overhead lines on an electrical distribution system of 15 through 38kV, 200kV BIL. They are installed directly into the line. Rated for 600 amperes continuous current, the ALTD may be applied wherever a disconnect switch is desirable for line sectionalizing. A properly rated Type ALTD switch should be selected for each installation with consideration to continuous current, BIL and rated voltage.

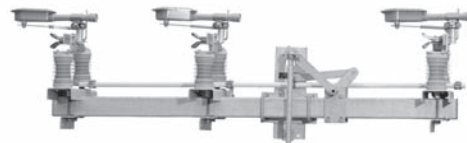
The ALTD also can be equipped with a load-breaking interrupter or used with a portable loadbreak tool for load breaking.

**Sidebuster® Type M-Force™ Switch**

Kearney / Cooper Power Systems

Distribution class, gang operated, factory unitized three-phase overhead loadbreak switch, in 15 kV, 25 kV, and 35 kV sizes. The Type M-Force Switch may be used for line sectionalizing, paralleling, by-passing, isolating or as a remote system when used in conjunction with a motor operator.

M-Force stands for "Magnetic Force". Cooper Power Systems has the only reverse loop contacts found on distribution class side-break switches; a contact usually reserved for higher priced transmission switches. The reverse loop contacts utilize high current magnetic forces for added reliability. The reverse loop design allows for high contact pressure to be maintained during fault conditions. This feature prevents pitting and distorting of the switch blade and contacts even under severe momentary overload.





### Type AR (Automation-Ready Switch)

Hubbell Power Systems



The Hubbell unitized Type AR switch is a distribution-level, loadbreak, gang-operated side-break switch designed to meet not only today's needs but well into utilities' future of distribution automation. Designed for nominal system voltages of 14.4kV and 25kV three- and four-wire systems and 34.5kV grounded-wye systems. The Type AR switch is available with a variety of options, and in ratings for present and planned requirements.

To minimize field installation time, the Type AR switch is pre-assembled, adjusted and mounted on a crossarm. Installation time is even faster for a Type AR switch with the hook stick-operation option.

The Type AR switch is available in five basic configurations:

•Horizontal •Vertical •Phase-over-Phase •Delta •Inverted

All feature clockwise opening and are operable by torsional or reciprocating controls as well as a hookstick operation option full-length down-the-pole control or crossarm-mounted hook stick-operation control.

### Type M3 Hookstick Disconnect Switches

Chance®

Up to 38kV in 600 or 900 Amp, 40kA momentary components of the M3 Switch.

#### Application

The Chance Type M3 Disconnect Switch is a single-phase hookstick operated switch. It is for manual switching of overhead lines on electrical distribution systems up to 38kV. Design variations allow for applications as a distribution switch or a substation switch.



#### Operation

All Chance M3 disconnect switches include loadbreak hooks which serve both as a blade closing guide and for use with a portable loadbreak tool. To open the switch under load, use only an approved loadbreak tool and refer to the tool manufacturer for instructions.

Positive latching is provided. Silver-plating on the contact areas enhances efficient current transfer. For easy opening and ice-breaking action, the pull ring activates the latch as a pry-out lever.

### Disconnect and Bypass Switches

Cooper Power Systems



Bypass Switch



Disconnect Switch

Cooper Power Systems offers a complete selection of Kearney Disconnect and Bypass Switches. They are available in 7.2 through 34.5 kV in 400, 600 and 1200A.

Disconnect and Bypass Switches:

- All copper bar current-carrying parts, providing uniform strength and conductivity with no hidden defects.
- Silver washers between the blade assembly and hinge.

Regulator and Current Transformer Bypass Assembly and Hinge:

- Sequenced, make before break operation in both 600A and 1200A Ratings.
- Single-Pull operation of the 600A ratings, which bypasses and disconnects the regular or current transformer, or reconnects them to the line.

Two-pull operation of 1200 A ratings, which minimizes the operating effort of these heavy-duty switches.

### Type C-Polymer Cutouts

Hubbell Power Systems

Hubbell Type C-Polymer cutouts provide reliable protection from low-level overloads that just melt the fuse link, intermediate faults, and very high faults, through maximum interrupt rating.

In addition, Type C-Polymer cutouts can also be used as a sectionalizing device, with the use of a portable loadbreak tool. Type C-Polymer cutouts can function much like an overhead disconnect switch. A 300 amp disconnect blade is also available for this purpose.



### Distribution Fuse Cutouts

Cooper Power Systems

Loadbreak and non-loadbreak types are available in 2.4 through 34.5 kV for applications of 100, 200 and 300A. Pole, cross-arm and multiple mounting configuration are available.



#### Benefits

- Reverse Current Loop Contacts at Both Line and Hinge Ends Increase Contact Pressure During High Surges Preventing Pitting and Burning
- Positive Lever Operated Latch Prevents Accidental Opening
- High Quality Bronze Basic Construction
- Stainless Steel Utilized in Selected Pins and Springs
- Animal Proof
- Completely Independent of Any Organic Substances
- Silver Plated Contact Surfaces



## Type C Porcelain Cutouts

Chance®

The primary purpose of any cutout is to provide protection to the lines of your system and the various apparatus on those lines, such as transformers and capacitor banks. Chance Type C Cutouts provide reliable protection from low-level overloads that just melt the fuse link, intermediate faults and very high faults, through maximum interrupt capacity. In addition, Type C Cutouts can be used as sectionalizing devices. With the use of a portable loadbreak tool, Type C Cutouts can function much like an overhead disconnect switch.

### Features

- 2-Place Locking Prevents Side Movement of Hood, Contacts or Hooks
- Bird-Proof 1-Piece Solid Porcelain Insulator
- Cast Bronze Hinge for Corrosion Resistance
- Fuseholder Toggle Latch Limits Tension of Fuse Link
- Stainless Steel Spring Ensures Proper Toggle Action of Fuse Link Ejector
- Hot Stick Hole in Trunnion Casting
- High-Strength Fiberglass Fusetube Coated With Ultra-Violet Inhibitor
- Galvanized Steel Hooks for Loadbreak Tool
- Stainless Steel Backup Spring to Maintain Contact Pressure



| Mfg. No.   | Advanced ID     | Continuous Current | Fuse Link Range | Interrupting /Momentary Current | Leakage Distance | Nominal System Voltage           | Terminal Connector    |
|--|-----------------|--------------------|-----------------|---------------------------------|------------------|----------------------------------|-----------------------|
| <b>Type C STANDARD Cutout</b>                              |                 |                    |                 |                                 |                  |                                  |                       |
| <b>15 kV (110 kV BIL)</b>                                  |                 |                    |                 |                                 |                  |                                  |                       |
| C710-112P  | <b>88056864</b> | 100A               | 1A to 100A      | 10000 Amps Asym.                | 8.7 in.          | Thru 14.4 kV                     | Parallel-Groove Clamp |
| C710-112PB †   | <b>88056865</b> | 100A               | 1A to 100A      | 10000 Amps Asym.                | 8.7 in.          | Thru 14.4 kV                     | Parallel-Groove Clamp |
| C710-112PX *   | <b>88056866</b> | 100A               | 1A to 100A      | 10000 Amps Asym.                | 8.7 in.          | Thru 14.4 kV                     | Parallel-Groove Clamp |
| C710-114PB †   | <b>88056868</b> | 100A               | 1A to 100A      | 16000 Amps Asym.                | 8.7 in.          | Thru 14.4 kV                     | Parallel-Groove Clamp |
| C710-133PB †   | <b>88056871</b> | 300A (Non-Fusible) |                 | 12000 Amps Asym.                | 8.7 in.          | Thru 14.4 kV                     | Parallel-Groove Clamp |
| C710-143PB †   | <b>88056870</b> | 200A               | 140A to 200A    | 12000 Amps Asym.                | 8.7 in.          | Thru 14.4 kV                     | Parallel-Groove Clamp |
| <b>27 kV (125 kV BIL)</b>                                  |                 |                    |                 |                                 |                  |                                  |                       |
| C710-211PB †   | <b>88056873</b> | 100A               | 1A to 100A      | 8000 Amps Asym.                 | 12.6 in.         | Thru 24.9 kV                     | Parallel-Groove Clamp |
| C710-213PB †   | <b>88056876</b> | 100A               | 1A to 100A      | 12000 Amps Asym.                | 12.6 in.         | Thru 24.9 kV                     | Parallel-Groove Clamp |
| C710-233PB †   | <b>88056878</b> | 300A (Non-Fusible) |                 | 12000 Amps Asym.                | 12.6 in.         | Thru 24.9 kV                     | Parallel-Groove Clamp |
| <b>27 kV (150 kV BIL)</b>                                  |                 |                    |                 |                                 |                  |                                  |                       |
| C710-313PB †   | <b>88056880</b> | 100A               | 1A to 100A      | 12000 Amps Asym.                | 17.3 in.         | Thru 24.9 kV, *26.4 Thru 34.5 kV | Parallel-Groove Clamp |
| C710-313PX *   | <b>88056881</b> | 100A               | 1A to 100A      | 12000 Amps Asym.                | 17.3 in.         | Thru 24.9 kV, *26.4 Thru 34.5 kV | Parallel-Groove Clamp |
| <b>36 kV (170 kV BIL)</b>                                  |                 |                    |                 |                                 |                  |                                  |                       |
| C710-613EB †   | <b>22075243</b> | 100A               | 1A to 100A      | 11200 Amps Asym.                | 26 in.           | Thru 34.5 kV                     | Small Eyebolts        |
| <b>Type C LOADBREAK Cutout With Arc Chute Interrupters</b> |                 |                    |                 |                                 |                  |                                  |                       |
| <b>15 kV (110 kV BIL)</b>                                  |                 |                    |                 |                                 |                  |                                  |                       |
| C730-112EB †   | <b>93198296</b> | 100A               | 1A to 100A      | 10000 Amps Asym.                | 8.7 in.          | Thru 14.4 kV                     | Small Eyebolts        |
| C730-112LB †   | <b>22123260</b> | 100A               | 1A to 100A      | 10000 Amps Asym.                | 8.7 in.          | Thru 14.4 kV                     | Large Eyebolts        |
| C730-112P  | <b>92052229</b> | 100A               | 1A to 100A      | 10000 Amps Asym.                | 8.7 in.          | Thru 14.4 kV                     | Parallel-Groove Clamp |
| C730-112PB †   | <b>92038056</b> | 100A               | 1A to 100A      | 10000 Amps Asym.                | 8.7 in.          | Thru 14.4 kV                     | Parallel-Groove Clamp |
| C730-114PB †   | <b>95028850</b> | 100A               | 1A to 100A      | 16000 Amps Asym.                | 8.7 in.          | Thru 14.4 kV                     | Parallel-Groove Clamp |
| C730-133PB †   | <b>93148698</b> | 300A (Non-Fusible) |                 | 12000 Amps Asym.                | 8.7 in.          | Thru 14.4 kV                     | Parallel-Groove Clamp |
| C730-143PB †   | <b>97209084</b> | 200A               | 140A to 200A    | 12000 Amps Asym.                | 8.7 in.          | Thru 14.4 kV                     | Parallel-Groove Clamp |
| <b>15/27 kV (125 kV BIL)</b>                               |                 |                    |                 |                                 |                  |                                  |                       |
| C730-211PB †   | <b>92044058</b> | 100A               | 1A to 100A      | 8000 Amps Asym.                 | 12.6 in.         | Thru 14.9 kV, *20.8 Thru 24.9 kV | Parallel-Groove Clamp |
| <b>20/33.5 kV (150 kV BIL)</b>                             |                 |                    |                 |                                 |                  |                                  |                       |

\*For application on single-phase to neutral or three-phase solidly-grounded wye-connected circuits where recovery voltage does not exceed the maximum design voltage of the device. Extended NEMA B for Crossarm

† NEMA B Heavy Duty for Crossarm

### Cutout Fuse Links

Chance®

Chance Type K and Type T fuse links are made in complete accordance with ANSI/NEMA standards. Other Chance links meet all the standards except those covering time-current characteristics. Time-current characteristics for links other than K and T links are not covered in the ANSI standards. Chance Type MS fuse links have very slow time-current characteristics. In applications where ANSI/NEMA Type T fuse link characteristics are too fast, the slower characteristics of Type MS can often be utilized. Chance fuse links come in protective plastic bags with perforations to facilitate quick, easy opening even when lineman's gloves are worn. Each bag remains completely sealed for all-weather protection and keeps the links protected in the line truck's bins. Type and amperage is printed on each bag for easy identification.



| Mfg. No.                    | Advanced ID | Amps | Fuse Element*                 | Pigtail Length |
|-----------------------------|-------------|------|-------------------------------|----------------|
| <b>Type K Fuse Links</b>    |             |      |                               |                |
| <b>Solid Buttonhead</b>     |             |      |                               |                |
| M10K26                      | 96001510    | 10   | Stainless Steel/Silver-Copper | 26 in.         |
| M15K26                      | 88056978    | 15   | Stainless Steel/Silver-Copper | 26 in.         |
| M20K26                      | 22078515    | 20   | Stainless Steel/Silver-Copper | 26 in.         |
| M25K26                      | 96001511    | 25   | Stainless Steel/Silver-Copper | 26 in.         |
| M40K26                      | 96001512    | 40   | Stainless Steel/Silver-Copper | 26 in.         |
| M50K26                      | 92141984    | 50   | Stainless Steel/Silver-Copper | 26 in.         |
| <b>Removable Buttonhead</b> |             |      |                               |                |
| M2KA23                      | 88057027    | 2    | Stainless Steel               | 23 in.         |
| M3KA23                      | 88057056    | 3    | Stainless Steel               | 23 in.         |
| M6KA23                      | 88057112    | 6    | Stainless Steel/Silver-Copper | 23 in.         |
| M8KA23                      | 88057130    | 8    | Stainless Steel/Silver-Copper | 23 in.         |
| M10KA23                     | 88056952    | 10   | Stainless Steel/Silver-Copper | 23 in.         |
| M12KA23                     | 88056961    | 12   | Stainless Steel/Silver-Copper | 23 in.         |
| M15KA23                     | 88056979    | 15   | Stainless Steel/Silver-Copper | 23 in.         |
| M20KA23                     | 88057003    | 20   | Stainless Steel/Silver-Copper | 23 in.         |
| M25KA23                     | 88057016    | 25   | Stainless Steel/Silver-Copper | 23 in.         |
| M30KA23                     | 88057043    | 30   | Stainless Steel/Silver-Copper | 23 in.         |
| M40KA23                     | 88057069    | 40   | Stainless Steel/Silver-Copper | 23 in.         |
| M50KA23                     | 88057088    | 50   | Stainless Steel/Silver-Copper | 23 in.         |
| M65KA23                     | 88057105    | 65   | Stainless Steel/Silver-Copper | 23 in.         |
| M80KA23                     | 88057125    | 80   | Stainless Steel/Silver-Copper | 23 in.         |
| M100KA23                    | 88056943    | 100  | Stainless Steel/Silver-Copper | 23 in.         |
| M140KA23                    | 88056969    | 140  | Silver-Copper                 | 23 in.         |
| M200KA23                    | 88056998    | 200  | Silver-Copper                 | 23 in.         |
| <b>Type T Fuse Links</b>    |             |      |                               |                |
| <b>Solid Buttonhead</b>     |             |      |                               |                |
| M1T23                       | 88056990    | 1    | Stainless Steel               | 23 in.         |
| M2T23                       | 88057029    | 2    | Stainless Steel               | 23 in.         |
| M3T23                       | 88057058    | 3    | Stainless Steel               | 23 in.         |
| M6T23                       | 96062393    | 6    | Stainless Steel/Pure Tin      | 23 in.         |
| M8T23                       | 94003117    | 8    | Stainless Steel/Pure Tin      | 23 in.         |
| M10T23                      | 94003112    | 10   | Stainless Steel/Pure Tin      | 23 in.         |
| M12T23                      | 94003113    | 12   | Stainless Steel/Pure Tin      | 23 in.         |
| M15T23                      | 94003114    | 15   | Stainless Steel/Pure Tin      | 23 in.         |
| M20T23                      | 94003115    | 20   | Stainless Steel/Pure Tin      | 23 in.         |
| M25T23                      | 94003116    | 25   | Stainless Steel/Pure Tin      | 23 in.         |
| M30T23                      | 94003108    | 30   | Stainless Steel/Pure Tin      | 23 in.         |
| M40T23                      | 94003109    | 40   | Stainless Steel/Pure Tin      | 23 in.         |
| M50T23                      | 94003110    | 50   | Stainless Steel/Pure Tin      | 23 in.         |
| M65T23                      | 91033468    | 65   | Stainless Steel/Pure Tin      | 23 in.         |

Continued ►

| Mfg. No.                 | Advanced ID | Amps | Fuse Element*            | Pigtail Length |
|--------------------------|-------------|------|--------------------------|----------------|
| <b>Type T Fuse Links</b> |             |      |                          |                |
| <b>Solid Buttonhead</b>  |             |      |                          |                |
| M80T23                   | 94003111    | 80   | Stainless Steel/Pure Tin | 23 in.         |
| M100T23                  | 91033469    | 100  | Stainless Steel/Pure Tin | 23 in.         |
| M140T23                  | 90013828    | 140  | Copper                   | 23 in.         |
| M200T23                  | 94003107    | 200  | Copper                   | 23 in.         |
| M25T26                   | 99546379    | 25   | Stainless Steel/Pure Tin | 26 in.         |

\*Strain Wire/Fuse Wire

### Fuse Links

Cooper Power Systems



A full range of EEI-NEMA standard and open fuse links are available in 1 to 200A for open fuse cutouts. Kearney™ fuse links are of the highest quality in the industry and are available in the following types: K, T, 200 (N), KS, QA, D and secondary indicating fuses. The links incorporate low melting temperature elements, captive washers, high-resistance strain wires, color-coded high strength tubes, and Hi-Cor® corrosion resistant cables. The low temperature melting tin elements enhance overload capability by guaranteeing no damage to the fuse tubes. These elements are capable of absorbing vibration as well as thermal shock due to current surges and heating and cooling throughout the daily load cycle. They can be further distinguished by their years of superb service proven by lab TCC verification of aged fuse links.

## Current-Limiting Fuses

### Cooper Power Systems

Cooper Power Systems is the industry leader in current-limiting fuse technology and variety. Extensive product offering includes back-up and full-range, current-limiting protection ranging from 20 kA to 50 kA. Fuses for overhead distribution include Companion® II, K-Limiter and ELF™. For enclosure mounted applications the ELSP, ELX, X-Limiter, NX, NXC, ELSG, El Bay-O-Net and ELG fuses are available.



## Under-Oil Expulsion Products

### Cooper Power Systems

Cooper's Bay-O-Net Fuse Assembly is the industry standard for pad-mounted transformer protection. Bay-O-Net assemblies combine the ease of hotstick operation with the safety of deadfront construction. It allows for convenient under-oil fuse element inspection and replacement in the field.



## MagneX™ Interrupter

### Cooper Power Systems

The MagneX is a resettable overcurrent protective device that protects distribution transformers from damaging overloads and secondary faults, and is also used for switching the transformer "on" or "off". As a transformer protective device, the MagneX Interrupter combines safety and efficiency with economic operation.



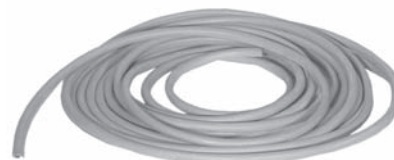
## Wildlife Protectors, Stinger Covers

### Salisbury

Stinger Covers protect against wildlife contacts between energized equipment and ground by insulating the lead wire.

The stinger cover can be installed without disconnecting the lead wire from the bushing. Available in three diameters, it is easily cut in the field to the needed length.

Stinger covers are track resistant and made from Type II Ozone and UV resistant SALCOR® elastomer in a gray color. The covers are proven to provide years of reliable service either independently or when used with bushing covers.



| Mfg. No.                      | Advanced ID              | Material         | Dimensions         | Inner Diameter |
|-------------------------------|--------------------------|------------------|--------------------|----------------|
| <b>3/8 in. Inner Diameter</b> |                          |                  |                    |                |
| 38-2SC                        | <a href="#">95012565</a> | SALCOR elastomer | 2 ft. 25 pcs.      | 3/8 in.        |
| 38-50SC                       | <a href="#">92043934</a> | SALCOR elastomer | 50 ft. 1 Coil      | 3/8 in.        |
| 38-18SC                       | <a href="#">22070286</a> | SALCOR elastomer | 18 ft. 50 pcs.     | 3/8 in.        |
| 38-100SC                      | <a href="#">95012566</a> | SALCOR elastomer | 100 ft. 1 Coil     | 3/8 in.        |
| <b>5/8 in. Inner Diameter</b> |                          |                  |                    |                |
| 58-12SC                       | <a href="#">95012567</a> | SALCOR elastomer | 12 ft. Coil 4 pcs. | 5/8 in.        |
| 58-50SC                       | <a href="#">99844073</a> | SALCOR elastomer | 50 ft. Coil 1 pc.  | 5/8 in.        |
| <b>3/4 in. Inner Diameter</b> |                          |                  |                    |                |
| 34-12SC                       | <a href="#">96001346</a> | SALCOR elastomer | 12 ft. Coil 4 pcs. | 3/4 in.        |
| 34-25SC                       | <a href="#">99844071</a> | SALCOR elastomer | 25 ft. Coil 2 pcs. | 3/4 in.        |

### Poles, Crossarms and Braces

Brooks Lumber Company / Pennington Crossarm / Hughes Brothers, Inc.

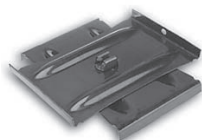
Advanced distributes a full range of wood products to fit any utility application. Through our supplier network we provide crossarms, poles and braces of any size to fit your unique needs or in accordance with utility specifications. We distribute products meeting ANSI, RUS (REA) and NRECA standards in a variety of structural materials including Douglas Fir, glue laminated wood and Southern Yellow Pine. Consult your local Advanced for information on these products.



### Cross-Plate Anchors

Chance®

The Cross-Plate Anchor is made for installation in holes drilled by power diggers. Because the size of the hole does not affect holding capacity, the hole can be dug by the same auger that is used to dig the pole holes on transmission projects. Cross-Plate anchors are installed in a diagonal bored hole which is undercut so the anchor is at right angles to the guy. A rod trench is either cut with a trenching tool or drilled with a small power auger. Both anchor and rod trench should be refilled and tamped. Order rods separately.



| Mfg. No. | Advanced ID     | Anchor Hole |             |              |                |
|----------|-----------------|-------------|-------------|--------------|----------------|
|          |                 | Size        | Area        | Coating      | Rod Diameter   |
| X16      | <b>88057717</b> | 16 in.      | 150 sq. in. | Clear Coated | 5/8 or 3/4 in. |
| X20-1    | <b>88057719</b> | 20 in.      | 250 sq. in. | Clear Coated | 1 in.          |
| X24      | <b>88057720</b> | 24 in.      | 400 sq. in. | Clear Coated | 1 in.          |

### BUST-CLEAN™ Expanding Anchors

Chance®

Four different sizes are available with holding capacity as high as 40,000 lbs. Chance 8-Way Expanding Anchors expand to take full advantage of the available area. All eight blades wedge into undisturbed earth, there is no wasted space between blades. This anchor should be installed in relatively dry and solid soils. The effectiveness of the anchor is dependent upon the thoroughness of backfill tamping. Order Rods separately.



| Mfg. No. | Advanced ID     | Anchor Hole |             |                |                | Rod Diameter |
|----------|-----------------|-------------|-------------|----------------|----------------|--------------|
|          |                 | Size        | Area        | Coating        | Size           |              |
| 6870     | <b>88057605</b> | 6 in.       | 70 sq. in.  | Asphalt Coated | 5/8 in.        |              |
| 88135    | <b>88057608</b> | 8 in.       | 135 sq. in. | Asphalt Coated | 5/8 or 3/4 in. |              |
| 1082     | <b>88057569</b> | 10 in.      | 200 sq. in. | Bagged         | 1 in.          |              |
| 1082-3/4 | <b>88057570</b> | 10 in.      | 200 sq. in. | Bagged         | 3/4 in.        |              |
| 1283     | <b>88057593</b> | 12 in.      | 300 sq. in. | Bagged         | 1 1/4 in.      |              |
| 1283-1   | <b>88057594</b> | 12 in.      | 300 sq. in. | Bagged         | 1 in.          |              |

### Expanding Rock Anchors

Chance®



The Chance Expanding Rock Anchor expands and wedges against solid walls of rock. Once it is expanded, the harder the pull on the rod, the tighter it wedges. Wedges are made of malleable or ductile iron with a rust-resistant coating. Rod should be in line with the guy. The large drop-forged Tripleye® rod of high-test steel holds up to three guy strands. The contour of the eye grooves keeps the guy strands from spreading, kinking or bending and allows slack to be pulled up without binding, damaging or weakening the guy. The Chance Expanding Anchor is a big time, labor and money saver because, in most cases, there is no need to mix concrete, melt lead or carry extra bulky equipment to the job. Generally, the cost of installing the Expanding Rock Anchor is about 35% less than the old-fashioned grouting method.

| Mfg. No. | Advanced ID     | Rod Diameter | Rod Length | Anchor Size | Anchor Size Expanded | Hole Size | Ultimate Strength |
|----------|-----------------|--------------|------------|-------------|----------------------|-----------|-------------------|
| R330     | <b>88057706</b> | 3/4 in.      | 30 in.     | 1 3/4 in.   | 2 3/8 in.            | 2 in.     | 23000 lb          |
| R353     | <b>88057707</b> | 3/4 in.      | 53 in.     | 1 3/4 in.   | 2 3/8 in.            | 2 in.     | 23000 lb          |
| R360     | <b>88057708</b> | 3/4 in.      | 60 in.     | 1 3/4 in.   | 2 3/8 in.            | 2 in.     | 23000 lb          |
| R372     | <b>88057709</b> | 3/4 in.      | 72 in.     | 1 3/4 in.   | 2 3/8 in.            | 2 in.     | 23000 lb          |
| R384     | <b>88057710</b> | 3/4 in.      | 84 in.     | 1 3/4 in.   | 2 3/8 in.            | 2 in.     | 23000 lb          |
| R396     | <b>88057711</b> | 3/4 in.      | 96 in.     | 1 3/4 in.   | 2 3/8 in.            | 2 in.     | 23000 lb          |
| R130L    | <b>88057701</b> | 1 in.        | 30 in.     | 2 1/4 in.   | 3 1/8 in.            | 2 1/2 in. | 36000 lb          |
| R153L    | <b>88057702</b> | 1 in.        | 53 in.     | 2 1/4 in.   | 3 1/8 in.            | 2 1/2 in. | 36000 lb          |
| R172L    | <b>88057703</b> | 1 in.        | 72 in.     | 2 1/4 in.   | 3 1/8 in.            | 2 1/2 in. | 36000 lb          |
| R196L    | <b>88057704</b> | 1 in.        | 96 in.     | 2 1/4 in.   | 3 1/8 in.            | 2 1/2 in. | 36000 lb          |

## Anchor Helix Assemblies

Chance®

TOUGH ONE® anchors give users high-strength anchor capability in all soils. With TOUGH ONE anchors, there's little concern about anchor breakage when encountering hard soils. TOUGH ONE anchors use standard PISA® rods.



### Benefits

- Chance Standard-Strength 4,000 ft.-lb. Anchors and Mid-Strength 6,000 ft.-lb. Anchors Have Curvi-Linear Leading Edges to Help Penetrate Rocky Soils and to Reduce Damage During Installation
- Chance PISA-6 6,000 ft.-lb. Anchors and PISA-7 7,000 ft.-lb. Anchors Also Have Curvi-Linear Leading Edges and Are Also Available in Single and Twin-Helix Designs
- PISA-6 and PISA-7 Anchors Have a 1½ in. Square Solid Core for Added Strength

| Mfg. No.   | Advanced ID | Torque Rating  | Rod Diameter | Number of Helices | Helix Diameter |
|--|-------------|----------------|--------------|-------------------|----------------|
| <b>8,000 ft.-lb. TOUGH ONE Anchor - 2½ in. Square Inside Hub</b>     |             |                |              |                   |                |
| C102-5008  | 90061852    | 8,000 ft.-lb.  | 5/8 in.      | 1                 | 8 in.          |
| C102-5004  | 90061848    | 8,000 ft.-lb.  | ¾ and 1 in.  | 1                 | 8 in.          |
| C102-5009  | 90061853    | 8,000 ft.-lb.  | 5/8 in.      | 1                 | 10 in.         |
| C102-5005  | 90061849    | 8,000 ft.-lb.  | ¾ and 1 in.  | 1                 | 10 in.         |
| C102-5010  | 90065904    | 8,000 ft.-lb.  | 5/8 in.      | 1                 | 12 in.         |
| C102-5006  | 90061850    | 8,000 ft.-lb.  | ¾ and 1 in.  | 1                 | 12 in.         |
| C102-5007  | 90061851    | 8,000 ft.-lb.  | ¾ and 1 in.  | 1                 | 14 in.         |
| <b>15,000 ft.-lb. TOUGH ONE Anchor - 2½ in. Square Inside Hub</b>    |             |                |              |                   |                |
| C102-5000  | 90075839    | 15,000 ft.-lb. | ¾ and 1 in.  | 1                 | 8 in.          |
| C102-5001  | 90075841    | 15,000 ft.-lb. | ¾ and 1 in.  | 1                 | 10 in.         |
| C102-5002  | 90075842    | 15,000 ft.-lb. | ¾ and 1 in.  | 1                 | 12 in.         |
| C102-5003  | 90075844    | 15,000 ft.-lb. | ¾ and 1 in.  | 1                 | 14 in.         |
| <b>8,000 ft.-lb. TOUGH ONE Anchor - 2¼ in. Square Inside Hub</b>     |             |                |              |                   |                |
| C102-5208  | 91024314    | 8,000 ft.-lb.  | 5/8 in.      | 1                 | 8 in.          |
| C102-5204  | 91027074    | 8,000 ft.-lb.  | ¾ and 1 in.  | 1                 | 8 in.          |
| C102-5209  | 91027076    | 8,000 ft.-lb.  | 5/8 in.      | 1                 | 10 in.         |
| C102-5205  | 91027075    | 8,000 ft.-lb.  | ¾ and 1 in.  | 1                 | 10 in.         |
| C102-5206  | 91018204    | 8,000 ft.-lb.  | ¾ and 1 in.  | 1                 | 12 in.         |
| C102-5207  | 91026000    | 8,000 ft.-lb.  | ¾ and 1 in.  | 1                 | 14 in.         |
| <b>10,000 ft.-lb. TOUGH ONE Anchor - 2¼ in. Square Inside Hub</b>    |             |                |              |                   |                |
| C102-5200  | 92138843    | 10,000 ft.-lb. | ¾ and 1 in.  | 1                 | 8 in.          |
| C102-5201  | 91016352    | 10,000 ft.-lb. | ¾ and 1 in.  | 1                 | 10 in.         |
| C102-5202  | 97278598    | 10,000 ft.-lb. | ¾ and 1 in.  | 1                 | 12 in.         |
| C102-5203  | 91016353    | 10,000 ft.-lb. | ¾ and 1 in.  | 1                 | 14 in.         |
| <b>6,000 ft.-lb. Mid-Strength Anchor - 1¾ in. Core - 3 in. Pitch</b> |             |                |              |                   |                |
| E102-1629  | 88057688    | 6,000 ft.-lb.  | 5/8 in.      | 1                 | 8 in.          |
| E102-1632  | 88057691    | 6,000 ft.-lb.  | ¾ and 1 in.  | 1                 | 8 in.          |
| E102-1630  | 88057689    | 6,000 ft.-lb.  | 5/8 in.      | 1                 | 10 in.         |
| E102-1633  | 88057692    | 6,000 ft.-lb.  | ¾ and 1 in.  | 1                 | 10 in.         |
| E102-1631  | 88057690    | 6,000 ft.-lb.  | 5/8 in.      | 1                 | 12 in.         |
| E102-1634  | 88057693    | 6,000 ft.-lb.  | ¾ and 1 in.  | 1                 | 12 in.         |
| E102-1801  | 90013115    | 6,000 ft.-lb.  | ¾ and 1 in.  | 1                 | 14 in.         |
| E102-1635  | 88304629    | 6,000 ft.-lb.  | ¾ and 1 in.  | 2                 | 4 in.          |
| E102-1636  | 88057694    | 6,000 ft.-lb.  | ¾ and 1 in.  | 2                 | 8 in.          |
| E102-1637  | 88057695    | 6,000 ft.-lb.  | ¾ and 1 in.  | 2                 | 10 in.         |

## Anchor Rods, Galvanized

Chance®



Available for one, two or three guys for use with expanding and cross-plate anchors. Thimbleye® adapter, Twineye® adapter and Tripleye® adapter rods distribute pulling stresses uniformly over individual strands of guy wire and keep the guy wire from spreading, kinking or bending. The drop-forged eye of each anchor rod is stronger than the rod itself. Rod length and diameter are stamped below each rod eye. Each rod is threaded 3½ in. minimum length. Nuts are included.

| Mfg. No. | Advanced ID | Eye Nut Style | Rod Tensile Strength | Rod Diameter | Length | Finish     |
|----------|-------------|---------------|----------------------|--------------|--------|------------|
| 5315     | 88056169    | Thimbleye     | 16000 lb             | 5/8 in.      | 5 ft.  | Galvanized |
| 5316     | 88056170    | Thimbleye     | 16000 lb             | 5/8 in.      | 6 ft.  | Galvanized |
| 5346     | 88056178    | Twineye       | 16000 lb             | 5/8 in.      | 6 ft.  | Galvanized |
| 5317     | 88056171    | Thimbleye     | 16000 lb             | 5/8 in.      | 7 ft.  | Galvanized |
| 5347     | 88056179    | Twineye       | 16000 lb             | 5/8 in.      | 7 ft.  | Galvanized |
| 6417     | 88056246    | Ovaleye       | 16000 lb             | 5/8 in.      | 7 ft.  | Galvanized |
| 5318     | 88056172    | Thimbleye     | 16000 lb             | 5/8 in.      | 8 ft.  | Galvanized |
| 5348     | 88056180    | Twineye       | 16000 lb             | 5/8 in.      | 8 ft.  | Galvanized |
| 5326     | 88056173    | Thimbleye     | 23000 lb             | ¾ in.        | 6 ft.  | Galvanized |
| 5356     | 88056183    | Twineye       | 23000 lb             | ¾ in.        | 6 ft.  | Galvanized |
| 5327     | 88056174    | Thimbleye     | 23000 lb             | ¾ in.        | 7 ft.  | Galvanized |
| 5357     | 88056184    | Twineye       | 23000 lb             | ¾ in.        | 7 ft.  | Galvanized |
| 7557     | 88056353    | Tripleye      | 23000 lb             | ¾ in.        | 7 ft.  | Galvanized |
| 5328     | 88056175    | Thimbleye     | 23000 lb             | ¾ in.        | 8 ft.  | Galvanized |
| 5358     | 88056185    | Twineye       | 23000 lb             | ¾ in.        | 8 ft.  | Galvanized |
| 7558     | 88056354    | Tripleye      | 23000 lb             | ¾ in.        | 8 ft.  | Galvanized |
| 5359     | 88056186    | Twineye       | 23000 lb             | ¾ in.        | 9 ft.  | Galvanized |
| 7559     | 88056355    | Tripleye      | 23000 lb             | ¾ in.        | 9 ft.  | Galvanized |
| 5360     | 88056187    | Twineye       | 23000 lb             | ¾ in.        | 10 ft. | Galvanized |
| 5338     | 88056176    | Thimbleye     | 36000 lb             | 1 in.        | 8 ft.  | Galvanized |
| 5368     | 88056188    | Twineye       | 36000 lb             | 1 in.        | 8 ft.  | Galvanized |
| 7568     | 88056356    | Tripleye      | 36000 lb             | 1 in.        | 8 ft.  | Galvanized |
| 5369     | 88056190    | Twineye       | 36000 lb             | 1 in.        | 9 ft.  | Galvanized |
| 5340     | 88056177    | Thimbleye     | 36000 lb             | 1 in.        | 10 ft. | Galvanized |
| 5370     | 88056192    | Twineye       | 36000 lb             | 1 in.        | 10 ft. | Galvanized |
| 7570     | 88056357    | Tripleye      | 36000 lb             | 1 in.        | 10 ft. | Galvanized |
| 6440     | 88056247    | Ovaleye       | 36000 lb             | 1 in.        | 10 ft. | Galvanized |



### PISA® Anchor Rods, Eyenuts and Couplings

Chance®



Power installed Screw Anchors. The PISA® system consists of a screw anchor, anchor rod and a special installing wrench. Each anchor has a galvanized steel threaded anchor rod with an upset hex; single or twin helices and a galvanized guy wire nut which is screwed to the anchor rod end. PISA anchors can be installed in a matter of minutes.

| Mfg. No.                                       | Advanced ID     | Eyenut Style | Rod Tensile Strength | Rod Diameter  | Length    | Finish     |
|--|-----------------|--------------|----------------------|---------------|-----------|------------|
| <b>PISA Anchor Rods</b>                        |                 |              |                      |               |           |            |
| 12634P   | <b>88057585</b> | -            | 23000 lb             | 3/4 in.       | 3 1/2 ft. | Galvanized |
| 12338P   | <b>88057579</b> | -            | 36000 lb             | 1 in.         | 3 1/2 ft. | Galvanized |
| 12332P   | <b>88057577</b> | -            | 16000 lb             | 5/8 in.       | 7 ft.     | Galvanized |
| 12632P   | <b>88057584</b> | -            | 23000 lb             | 3/4 in.       | 7 ft.     | Galvanized |
| 12334P   | <b>88057578</b> | -            | 36000 lb             | 1 in.         | 7 ft.     | Galvanized |
| <b>PISA Anchor Rod and Eyenut Combinations</b> |                 |              |                      |               |           |            |
| E102-0035                                      | <b>88057673</b> | Thimbleye    | 16000 lb             | 5/8 in.       | 7 ft.     | Galvanized |
| E102-0043                                      | <b>88057675</b> | Twineye      | 16000 lb             | 5/8 in.       | 7 ft.     | Galvanized |
| E102-0036                                      | <b>88304625</b> | Thimbleye    | 23000 lb             | 3/4 in.       | 7 ft.     | Galvanized |
| E102-0044                                      | <b>88057676</b> | Twineye      | 23000 lb             | 3/4 in.       | 7 ft.     | Galvanized |
| E102-0052                                      | <b>88057678</b> | Tripleye     | 23000 lb             | 3/4 in.       | 7 ft.     | Galvanized |
| E102-0037                                      | <b>96000294</b> | Thimbleye    | 36000 lb             | 1 in.         | 7 ft.     | Galvanized |
| E102-0045                                      | <b>88057677</b> | Twineye      | 36000 lb             | 1 in.         | 7 ft.     | Galvanized |
| E102-0053                                      | <b>88057679</b> | Tripleye     | 36000 lb             | 1 in.         | 7 ft.     | Galvanized |
| <b>PISA Anchor Rod Couplings</b>               |                 |              |                      |               |           |            |
| 12245P   | <b>88057571</b> | -            | 16000 lb             | 5/8 in.       | -         | Galvanized |
| 12247P   | <b>88057572</b> | -            | 23000/36000 lb       | 3/4 and 1 in. | -         | Galvanized |

### Bonding Clamps - Aluminum with Galvanized Finish

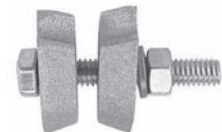
Chance®



G5067



G5060



G5065

Bonding Clamps make a dependable mechanical and electrical pressure contact between guy strand and anchor rod when the guy is part of the grounding system. Used on Thimbleye and Angle-Thimbleye bolts to keep hardware-to-guy contacts tight. Also used to prevent excessive wear on guy strands and protect galvanizing. Maintains electrical continuity.

| Mfg. No.  | Advanced ID     | Anchor Rod Size    | Anchor Rod Type |
|---|-----------------|--------------------|-----------------|
| <b>For use with Power Installed Screw Anchors</b> |                 |                    |                 |
| G5067   | <b>88057177</b> | 1/2 and 5/8 in.    | Thimbleye       |
| G5068   | <b>88057178</b> | 3/4 and 1 in.      | Thimbleye       |
| G5069   | <b>88057179</b> | 5/8, 3/4 and 1 in. | Twineye         |
| C203-0148   | <b>88056556</b> | 5/8, 3/4 and 1 in. | Tripleye        |
| <b>For use with Expanding and Rock Anchors</b>    |                 |                    |                 |
| G5060   | <b>88057173</b> | 1/2 and 5/8 in.    | Thimbleye       |
| G5061   | <b>88057174</b> | 5/8, 3/4 and 1 in. | Twineye         |
| G5063   | <b>88057175</b> | 3/4 and 1 in.      | Tripleye        |
| <b>For use with No-Wrench Screw Anchors</b>       |                 |                    |                 |
| G5065   | <b>88057176</b> | 3/4 and 1 in.      | Thimbleye       |



## Distribution-Grip

### Preformed Line Products



Distribution-Grip dead-end, manufactured of aluminum covered steel, is designed for single pole distribution construction. Mechanical strength meets the requirements of primaries, secondaries and substation feeders.

Crossover Marks indicate starting point for application.

Color Code and Length assist in identification of conductor size.

Open-Helix Loop Furnished at standard for smaller sizes. Larger sizes are furnished with Cabled Loop to accommodate a variety of acceptable fittings.

Identification Tape shows catalog number, nominal size.

| Mfg. No. | Advanced ID     | Diameter Range (in.) | ACSR               | All-Alum. | Alum. Alloy | Comp. ACSR | AWAC 6/1 | Length (in.) | Color Code |
|----------|-----------------|----------------------|--------------------|-----------|-------------|------------|----------|--------------|------------|
| DG-4541  | <b>88202865</b> | .229-.257            | #4, 6/1<br>#4, 7/1 | #4, 7W    | #4, 7W      | #4, 6/1    | #4       | 17           | Orange     |
| DG-4544  | <b>88202867</b> | .365-.409            | 1/0, 6/1           | 1/0, 7W   | 1/0, 7W     | 1/0, 6/1   | 1/0      | 26           | Yellow     |
| DG-4545  | <b>88306630</b> | .410-.460            | 2/0, 6/1           | 2/0, 7W   | 2/0, 7W     | 2/0, 6/1   | 2/0      | 28           | Blue       |
| DG-4546  | <b>88202868</b> | .461-.516            | 3/0, 6/1           | 3/0, 7W   | 3/0, 7W     | 3/0, 6/1   | 3/0      | 32           | Orange     |
| DG-4547  | <b>88306631</b> | .517-.577            | 4/0, 6/1           | 4/0, 7W   | 4/0, 7W     | 4/0, 6/1   | 4/0      | 34           | Red        |

## Service-Grip

### Preformed Line Products

Service-Grip dead-end, manufactured of aluminum-covered steel, is designed for bare neutral messengers of self-supporting cable used in making service drops. The dead-end is recommended for service drops by reason of minimum length, economy, and neatness of appearance. Mechanical strength meets the requirements for NESC Grade "N", Rule 263-E, Supply Services, Spans not exceeding 150 feet.

Crossover Marks indicate starting point for application.

Color Code and Length assist in identification of conductor size.

Identification Tape shows catalog number, nominal size.

Designed for use with a variety of porcelain fittings with diameters from 1<sup>1</sup>/<sub>8</sub> to 3 inches.



| Mfg. No. | Advanced ID     | Diameter (in.) | ACSR               | All-Alum. | Alum. Alloy | Length (in.) | Color Code |
|----------|-----------------|----------------|--------------------|-----------|-------------|--------------|------------|
| SG-4500  | <b>88202904</b> | .169 - .198    | #6, 6/1            | #6, 7W    | #6, 7W      | 11           | Blue       |
| SG-4502  | <b>88202905</b> | .225 - .257    | #4, 6/1<br>#4, 7/1 | #4, 7W    | #4, 7W      | 13           | Orange     |
| SG-4504  | <b>88202906</b> | .290 - .325    | #2, 6/1<br>#2, 7/1 | #2, 7W    | #2, 7W      | 15           | Red        |
| SG-4506  | <b>88202908</b> | .361 - .400    | 1/0, 6/1           | 1/0, 7W   | 1/0, 7W     | 19           | Yellow     |
| SG-4507  | <b>88202909</b> | .401 - .450    | 2/0, 6/1           | 2/0, 7W   | 2/0, 7W     | 21           | Blue       |

### Big-Grip

#### Preformed Line Products

Big-Grip deadends are designed for use on transmission, antenna, communications and other types of guyed structures that require use of large guy strand. For Use on Extra High Strength, Siemens Martin, High Strength and Utility Grade. Big-Grip deadends are made from material which is compatible with the strand they are designed to be used with.

Crossover marks indicate starting point for application.

Color code and length assist identification of strand size.

Identification tape shows catalog number, nominal sizes.

Short leg-long leg identifies rods belonging to each leg, after application. During application, the short leg should be applied first.

C-Coat galvanized steel used on  $\frac{1}{2}$ ,  $\frac{9}{16}$  and  $\frac{5}{8}$  inch size.

B-Coat galvanized steel used on  $\frac{3}{4}$  inch size.



| Mfg. No. | Advanced ID     | Diameter                  | Color Code |
|----------|-----------------|---------------------------|------------|
| BG-2111  | <b>92142328</b> | 7W .621 in., 19W .625 in. | Black      |
| BG-2112  | <b>97214849</b> | 19W .750 in.              | Orange     |
| BG-2115  | <b>88202858</b> | 7W .459 in., 19W .500 in. | Blue       |
| BG-2116  | <b>88202859</b> | 7W .564 in., 19W .565 in. | Yellow     |

**Note:** Left-Hand Lay Standard

### GUY-GRIP®

#### Preformed Line Products

GUY-GRIP deadends are intended for use on single wood poles associated with distribution construction. For use on Extra High Strength, High Strength, Siemens Martin and Utility Grade.

Cabled loop furnished as standard.

Pitch length - one complete wrap.

Color code and length assist in identification of strand size.

Identification tape shows catalog number, nominal sizes.

Short leg-long leg identifies rods belonging to each leg, after application. During application, the short leg should be applied first.



| Mfg. No.                         | Advanced ID     | Diameter                              | Color Code |
|----------------------------------|-----------------|---------------------------------------|------------|
| <b>Galvanized Steel - B Coat</b> |                 |                                       |            |
| GDE-1104                         | <b>88202870</b> | 3W .259 in., 7W .240 in.              | Yellow     |
| GDE-1105                         | <b>22074624</b> | 7W .279 in., 7W .240 in.              | Blue       |
| GDE-1106                         | <b>88202871</b> | 3W .312 in., 7W .312 in., 7W .327 in. | Black      |
| GDE-1107                         | <b>88202872</b> | 3W .356 in., 7W .360 in.              | Orange     |
| GDE-1108                         | <b>88202873</b> | 7W .435 in.                           | Green      |

### Guy Markers

#### Preformed Line Products

PLP Guy Markers are used for identifying down guys or other wire and cable installations where anchoring devices are exposed to pedestrian and/or vehicular traffic.



| Mfg. No. | Advanced ID     | Color  | Length | Material     | Outside Diameter | Shape |
|----------|-----------------|--------|--------|--------------|------------------|-------|
| PG-5518  | <b>88202900</b> | Yellow | 8 ft.  | PVC          | 1½ in.           | Round |
| PG-5718  | <b>88202901</b> | Yellow | 8 ft.  | Polyethylene | 1½ in.           | Round |

## Deadends, Bolted - Aluminum

Anderson



Straight Line Spring Loaded



Straight Line Strain Clamp



Quadrant Strain Clamp

The Side Opening Deadend is for distribution and light transmission construction with all aluminum, ACSR or aluminum alloy conductor. The spring loaded keeper permits easy conductor insertion and lower installation cost. Captive nuts prevent disassembly and loss of hardware during installation on energized or de-energized lines. The pivotal keeper design avoids friction between body and keeper during installation. The Straight Line Strain Clamp is for distribution and light transmission construction with all aluminum, ACSR or aluminum alloy conductor. These clamps have high holding power and large range taking ability (straight contoured groove).

The Straight Line Stirrup Clamp is for distribution construction with all aluminum, ACSR or aluminum alloy conductor. This clamp is a combination deadend and stirrup or tap clamp. The stirrup permits tapping energized conductors without arching damage to the conductor. Material and installation costs are less with the ADES combination clamp than with other equivalent methods of deadending and tapping a conductor. The Quadrant Strain Clamp, Type SD, is for high-tension transmission line construction with all aluminum, ACSR or aluminum alloy conductor. The Quadrant Strain Clamp, Type DE and PG, is for distribution and light transmission construction with all aluminum, ACSR or aluminum alloy conductor.

MATERIAL: Body and Keeper, 356-T6 Aluminum Alloy; Hardware, Galvanized Steel; Sockets and Clevises, Ductile Iron, Galvanized; Cotter Pin #302 Stainless Steel; Stirrup (Stirrup Clamp), Copper

| Mfg. No.  | Advanced ID              | Conductor Diameter Range | Ultimate Body Strength | Number of Bolts | Bolt Size | Fitting Type |
|---|--------------------------|--------------------------|------------------------|-----------------|-----------|--------------|
| <b>Straight Line Spring Loaded Keeper, Side Opening Deadend</b> |                          |                          |                        |                 |           |              |
| ADSO-46-N   | <a href="#">89030702</a> | .18-.46 in.              | 6000 lb                | 1               | 3/8 in.   | None         |
| ADEZ-47-N   | <a href="#">96092661</a> | .18-.47 in.              | 7000 lb                | 2               | 3/8 in.   | None         |
| ADEZ-57-N   | <a href="#">96092662</a> | .23-.57 in.              | 8000 lb                | 2               | 3/8 in.   | None         |
| ADEZ-88-N   | <a href="#">96083928</a> | .44-.88 in.              | 10000 lb               | 2               | 1/2 in.   | None         |
| <b>Straight Line Strain Clamp</b>                               |                          |                          |                        |                 |           |              |
| ADS-47-N  | <a href="#">88251347</a> | .18-.47 in.              | 7000 lb                | 1               | 1/2 in.   | None         |
| ADS-48-N  | <a href="#">88251348</a> | .18-.502 in.             | 7000 lb                | 2               | 3/8 in.   | None         |
| ADS-88-N  | <a href="#">88251350</a> | .31-.88 in.              | 10000 lb               | 2               | 1/2 in.   | None         |
| SD-86-S   | <a href="#">90061859</a> | .46-.94 in.              | 25000 lb               | 4               | 1/2 in.   | Socket       |
| SD-112-S  | <a href="#">89040878</a> | .50-1.20 in.             | 30000 lb               | 5               | 1/2 in.   | Socket       |
| SD-130-N  | <a href="#">89087392</a> | .70-1.39 in.             | 35000 lb               | 5               | 5/8 in.   | None         |
| SD-130-S  | <a href="#">88251591</a> | .70-1.39 in.             | 30000 lb               | 5               | 5/8 in.   | Socket       |
| SD-155-S  | <a href="#">22083581</a> | 1.18-1.52 in.            | 30000 lb               | 5               | 5/8 in.   | Socket       |
| <b>Quadrant Strain Clamp, Type DE &amp; PG</b>                  |                          |                          |                        |                 |           |              |
| DE-46-N   | <a href="#">88251449</a> | .18-.52 in.              | 8000 lb                | 1               | 1/2 in.   | None         |
| PG-46-N   | <a href="#">88251581</a> | .18-.52 in.              | 8000 lb                | 2               | 3/8 in.   | None         |
| PG-57-N   | <a href="#">88251582</a> | .25-.57 in.              | 10000 lb               | 2               | 1/2 in.   | None         |
| PG-57-S   | <a href="#">88251583</a> | .25-.57 in.              | 10000 lb               | 2               | 1/2 in.   | Socket       |
| PG-70-N   | <a href="#">88251584</a> | .46-.73 in.              | 15000 lb               | 2               | 1/2 in.   | None         |

### Double-Arming Bolts

Chance®

Chance drop-forged steel Double-Arming Eye Bolts have a cone type point and are threaded to within 2 in. of the 1½ x 2 in. eye. Hot dip galvanized steel. Double-Arming Full Thread Bolts permit replacement ease in double arms and offer added flexibility of use. Cone type point for easy starting and driving-out without damage to threads. Each bolt provided with 4 square nuts. Hot dip galvanized steel.



| Mfg. No.                               | Advanced ID     | Diameter | Eye Size   | Length | Number of Nuts | Tensile Strength |
|--|-----------------|----------|------------|--------|----------------|------------------|
| <b>Double-Arming Eye Bolts</b>         |                 |          |            |        |                |                  |
| 19784                                  | <b>88056034</b> | 5/8 in.  | 1½ x 2 in. | 14 in. | 3              | 12400 lb         |
| 19786                                  | <b>93159189</b> | 5/8 in.  | 1½ x 2 in. | 16 in. | 3              | 12400 lb         |
| 19788                                  | <b>88056035</b> | 5/8 in.  | 1½ x 2 in. | 18 in. | 3              | 12400 lb         |
| <b>Double-Arming Full Thread Bolts</b> |                 |          |            |        |                |                  |
| 8862                                   | <b>88056468</b> | 5/8 in.  | No Eye     | 12 in. | 4              | 12400 lb         |
| 8864                                   | <b>88056469</b> | 5/8 in.  | No Eye     | 14 in. | 4              | 12400 lb         |
| 8866                                   | <b>88056470</b> | 5/8 in.  | No Eye     | 16 in. | 4              | 12400 lb         |
| 8868                                   | <b>88056471</b> | 5/8 in.  | No Eye     | 18 in. | 4              | 12400 lb         |
| 8870                                   | <b>88056473</b> | 5/8 in.  | No Eye     | 20 in. | 4              | 12400 lb         |
| 8872                                   | <b>88056474</b> | 5/8 in.  | No Eye     | 22 in. | 4              | 12400 lb         |
| 8874                                   | <b>88056475</b> | 5/8 in.  | No Eye     | 24 in. | 4              | 12400 lb         |
| 8876                                   | <b>88056476</b> | 5/8 in.  | No Eye     | 26 in. | 4              | 12400 lb         |
| 8877                                   | <b>88056477</b> | 5/8 in.  | No Eye     | 28 in. | 4              | 12400 lb         |
| 8878                                   | <b>88056478</b> | 5/8 in.  | No Eye     | 30 in. | 4              | 12400 lb         |
| 8879                                   | <b>88056479</b> | 5/8 in.  | No Eye     | 32 in. | 4              | 12400 lb         |
| C205-0140                              | <b>88056585</b> | ¾ in.    | No Eye     | 6 in.  | 4              | 18350 lb         |
| C205-0141                              | <b>88056586</b> | ¾ in.    | No Eye     | 8 in.  | 4              | 18350 lb         |
| 8882                                   | <b>88056481</b> | ¾ in.    | No Eye     | 12 in. | 4              | 18350 lb         |
| 8884                                   | <b>88056482</b> | ¾ in.    | No Eye     | 14 in. | 4              | 18350 lb         |
| 8886                                   | <b>88056483</b> | ¾ in.    | No Eye     | 16 in. | 4              | 18350 lb         |
| 8888                                   | <b>88056484</b> | ¾ in.    | No Eye     | 18 in. | 4              | 18350 lb         |
| 8890                                   | <b>88056485</b> | ¾ in.    | No Eye     | 20 in. | 4              | 18350 lb         |
| 8892                                   | <b>88056486</b> | ¾ in.    | No Eye     | 22 in. | 4              | 18350 lb         |
| 8894                                   | <b>88056487</b> | ¾ in.    | No Eye     | 24 in. | 4              | 18350 lb         |
| 8896                                   | <b>88056488</b> | ¾ in.    | No Eye     | 26 in. | 4              | 18350 lb         |

## Machine Bolts

Chance®

Machine Bolts, also called crossarm bolts or through bolts, have rolled threads and one square nut. Bolts 6 in. or longer have cone-type points. Hot dip galvanized.



| Mfg. No. | Advanced ID | Bolt Length | Diameter | Tensile Strength | Thread Length |
|----------|-------------|-------------|----------|------------------|---------------|
| 8604     | 88056413    | 4 in.       | 3/8 in.  | 4250 lb          | 3 in.         |
| 8605     | 88056415    | 5 in.       | 3/8 in.  | 4250 lb          | 3 in.         |
| 8705     | 88056433    | 5 in.       | 1/2 in.  | 7800 lb          | 3 in.         |
| 8706     | 88056434    | 6 in.       | 1/2 in.  | 7800 lb          | 3 in.         |
| 8707     | 88056435    | 7 in.       | 1/2 in.  | 7800 lb          | 3 in.         |
| 8708     | 88056436    | 8 in.       | 1/2 in.  | 7800 lb          | 4 in.         |
| 8709     | 88056437    | 9 in.       | 1/2 in.  | 7800 lb          | 4 in.         |
| 8710     | 88056439    | 10 in.      | 1/2 in.  | 7800 lb          | 4 in.         |
| 8712     | 88056440    | 12 in.      | 1/2 in.  | 7800 lb          | 6 in.         |
| 8714     | 88056441    | 14 in.      | 1/2 in.  | 7800 lb          | 6 in.         |
| 8804     | 92137682    | 4 in.       | 5/8 in.  | 12400 lb         | 3 in.         |
| 8805     | 88056449    | 5 in.       | 5/8 in.  | 12400 lb         | 3 in.         |
| 8806     | 88056450    | 6 in.       | 5/8 in.  | 12400 lb         | 3 in.         |
| 8807     | 88056451    | 7 in.       | 5/8 in.  | 12400 lb         | 4 in.         |
| 8808     | 88056452    | 8 in.       | 5/8 in.  | 12400 lb         | 4 in.         |
| 8809     | 88056453    | 9 in.       | 5/8 in.  | 12400 lb         | 4 in.         |
| 8810     | 88056456    | 10 in.      | 5/8 in.  | 12400 lb         | 6 in.         |
| 8812     | 88056457    | 12 in.      | 5/8 in.  | 12400 lb         | 6 in.         |
| 8814     | 88056458    | 14 in.      | 5/8 in.  | 12400 lb         | 6 in.         |
| 8816     | 88056459    | 16 in.      | 5/8 in.  | 12400 lb         | 6 in.         |
| 8818     | 88056460    | 18 in.      | 5/8 in.  | 12400 lb         | 6 in.         |
| 8820     | 88056461    | 20 in.      | 5/8 in.  | 12400 lb         | 6 in.         |
| 8822     | 88056462    | 22 in.      | 5/8 in.  | 12400 lb         | 6 in.         |
| 8824     | 88056463    | 24 in.      | 5/8 in.  | 12400 lb         | 6 in.         |
| 8908     | 88056490    | 8 in.       | 3/4 in.  | 18350 lb         | 4 in.         |
| 8910     | 88056491    | 10 in.      | 3/4 in.  | 18350 lb         | 6 in.         |
| 8912     | 88056492    | 12 in.      | 3/4 in.  | 18350 lb         | 6 in.         |
| 8914     | 88056493    | 14 in.      | 3/4 in.  | 18350 lb         | 6 in.         |
| 8916     | 88056494    | 16 in.      | 3/4 in.  | 18350 lb         | 6 in.         |
| 8918     | 88056495    | 18 in.      | 3/4 in.  | 18350 lb         | 6 in.         |
| 8920     | 88056496    | 20 in.      | 3/4 in.  | 18350 lb         | 6 in.         |
| 8922     | 88056497    | 22 in.      | 3/4 in.  | 18350 lb         | 6 in.         |
| 8924     | 88056498    | 24 in.      | 3/4 in.  | 18350 lb         | 6 in.         |
| 8926     | 88056499    | 26 in.      | 3/4 in.  | 18350 lb         | 6 in.         |

## Ovaleye Bolts

Chance®

Bolts with 5/8 and 3/4 in. shanks have 1 1/2 x 2 in. ovaeyes. Drop-forged, galvanized steel bolts have cone type points, rolled threads and one square nut.



| Mfg. No. | Advanced ID | Eye Size             | Length Under Eye | Shank Diameter | Tensile Strength | Thread Length |
|----------|-------------|----------------------|------------------|----------------|------------------|---------------|
| 29956    | 88056071    | 9/16 x 1 1/2 x 2 in. | 6 in.            | 5/8 in.        | 12400 lb         | 4 in.         |
| 29958    | 88056072    | 9/16 x 1 1/2 x 2 in. | 8 in.            | 5/8 in.        | 12400 lb         | 4 in.         |
| 29959    | 88056073    | 9/16 x 1 1/2 x 2 in. | 9 in.            | 5/8 in.        | 12400 lb         | 4 in.         |
| 29960    | 88056074    | 9/16 x 1 1/2 x 2 in. | 10 in.           | 5/8 in.        | 12400 lb         | 6 in.         |
| 29962    | 88056075    | 9/16 x 1 1/2 x 2 in. | 12 in.           | 5/8 in.        | 12400 lb         | 6 in.         |
| 29964    | 88056076    | 9/16 x 1 1/2 x 2 in. | 14 in.           | 5/8 in.        | 12400 lb         | 6 in.         |
| 29966    | 88056077    | 9/16 x 1 1/2 x 2 in. | 16 in.           | 5/8 in.        | 12400 lb         | 6 in.         |
| 29968    | 88056078    | 9/16 x 1 1/2 x 2 in. | 18 in.           | 5/8 in.        | 12400 lb         | 6 in.         |
| 29970    | 88319637    | 9/16 x 1 1/2 x 2 in. | 20 in.           | 5/8 in.        | 12400 lb         | 6 in.         |

### Guy Clamps

Chance®

Guy Clamp parallel grooves trap strand tightly without marring. Plate halves align evenly for easy application. Each bolt has a shoulder to prevent turning while tightening. Hot dip galvanized steel. Available with 1/2 or 5/8 in. bolts.



| Mfg. No.  | Advanced ID     | Bolt Size | Length    | Nominal Guy Wire Size | Width       |
|---|-----------------|-----------|-----------|-----------------------|-------------|
| <b>Two Bolt guy wire clamp, parallel groove</b>   |                 |           |           |                       |             |
| 6448  | <b>88056248</b> | 1/2 in.   | 3 3/8 in. | 1/4 thru 7/16 in.     | 1 9/16 in.  |
| <b>Three Bolt guy wire clamp, parallel groove</b> |                 |           |           |                       |             |
| 6449  | <b>88056249</b> | 1/2 in.   | 4 in.     | 1/4 thru 7/16 in.     | 1 9/16 in.  |
| 6450  | <b>88056250</b> | 1/2 in.   | 6 in.     | 1/4 thru 7/16 in.     | 1 9/16 in.  |
| 6460  | <b>88056256</b> | 5/8 in.   | 6 in.     | 3/8 thru 5/8 in.      | 2 1/8 in.   |
| 6461  | <b>88056257</b> | 5/8 in.   | 6 in.     | 5/16 thru 1/2 in.     | 1 21/32 in. |

### Lag Screws

Chance®

Lag Screws of 1/4, 3/8 and 1/2 in. diameter have upset shoulders. Hot dip galvanized.



| Mfg. No.                        | Advanced ID     | Diameter | Finish     | Head Type       | Length    | Material | Thread Length | Thread Type              |
|---------------------------------|-----------------|----------|------------|-----------------|-----------|----------|---------------|--------------------------|
| <b>Gimlet Point</b>             |                 |          |            |                 |           |          |               |                          |
| 8721-1/2GP                      | <b>88056442</b> | 1/4 in.  | Galvanized | 3/8 in. Square  | 1 1/2 in. | Steel    | 1 1/8 in.     | Gimlet Point             |
| 8722GP                          | <b>88056443</b> | 1/4 in.  | Galvanized | 3/8 in. Square  | 2 1/2 in. | Steel    | 1 3/4 in.     | Gimlet Point             |
| 8722-1/2GP                      | <b>88056444</b> | 1/4 in.  | Galvanized | 3/8 in. Square  | 2 in.     | Steel    | 1 1/2 in.     | Gimlet Point             |
| <b>Twist Drive Pilot-Point</b>  |                 |          |            |                 |           |          |               |                          |
| 508500                          | <b>88056157</b> | 1/2 in.  | Galvanized | 3/4 in. Square  | 4 in.     | Steel    | 2 5/8 in.     | Twist Drive Pilot-Point  |
| <b>Fetter Drive Pilot-Point</b> |                 |          |            |                 |           |          |               |                          |
| 508743                          | <b>88056158</b> | 3/8 in.  | Galvanized | 9/16 in. Square | 3 in.     | Steel    | 2 in.         | Fetter Drive Pilot-Point |
| 508744                          | <b>88056159</b> | 3/8 in.  | Galvanized | 9/16 in. Square | 4 in.     | Steel    | 3 in.         | Fetter Drive Pilot-Point |
| 508753                          | <b>88056160</b> | 1/2 in.  | Galvanized | 3/4 in. Square  | 3 in.     | Steel    | 2 1/4 in.     | Fetter Drive Pilot-Point |
| 508754                          | <b>88056161</b> | 1/2 in.  | Galvanized | 3/4 in. Square  | 4 in.     | Steel    | 2 5/8 in.     | Fetter Drive Pilot-Point |
| 508754-1/2                      | <b>88056162</b> | 1/2 in.  | Galvanized | 3/4 in. Square  | 4 1/2 in. | Steel    | 2 5/8 in.     | Fetter Drive Pilot-Point |
| 508755                          | <b>88056163</b> | 1/2 in.  | Galvanized | 3/4 in. Square  | 5 in.     | Steel    | 3 in.         | Fetter Drive Pilot-Point |

### Curved Washers

Chance®

Galvanized steel.



| Mfg. No. | Advanced ID     | Bolt Diameter | Hole Diameter | Size              | Thickness |
|----------|-----------------|---------------|---------------|-------------------|-----------|
| 6810-1/2 | <b>88056293</b> | 5/8 in.       | 1 1/16 in.    | 2 1/4 x 2 1/4 in. | 3/16 in.  |
| 6822     | <b>88056305</b> | 5/8 in.       | 1 1/16 in.    | 2 1/2 x 2 1/2 in. | 3/16 in.  |
| 6822-1/2 | <b>88056306</b> | 3/4 in.       | 1 3/16 in.    | 3 x 3 in.         | 1/4 in.   |
| 6823     | <b>88056307</b> | 3/4 in.       | 7/8 in.       | 3 x 3 in.         | 1/4 in.   |
| 6823-1/2 | <b>88056308</b> | 5/8 in.       | 1 1/16 in.    | 3 x 3 in.         | 1/4 in.   |
| 6825     | <b>88056309</b> | 3/4 in.       | 1 3/16 in.    | 3 1/4 x 3 1/4 in. | 1/4 in.   |
| 6809-1/2 | <b>88056292</b> | 7/8 in.       | 1 5/16 in.    | 4 x 4 in.         | 1/4 in.   |



## Round Washers

Chance®

Galvanized steel.



| Mfg. No. | Advanced ID     | Bolt Diameter | Hole Diameter | Size           | Thickness |
|----------|-----------------|---------------|---------------|----------------|-----------|
| 6801     | <b>88056288</b> | 3/8 in.       | 7/16 in.      | 1 in. O.D.     | 14 Gauge  |
| 6802     | <b>90011033</b> | 3/8 in.       | 9/16 in.      | 1 1/4 in. O.D. | 14 Gauge  |
| 6803     | <b>88056289</b> | 1/2 in.       | 9/16 in.      | 1 3/8 in. O.D. | 12 Gauge  |
| 6805     | <b>88056290</b> | 5/8 in.       | 11/16 in.     | 1 3/4 in. O.D. | 10 Gauge  |
| 6806     | <b>88056291</b> | 3/4 in.       | 13/16 in.     | 2 in. O.D.     | 9 Gauge   |

## Square Washers

Chance®

Galvanized steel.



| Mfg. No. | Advanced ID     | Bolt Diameter | Hole Diameter | Size              | Thickness |
|----------|-----------------|---------------|---------------|-------------------|-----------|
| 6811     | <b>88056294</b> | 1/2 in.       | 9/16 in.      | 2 x 2 in.         | 1/8 in.   |
| 6812     | <b>88056295</b> | 5/8 in.       | 11/16 in.     | 2 x 2 in.         | 1/8 in.   |
| 6813     | <b>88056296</b> | 5/8 in.       | 11/16 in.     | 2 1/4 x 2 1/4 in. | 3/16 in.  |
| 6814     | <b>88056297</b> | 3/4 in.       | 13/16 in.     | 2 1/4 x 2 1/4 in. | 3/16 in.  |
| 6816     | <b>88056298</b> | 3/4 in.       | 13/16 in.     | 3 x 3 in.         | 3/16 in.  |
| 6817     | <b>88056299</b> | 3/4 in.       | 13/16 in.     | 3 x 3 in.         | 1/4 in.   |
| 6818     | <b>88056300</b> | 3/4 in.       | 13/16 in.     | 4 x 4 in.         | 3/16 in.  |
| 6818-1/2 | <b>88056301</b> | 3/4 in.       | 7/8 in.       | 4 x 4 in.         | 1/4 in.   |
| 6819     | <b>88056302</b> | 7/8 in.       | 15/16 in.     | 4 x 4 in.         | 1/4 in.   |
| 6819-1/2 | <b>88056303</b> | 3/4 in.       | 13/16 in.     | 4 x 4 in.         | 1/2 in.   |
| 6820     | <b>88056304</b> | 1 in.         | 1 1/8 in.     | 4 x 4 in.         | 1/2 in.   |

## Staples

Chance®

Chance copper coated, electro zinc and hot dip galvanized steel staples are used to secure ground wire and ground wire molding to wood poles.



| Mfg. No.                      | Advanced ID     | Wire Diameter | Length    | Inside Width | Finish             |
|-------------------------------|-----------------|---------------|-----------|--------------|--------------------|
| <b>Rolled (Diamond) Point</b> |                 |               |           |              |                    |
| C205-0224                     | <b>88305577</b> | .114 in.      | 1 1/4 in. | 1/4 in.      | Copper Coated      |
| C205-0225                     | <b>89020001</b> | .144 in.      | 1 1/2 in. | 5/16 in.     | Copper Coated      |
| C205-0214                     | <b>88056592</b> | .148 in.      | 1 1/2 in. | 3/8 in.      | Hot Dip Galvanized |
| C205-0208                     | <b>22083579</b> | .148 in.      | 1 3/4 in. | 3/8 in.      | Electro Zinc       |
| C205-0215                     | <b>88056593</b> | .148 in.      | 1 3/4 in. | 3/8 in.      | Hot Dip Galvanized |
| 9153                          | <b>88056519</b> | .144 in.      | 1 3/4 in. | 3/8 in.      | Copper Coated      |
| 7512                          | <b>88056350</b> | .162 in.      | 2 in.     | 1/2 in.      | Electro Zinc       |
| C205-0216                     | <b>88056594</b> | .162 in.      | 2 in.     | 1/2 in.      | Hot Dip Galvanized |
| 9154                          | <b>88056520</b> | .162 in.      | 2 in.     | 1/2 in.      | Copper Coated      |
| C205-0209                     | <b>93148169</b> | .162 in.      | 2 in.     | 5/8 in.      | Electro Zinc       |
| C205-0210                     | <b>96090142</b> | .188 in.      | 2 in.     | 5/8 in.      | Electro Zinc       |
| C205-0217                     | <b>90071887</b> | .162 in.      | 2 in.     | 5/8 in.      | Hot Dip Galvanized |
| C205-0218                     | <b>98416680</b> | .188 in.      | 2 in.     | 5/8 in.      | Hot Dip Galvanized |
| C205-0226                     | <b>22000545</b> | .162 in.      | 2 in.     | 3/8 in.      | Copper Coated      |
| 7513                          | <b>88056351</b> | .187 in.      | 2 in.     | 1 1/16 in.   | Electro Zinc       |
| C205-0219                     | <b>88056595</b> | .188 in.      | 2 in.     | 1 1/16 in.   | Hot Dip Galvanized |
| C205-0229                     | <b>93159188</b> | .188 in.      | 2 in.     | 1 1/16 in.   | Copper Coated      |
| C205-0227                     | <b>88305623</b> | .188 in.      | 2 1/4 in. | 25/32 in.    | Copper Coated      |
| 7522                          | <b>88056352</b> | .250 in.      | 3 in.     | 1 1/16 in.   | Electro Zinc       |
| C205-0220                     | <b>88056596</b> | .250 in.      | 3 in.     | 1 1/16 in.   | Hot Dip Galvanized |
| 9161                          | <b>88056521</b> | .250 in.      | 3 in.     | 1 1/16 in.   | Copper Coated      |
| C205-0221                     | <b>88056597</b> | .250 in.      | 3 in.     | 1 1/2 in.    | Hot Dip Galvanized |
| <b>Cut Point</b>              |                 |               |           |              |                    |
| 7511-3/4                      | <b>88056349</b> | .148 in.      | 1 1/2 in. | 1/4 in.      | Electro Zinc       |
| C205-0247                     | <b>88305624</b> | .148 in.      | 1 1/2 in. | 1/4 in.      | Hot Dip Galvanized |
| 9167                          | <b>88056522</b> | .162 in.      | 1 1/2 in. | 3/8 in.      | Copper Coated      |
| 9169                          | <b>88056523</b> | .162 in.      | 2 in.     | 1/2 in.      | Copper Coated      |

## Crossarm Braces

Chance®

Crossarm flat braces have rounded ends and are punched at one end with a 9/16 in. hole, with a 7/16 in. hole at the other end. Holes punched 1 in. from brace end to center of hole. Hot dip galvanized steel.



| Mfg. No.   | Advanced ID     | Length | Hole-to-Hole | Material Size     | Overall Length |
|--|-----------------|--------|--------------|-------------------|----------------|
| <b>Flat Brace - Hole Size: 9/16 in. and 7/16 in.</b> |                 |        |              |                   |                |
| 7026   | <b>88056333</b> | 24 in. |              | 7/32 x 1 7/32 in. | 26 in.         |
| 7028   | <b>88056334</b> | 26 in. |              | 7/32 x 1 7/32 in. | 28 in.         |
| 7030   | <b>88056335</b> | 28 in. |              | 7/32 x 1 7/32 in. | 30 in.         |
| 7032   | <b>93148167</b> | 30 in. |              | 7/32 x 1 7/32 in. | 32 in.         |
| 7128   | <b>88056344</b> | 26 in. |              | 1/4 x 1 1/4 in.   | 28 in.         |
| 7130   | <b>88056345</b> | 28 in. |              | 1/4 x 1 1/4 in.   | 30 in.         |
| 7132   | <b>88056346</b> | 30 in. |              | 1/4 x 1 1/4 in.   | 32 in.         |

### Crossarm Insulator Pins

Chance®

The forged steel pins are made with 1 in. lead thread for 1 in. pin-type insulators. The 1/2 and 5/8 in. diameter shank pins are furnished with 2 x 2 x 1/8 in. square washers, and the 3/4 in. pins with 2 1/4 x 3/16 in. square washers. These pins come with square nut and curved lock nut. Short shank pins come with spring lock-washer and square nut only. Hot dip galvanized. The High Voltage Forged Steel Pins are also for use with pin-type insulators. Each pin is forged from a single steel piece. Lead threads are free of fins and mold-marks, perfect insulator seating. Made for wood crossarms, the long-shank type pins have a 3 x 3 x 3/16 in. square washer, square nut and curved lock nut.



| Mfg. No.  | Advanced ID              | Insulator Thread Diameter | Shank Diameter | Thread Length | Height Above Arm | Crossarm Type | Overall Length |
|---|--------------------------|---------------------------|----------------|---------------|------------------|---------------|----------------|
| <b>High Voltage Forged Steel Pins</b>             |                          |                           |                |               |                  |               |                |
| <b>For Wood Crossarms - 1 in.</b>                 |                          |                           |                |               |                  |               |                |
| 4705  | <a href="#">88056141</a> | 1 in.                     | 3/4 in.        | 2 1/2 in.     | 5 in.            | Wood          | 11 1/2 in.     |
| 4706  | <a href="#">88056142</a> | 1 in.                     | 3/4 in.        | 2 1/2 in.     | 6 in.            | Wood          | 12 1/2 in.     |
| <b>For Wood Crossarms - 1 3/8 in. Lead Thread</b> |                          |                           |                |               |                  |               |                |
| 4717  | <a href="#">88056143</a> | 1 3/8 in.                 | 5/8 in.        | 4 in.         | 7 in.            | Wood          | 14 in.         |
| 4326  | <a href="#">88056133</a> | 1 3/8 in.                 | 3/4 in.        | 3 in.         | 7 in.            | Wood          | 14 in.         |

### Pole Top Insulator Pins

Chance®

Two or three mounting hole Pole Top Insulator Pins. Straight base design. Hot dip galvanized pressed steel with lead or nylon insulator threads.



| Mfg. No.            | Advanced ID              | Mounting Hole Spacing | Overall Length | Thread Diameter |
|---------------------|--------------------------|-----------------------|----------------|-----------------|
| <b>Lead Threads</b> |                          |                       |                |                 |
| 2162                | <a href="#">22075257</a> | 5 in.                 | 15 in.         | 1 in.           |
| 2171                | <a href="#">22074457</a> | 6 and 8 in.           | 24 in.         | 1 in.           |
| 2174                | <a href="#">88056050</a> | 5 and 8 in.           | 20 in.         | 1 in.           |
| 2195                | <a href="#">88056052</a> | 8 in.                 | 20 in.         | 1 3/8 in.       |
| 2196                | <a href="#">88056053</a> | 8 in.                 | 24 in.         | 1 3/8 in.       |
| 2199                | <a href="#">88056055</a> | 8 in.                 | 20 in.         | 1 in.           |
| 2197-1              | <a href="#">88056054</a> | 5 and 8 in.           | 24 in.         | 1 in.           |
| C206-0140           | <a href="#">22074500</a> | 5 and 8 in.           | 24 in.         | 1 in.           |

## Suspension Clamps

Chance®



Angle



Straight

These steel suspension clamps are used with through bolts to support cable at poles. Through bolt also serves as clamping member. One or more nuts and/or washers are used between the pole and clamp for required spacing. No. 7901 is used on very light cables. This 1-bolt clamp consists of the 2 clamping members only. Nos. 7902-L and 7902-R are used at corners and angles. Nos. 7903 and 7904 are used on straight runs.

| Mfg. No. | Advanced ID     | Strand Size       | Mounting Bolt Size | Length    | Type                             |
|----------|-----------------|-------------------|--------------------|-----------|----------------------------------|
| 7901     | <b>88056373</b> | 1/4 thru 7/16 in. | 5/8 in.            | 2 1/2 in. | Straight                         |
| 7902L    | <b>88056374</b> | 1/4 thru 7/16 in. | 5/8 in.            | 7 in.     | Angle                            |
| 7902R    | <b>88056375</b> | 1/4 thru 7/16 in. | 3/4 in.            | 7 in.     | Angle                            |
| 7903     | <b>88056376</b> | 1/4 thru 7/16 in. | 5/8 in.            | 5 5/8 in. | Straight                         |
| 7903L    | <b>88056377</b> | 1/4 thru 7/16 in. | 5/8 in.            | 5 5/8 in. | Straight, With Flat Keeper Plate |
| 7904     | <b>88056378</b> | 1/4 thru 7/16 in. | 3/4 in.            | 5 5/8 in. | Straight                         |

## Guy Strand

National Strand Products / Bekaert

Among the many applications for Guy Strand are pole, tower and smoke-stack guying, operating railway signals, supporting trolley wires, as messenger wire to support electrical cables and as over-head ground (or static) wire for protection against lightning.

### Guy Strand Characteristics

Strands: 1

Lay: Left

Wires Per Strand: 7

Finish: Class A Galvanized Coating

Grade: Siemens-Martin, High Strength, Extra High Strength and Utilities

Specifications: ASTM-A475 and ASTM-A363

| Mfg. No. †                     | Advanced ID     | Grade               | Strength Rating | Minimum Elongation | Coated Wires Diameter | Approx. Strand Weight (1000 ft.-lbs.) | Length        |
|--------------------------------|-----------------|---------------------|-----------------|--------------------|-----------------------|---------------------------------------|---------------|
| <b>1/4 in. Strand Diameter</b> |                 |                     |                 |                    |                       |                                       |               |
| 1/4 EHS-A-7W-250-C-BAT         | <b>96089077</b> | Extra High Strength | 6,650 lb        | 0.04               | 0.080 in.             | 121                                   | 250 ft. Coil  |
| 1/4 EHS-A-7W-500-C-BAT         | <b>97170780</b> | Extra High Strength | 6,650 lb        | 0.04               | 0.080 in.             | 121                                   | 500 ft. Coil  |
| 1/4 EHS-A-7W-500-C-NSP         | <b>22085992</b> | Extra High Strength | 6,650 lb        | 0.04               | 0.080 in.             | 121                                   | 500 ft. Coil  |
| 1/4 EHS-A-7W-1000-R-BAT        | <b>96089076</b> | Extra High Strength | 6,650 lb        | 0.04               | 0.080 in.             | 121                                   | 1000 ft. Reel |
| 1/4 EHS-A-7W-5000-R-BAT        | <b>96080052</b> | Extra High Strength | 6,650 lb        | 0.04               | 0.080 in.             | 121                                   | 5000 ft. Reel |
| 1/4 EHS-A-7W-5000-R-NSP        | <b>98318157</b> | Extra High Strength | 6,650 lb        | 0.04               | 0.080 in.             | 121                                   | 5000 ft. Reel |
| 1/4 HS-A-7W-500-C-BAT          | <b>97170776</b> | High Strength       | 4,750 lb        | 0.05               | 0.080 in.             | 121                                   | 500 ft. Coil  |
| 1/4 SM-A-7W-500-C-BAT          | <b>97114209</b> | Siemens-Martin      | 3,150 lb        | 0.08               | 0.080 in.             | 121                                   | 500 ft. Coil  |
| <b>3/8 in. Strand Diameter</b> |                 |                     |                 |                    |                       |                                       |               |
| 3/8 EHS-A-7W-250-C-BAT         | <b>97170802</b> | Extra High Strength | 15,400 lb       | 0.04               | 0.120 in.             | 273                                   | 250 ft. Coil  |
| 3/8 EHS-A-7W-500-C-BAT         | <b>97170804</b> | Extra High Strength | 15,400 lb       | 0.04               | 0.120 in.             | 273                                   | 500 ft. Coil  |
| 3/8 EHS-A-7W-5000-R-BAT        | <b>96080059</b> | Extra High Strength | 15,400 lb       | 0.04               | 0.120 in.             | 273                                   | 5000 ft. Reel |
| 3/8 EHS-A-7W-5000-R-NSP        | <b>22085998</b> | Extra High Strength | 15,400 lb       | 0.04               | 0.120 in.             | 273                                   | 5000 ft. Reel |
| 3/8 HS-A-7W-250-C-BAT          | <b>97114211</b> | High Strength       | 10,800 lb       | 0.05               | 0.120 in.             | 273                                   | 250 ft. Coil  |
| 3/8 HS-A-7W-500-C-BAT          | <b>97170801</b> | High Strength       | 10,800 lb       | 0.05               | 0.120 in.             | 273                                   | 500 ft. Coil  |
| 3/8 SM-A-7W-250-C-BAT          | <b>97170788</b> | Siemens-Martin      | 6,950 lb        | 0.08               | 0.120 in.             | 273                                   | 250 ft. Coil  |
| 3/8 SM-A-7W-500-C-BAT          | <b>97170789</b> | Siemens-Martin      | 6,950 lb        | 0.08               | 0.120 in.             | 273                                   | 500 ft. Coil  |
| 3/8 UTL-A-7W-2500-R-BAT        | <b>97252805</b> | Utilities*          | 11,500 lb       | 0.04               | 0.120 in.             | 273                                   | 2500 ft. Reel |
| 3/8 UTL-A-7W-2500-R-NSP        | <b>22085996</b> | Utilities*          | 11,500 lb       | 0.04               | 0.120 in.             | 273                                   | 2500 ft. Reel |
| 3/8 UTL-A-7W-5000-R-BAT        | <b>96080060</b> | Utilities*          | 11,500 lb       | 0.04               | 0.120 in.             | 273                                   | 5000 ft. Reel |
| 3/8 UTL-A-7W-5000-R-NSP        | <b>22085997</b> | Utilities*          | 11,500 lb       | 0.04               | 0.120 in.             | 273                                   | 5000 ft. Reel |
| <b>1/2 in. Strand Diameter</b> |                 |                     |                 |                    |                       |                                       |               |
| 1/2 EHS-A-7W-250-C-BAT         | <b>97170867</b> | Extra High Strength | 26,900 lb       | 0.04               | 0.165 in.             | 517                                   | 250 ft. Coil  |
| 1/2 EHS-A-7W-500-C-BAT         | <b>97170868</b> | Extra High Strength | 26,900 lb       | 0.04               | 0.165 in.             | 517                                   | 500 ft. Coil  |
| 1/2 EHS-A-7W-2500-R-BAT        | <b>97170869</b> | Extra High Strength | 26,900 lb       | 0.04               | 0.165 in.             | 517                                   | 2500 ft. Reel |

**Note:** Other Sizes Available Upon Request

\* Also Referred to As Specification Grade

† Mfg. No. suffix denotes service: BAT=Bekaert Corporation NSP=National Strand

### Overhead Line Splices, Automatic - Aluminum

Fargo® Manufacturing

These Automatic Overhead Line Splices are the fastest method of splicing aluminum, aluminum alloy and ACSR conductor. Inhibitor protected for optimum long term performance, and they have color-coded end funnel guides for easy identification. Aluminum with high strength aluminum alloy shell and aluminum alloy jaw.



| Mfg. No. | Advanced ID | Color Code | Conductor Diameter | Conductor Size          | Length  | Outer Diameter |
|----------|-------------|------------|--------------------|-------------------------|---------|----------------|
| GL-402A  | 97215560    | Orange     | 0.225-0.25 in.     | AAC/AAAC/ACSR #4        | 10 in.  | 0.89 in.       |
| GL-4042A | 97118789    | Red-Orange | 0.22-0.32 in.      | AAC/AAAC/ACSR #4-#2     | 12 in.  | 1.00 in.       |
| GL-406A  | 97118790    | Yellow     | 0.355-0.40 in.     | AAC/AAAC/ACSR 1/0       | 12 in.  | 1.10 in.       |
| GL-407   | 97112846    | Gray       | 0.40-0.47 in.      | AAC/AAAC/ACSR 2/0       | 18 in.  | 1.40 in.       |
| GL-408   | 97105828    | Black      | 0.45-0.53 in.      | AAC/AAAC/ACSR 3/0       | 20 in.  | 1.60 in.       |
| GL-409A  | 97112831    | Pink       | 0.505-0.595 in.    | AAC/AAAC/ACSR 4/0       | 17 in.  | 1.60 in.       |
| GL-1195A | 97112832    | Natural    | 0.417-0.532 in.    | AAC 3/0 or AAAC 2/0-3/0 | 9.8 in. | 1.20 in.       |
| GL-1205A | 98333897    | Natural    | 0.518-0.595 in.    | AAC 266.8 mcm           | 9 in.   | 1.20 in.       |

### Overhead Line Splices, Automatic - Copper

Fargo® Manufacturing

These Automatic Overhead Line Splices are the fastest method of splicing copper and copperweld conductor. Inhibitor protected for optimum long term performance, and individually bagged to seal out dirt before use. Copper with drawn copper tube shell and bronze alloy jaw.



| Mfg. No. | Advanced ID | Color Code | Conductor Diameter | Conductor Size                              | Length  | Outer Diameter |
|----------|-------------|------------|--------------------|---|---------|----------------|
| GL-110   | 97215561    | None       | 0.12-0.13 in.      | CU #8 Solid                                 | 3.4 in. | 0.50 in.       |
| GL-111   | 97215562    | None       | 0.16-0.17 in.      | CU #6 Solid or Copperweld 3 #12             | 3.4 in. | 0.50 in.       |
| GL-112   | 93196246    | None       | 0.19-0.20 in.      | CU #4 Solid or Copperweld #8A               | 3.5 in. | 0.56 in.       |
| GL-113   | 97112834    | None       | 0.22-0.23 in.      | CU #3 Solid, cu #4 str. or Copperweld #6A   | 3.5 in. | 0.56 in.       |
| GL-114   | 97118264    | None       | 0.25-0.26 in.      | CU #2 Solid, cu #3 str. or Copperweld #5A   | 4.4 in. | 0.75 in.       |
| GL-115   | 97118262    | None       | 0.28-0.29 in.      | CU #1 Solid, cu #2 str. or Copperweld #4A   | 4.4 in. | 0.75 in.       |
| GL-116   | 97215549    | None       | 0.32-0.33 in.      | CU 1/0 Solid, cu #1 str. or Copperweld #3A  | 4.4 in. | 0.75 in.       |
| GL-117   | 93196245    | None       | 0.36-0.37 in.      | CU 2/0 Solid, cu 1/0 str. or Copperweld #2A | 5.5 in. | 0.94 in.       |
| GL-118   | 97118791    | None       | 0.40-0.41 in.      | CU 3/0 Solid or Copper 2/0 str.             | 5.5 in. | 0.94 in.       |
| GL-119   | 97112835    | None       | 0.45-0.46 in.      | CU 4/0 Solid or Copper 3/0 str.             | 6.9 in. | 1.20 in.       |
| GL-120   | 97112836    | None       | 0.52-0.53 in.      | CU 4/0 str.                                 | 6.9 in. | 1.20 in.       |

### Porcelain Wire Holder

Arlington Industries, Inc.

With solid rivet through head.

#### Features

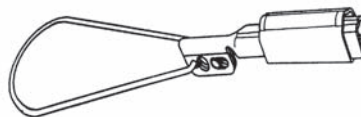
- Porcelain and Galvanized Steel
- 2 1/4 in. Lag Size



| Mfg. No. | Advanced ID | Description                                       |
|----------|-------------|---|
| 616      | 92106132    | Conduit, Service Entrance, Wire-Holder, Porcelain |

## Type W Service Wedge Clamp

Blackburn®



For dead-ending self-supporting drop wire.

### Benefits

- Saves Conductor - Drop Wire May Be Cut to Exact Length
- Can Be Attached to Bare Neutral At Any Point In the Span
- Adjustments In Drop Wire Sag Are Easily Made
- Grips ACSR, AAAC or Aluminum Conductor

| Mfg. No. | Advanced ID     | Tension Rating  | Dimensions | Conductor Range |
|----------|-----------------|-----------------|------------|-----------------|
| W20-1    | <b>88034779</b> | 1800 lb Typical | 12½ in. L  | 1/0 - 4 ACSR    |
| W40-1    | <b>88034783</b> | 1900 lb Typical | 12¾ in. L  | 4/0 - 2/0 ACSR  |
| W62-1    | <b>88034786</b> | 1200 lb Typical | 12 in. L   | 2 - 6 ACSR      |

## HYLINK™

FCI Burndy®

HYLINK™ is a high voltage uninsulated aluminum compression splice. For use on all combinations of aluminum to aluminum, aluminum to copper, and copper to copper conductor combinations.

### Benefits

- Oxhide Inhibitor
- Provides Easy Wire Size and Die Code Identification
- Durable Long Lasting Corrosion Resistance

### Features

- Pre-Filled with PENETROX™ Joint Compound
- Color Coded
- Electro-Tin Plated



| Mfg. No. | Advanced ID     | Die Code | Conductor Size | Color Code |
|----------|-----------------|----------|----------------|------------|
| YS6CA1   | <b>88049191</b> | 346      | #6             | Gray       |
| YS4CA1   | <b>88049186</b> | 375      | #4             | Green      |
| YS2CA1   | <b>88049150</b> | 348      | #2             | Pink       |
| YS1CA1   | <b>88049118</b> | 471      | #1             | Gold       |
| YS25A1   | <b>88049122</b> | 296      | 1/0            | Tan        |
| YS26A1   | <b>88049129</b> | 297      | 2/0            | Olive      |
| YS27A1   | <b>88049135</b> | 467      | 3/0            | Ruby       |
| YS28A1   | <b>88049139</b> | 298      | 4/0            | White      |
| YS29A1   | <b>88049146</b> | 324      | 250            | Red        |
| YS30A1   | <b>88049154</b> | 470      | 300            | Blue       |
| YS31A1   | <b>88049157</b> | 299      | 350            | Brown      |
| YS32A1   | <b>88049161</b> | 472      | 400            | Green      |
| YS34A1   | <b>88049164</b> | 300      | 500            | Pink       |
| YS36A1   | <b>88049169</b> | 473      | 600            | Black      |
| YS39A1   | <b>88049172</b> | 936      | 750            | Yellow     |
| YS44A1   | <b>88049180</b> | 301      | 1000           | Red        |

### INSULINK™

FCI Burndy®

INSULINK is a service entrance sleeve for insulated combinations of copper, aluminum, ACSR compressed. For use in overhead distribution applications. Electro-tin plated.

#### Features

- Pre-Filled with PENETROX™ Joint Compound
- Color Coded



| Mfg. No. | Advanced ID     | Die Code | Conductor Size  | Color Code |
|----------|-----------------|----------|---|------------|
| ES2R2R   | <b>88047300</b> | BG       | Side A: Conductor Type Aluminum/Copper range 2 stranded to 1 stranded. Side B: Size 2 stranded to 1 stranded.   | Red        |
| ES2R2W   | <b>88047301</b> | BG       | Side A: Conductor Type Aluminum/Copper range 2 stranded to 1 stranded. Side B: Size 2 stranded to 1 stranded.   | Orange     |
| ES2W2W   | <b>88047305</b> | BG       | Side A: Conductor Type Aluminum/Copper range 2 solid to 3 stranded. Side B: Size 2 solid to 3 stranded.         | Orange     |
| ES4W4W   | <b>88047309</b> | BG       | Side A: Conductor Type Aluminum/Copper range 4 solid to 5 stranded. Side B: Size 4 solid to 5 stranded.         | Blue       |
| ES25R2R  | <b>88047296</b> | BG       | Side A: Conductor Type Aluminum/Copper range 1/0 stranded to 2 stranded. Side B: Size 2 stranded to 1 stranded. | Red        |
| ES25R2W  | <b>88047297</b> | BG       | Side A: Conductor Type Aluminum/Copper range 1/0 stranded to 2 stranded. Side B: Size 2 solid to 3 stranded.    | Orange     |

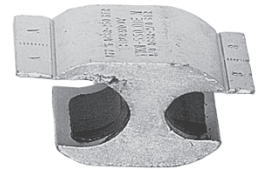
### HY-CRIMP™

FCI Burndy®

H-Shaped line tap for copper, aluminum or ACSR and compact conductors.

#### Benefits

- Bendable Tabs Secure Both Run and Tap Conductors Freeing the Linemans Hands to Work with the Installation Tool
- Massive Aluminum Design Minimizes Corrosion Due to Galvanic Corrosion
- Prefilled with PENETROX™ Joint Compound and Individually Packaged
- Conductor Ranges and Tooling Clearly Printed on Connector and Package

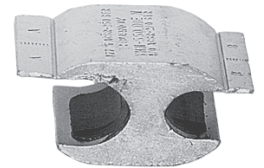


| Mfg. No. | Advanced ID     | Die Code | Main Conductor Size (in.) | Tap Conductor Size (in.) |
|----------|-----------------|----------|---------------------------|--------------------------|
| YHO-100  | <b>88049058</b> | 0        | 0.162 to 0.332 O.D.       | 0.162 to 0.332 O.D.      |
| YHO-150  | <b>88049060</b> | 0        | 0.260 to 0.419 O.D.       | 0.162 to 0.332 O.D.      |
| YHD-200  | <b>88049048</b> | D3       | 0.398 to 0.470 O.D.       | 0.162 to 0.332 O.D.      |
| YHD-250  | <b>88049049</b> | D3       | 0.336 to 0.470 O.D.       | 0.336 to 0.470 O.D.      |
| YHD-300  | <b>88049050</b> | D3       | 0.475 to 0.563 O.D.       | 0.162 to 0.332 O.D.      |
| YHD-350  | <b>88049051</b> | D3       | 0.461 to 0.563 O.D.       | 0.336 to 0.470 O.D.      |
| YHD-400  | <b>88049052</b> | D3       | 0.461 to 0.563 O.D.       | 0.461 to 0.563 O.D.      |

### LOKTAP™

FCI Burndy®

H-Shaped Line Tap LOKTAP compression connectors are high quality, range-taking devices which accommodate combinations of aluminum to copper and aluminum to aluminum conductors.



| Mfg. No. | Advanced ID     | Die Code | Main Conductor Size (in.) | Tap Conductor Size (in.) |
|----------|-----------------|----------|---------------------------|--------------------------|
| YHO-1    | <b>91032381</b> | 0        | 0.162 to 0.332 O.D.       | 0.162 to 0.332 O.D.      |
| YHO-2    | <b>91032382</b> | 0        | 0.260 to 0.419 O.D.       | 0.162 to 0.332 O.D.      |
| YHD-3    | <b>91032376</b> | D3       | 0.398 to 0.470 O.D.       | 0.162 to 0.332 O.D.      |
| YHD-4    | <b>91032377</b> | D3       | 0.336 to 0.470 O.D.       | 0.336 to 0.470 O.D.      |
| YHD-5    | <b>91032378</b> | D3       | 0.475 to 0.563 O.D.       | 0.162 to 0.332 O.D.      |
| YHD-6    | <b>91032379</b> | D3       | 0.461 to 0.563 O.D.       | 0.336 to 0.470 O.D.      |
| YHD-7    | <b>91032380</b> | D3       | 0.461 to 0.563 O.D.       | 0.461 to 0.563 O.D.      |



## Oil Filled Transformers

### Cooper Power Systems

Cooper's FM Approved code listed transformers are the industry's first "Listed and Labeled" liquid-filled transformers. They provide state-of-the-art fire protection while making it easy to comply and verify compliance with the National Electric Code® (NEC®) for both indoor and outdoor locations.

FM Approved and code listed transformers are available as three-phase pad-mounted units, with ratings from 75-10,000 kVA and voltage ratings up to 46 kV, and substation units with ratings from 500-10,000 kVA and voltage ratings up to 46 kV. These transformers can be filled with either R-Temp® or Envirotemp FR3 fire-resistant dielectric coolant.



## Single-Phase Distribution Transformers

### Cooper Power Systems



Cooper Power Systems manufactures a complete line of single-phase overhead-type and pad-mounted distribution transformers. Single-phase transformers are available as conventional and protected, in a variety of ratings and meet or exceed the requirements of applicable ANSI® and NEMA® standards. Units designed per Rural Utilities Service (RUS) standards are also available.

## Substation Transformers

### Cooper Power

Primary or secondary unit or open substation transformers. The unit substation transformer is designed for commercial and industrial applications to convert distribution voltages to utilization voltages. They are constructed to interconnect easily with both primary and secondary switchgear. They can be used in outdoor or indoor (when filled with Envirotemp®FR3™fluid) load center substations.



The Substation VFI Transformer is designed for commercial or industrial applications where conventional transformer protection is inadequate or where space limitations are restrictive. The compact design reduces real estate requirements and makes installation simpler and more economical.

### Features

- Three-Phase, 50 or 60 Hz, 65° (55°C/65°C Optional)
- Mineral Oil or Envirotemp FR3 Fluid
- 500-10,000 kVA
- Delta or Wye Connected 2,400-43,800 V
- Secondary 208Y/120 V to 14,400 V
- Factory Mutual Approved Transformer to Meet NEC 450-23
- UL Listed Transformer or with UL Classified Envirotemp FR3 Fluid to Meet NEC 450-23
- 75°C Rise FR3 Fluid-Filled used to Reduce Overall Cost or Increase Overload Capacity

## Three-Phase Pad-Mounted Compartmental Transformers Including Envirotran Transformers & VFI Transformers

### Cooper Power Systems

Three-phase, pad-mounted transformers may be compact power centers for industrial or commercial installations. With proper design selection, they may be located near or inside buildings for greater flexibility and savings. These transformers are designed to meet or exceed all applicable ANSI, NEMA, and IEEE standards.



### Features

- Ratings From 45 to 10,000 kVA with Primary Voltage Ratings from 2400V to 46,000V; Available with Primary Dual Voltage Ratings
- Radial or Loop Feed Configurations with Dead or Live Front Terminations
- Secondary Voltages From 208V to 13,800V
- Filled with Envirotemp FR3 Fluid or Standard Electrical Grade Mineral Insulating Oil
- Optional Accessories Should Include Primary On-Off Load-Break Switching or Four-Position Sectionalizing Switching; Primary Expulsion Bay-O-Net & ELSP Backup Current-Limiting Fusing or Vacuum Fault Interrupter (VFI); and Primary Under-Oil or Externally Mounted M.O.V.E. Surge Arrester Protection

### Kyle® Type VFI Vacuum Fault Interrupter

#### Cooper Power Systems

Kyle Type VFI Vacuum Fault Interrupter pad-mounted switchgear provides superior overcurrent protection with proven, reliable Kyle vacuum interrupters-instead of fuses. The resettable VFI breaker mechanism allows immediate service restoration, eliminating the added downtime and expense associated with replacing conventional fuses.

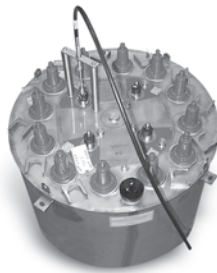


VFI oil or SF insulated switchgear can be used for both utility and commercial/industrial applications, and can be easily coordinated using field-selectable settings to meet distribution system requirements.

### VACpac® Switchgear

#### Cooper Power Systems

Cooper Power Systems VACpac Switchgear may be used to switch load, loop, capacitor, cable charging and magnetizing currents. Vacuum bottle interrupters in SF insulating gas and extremely high duty cycle makes the VACpac ideally suited for automated applications that require a large number of switching operations.



### Pad-Mounted Modular Substations

#### Cooper Power Systems

Cooper Power Systems provides pad-mounted modular substations, the most flexible, cost-effective, customized solution for sites with limited time and manpower. Rigid manufacturing processes and standards enable Cooper to provide a full line of components and equipment that are pre-assembled, pre-wired and tested before being securely shipped anywhere in the world.



### Faulted Circuit Indicators

#### Cooper Power Systems

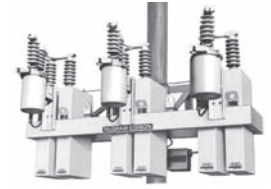
Cooper Power Systems offers a wide variety of faulted circuit indicators (FCIs) ranging from basic circuitry models in the Delayed Reset style to the more sophisticated circuitry of the test point reset and electrostatic reset types. The Cooper Power Systems S.T.A.R. Faulted Circuit Indicator product line offers six basic types of FCIs and each unit is tailored to be the most reliable for the intended application. Each type varies by reset method and the type of system it connects to. The S.T.A.R. product line also includes several faulted circuit indicators with pathfinder variable trip technology for one-size fits all application.



### Power Capacitors

#### Cooper Power Systems

Cooper Power Systems produces high-voltage power capacitors for worldwide utility and industrial applications, for system voltages from 2.4 kV through EHV. Cooper produces capacitor subsystems for shunt, series, HVDC, SVC, and filtering applications throughout the world. The Type EX-7L capacitor and the Type EX-D capacitor are the most technologically advanced capacitors available today.

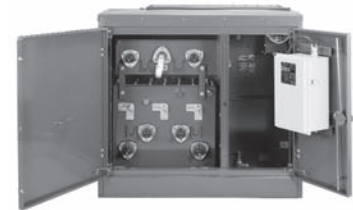


### Voltage Regulators

#### Cooper Power Systems



Step Voltage Regulator



Pad Mount Regulator

The thirty-two step voltage regulator accurately regulates voltage in  $\frac{5}{8}\%$  steps from 10% raise to 10% lower on distribution circuits rated 2400 volts (60 kV BIL) through 34,500 volts (200 kV BIL) for either 50 or 60 hertz systems.

CL-6A Series Regulator Control features include built-in metering, voltage limiting, voltage reduction, reverse power flow detection and operation, the most flexible resident digital communications capability, time-tagged demand metering, profile recorder, tap position tracking, and source voltage calculation without an additional potential transformer. The CL-6A even has built in diagnostics and duty cycle monitor features, which allow you to monitor contact wear to accurately predict and schedule maintenance. The Preventive Maintenance Tapping (PMT™) feature and the Quick-Drive Tap-Changer further extend contact life.

### Form 6 Recloser Controls

#### Cooper Power Systems

The innovative and industry-leading Form 6 recloser controls is designed for rapid user customization, full protection and metering, all under the automation umbrella. The Form 6 Recloser Control uses a powerful, yet flexible, platform design to provide maximum protective functionality, standardized hardware design, and simple interactive graphical interfaces.



## The Kyle Type NOVA

Cooper Power Systems

The Kyle Type NOVA recloser is a three-phase, vacuum-interrupting recloser designed for three-phase electrical distribution systems through 34.5 kV. The NOVA recloser is designed and tested as a complete system with a Cooper Power System control to assure reliable performance throughout its lifetime and compatibility with future updates.



The NOVA recloser is available with maximum voltage ratings of 15 kV, 27 kV, and 38 kV. The rated continuous current is 630A. An 800A accessory is also available. Different configuration options are available to suit your application.

## Edison® Idea™ Relays

Cooper Power Systems

Cooper Power Systems' Edison Idea relay platform was developed specifically to give power systems professionals the ultimate in protection, control and communication flexibility. The Idea offers both the physical and technical longevity required for today's world of ever-changing requirements.



## Cable Guards and Straps

Chance®



Guard Strap



Cable Guard

Protect telephone and power lines where circuits lead from underground to overhead. Guards are 14-gauge hot dip galvanized steel, formed into "U" shape. Straps are made from hot dip galvanized flat steel, shaped to fit the guards.

| Mfg. No.                           | Advanced ID              | Description   |
|------------------------------------|--------------------------|---|
| <b>Cable Guards</b>                |                          |   |
| 6531                               | <a href="#">88056272</a> | Length 5 ft., Inside Diameter 1 <sup>1</sup> / <sub>8</sub> in.   |
| 6531-1/2                           | <a href="#">88056273</a> | Length 8 ft., Inside Diameter 1 <sup>1</sup> / <sub>8</sub> in.   |
| 6532                               | <a href="#">88056274</a> | Length 5 ft., Inside Diameter 2 <sup>3</sup> / <sub>16</sub> in.  |
| 6533                               | <a href="#">88056275</a> | Length 8 ft., Inside Diameter 2 <sup>3</sup> / <sub>16</sub> in.  |
| 6534T                              | <a href="#">88056276</a> | Length 5 ft., Inside Diameter 3 <sup>3</sup> / <sub>16</sub> in.  |
| 6535                               | <a href="#">88056277</a> | Length 8 ft., Inside Diameter 3 <sup>3</sup> / <sub>16</sub> in.  |
| C203-0451                          | <a href="#">98402613</a> | Length 8 ft., Inside Diameter 3 <sup>11</sup> / <sub>16</sub> in.   |
| <b>Cable Guard Mounting Straps</b> |                          |   |
| 6538                               | <a href="#">88056278</a> | For Cable Guard Nos. 6531 and 6531 <sup>1</sup> / <sub>2</sub> , Steel Size 1 <sup>1</sup> / <sub>8</sub> x 3 <sup>3</sup> / <sub>4</sub> in., Hole Dia. <sup>9</sup> / <sub>32</sub> in. |
| 6539                               | <a href="#">88056279</a> | For Cable Guard Nos. 6532 and 6533, Steel Size 1 <sup>1</sup> / <sub>8</sub> x 3 <sup>3</sup> / <sub>4</sub> in., Hole Dia. <sup>9</sup> / <sub>32</sub> in.                              |
| 6540                               | <a href="#">88056280</a> | For Cable Guard Nos. 6534T and 6535, Steel Size 3 <sup>3</sup> / <sub>16</sub> x 1 in., Hole Dia. <sup>11</sup> / <sub>32</sub> in.   |
| C203-0456                          | <a href="#">98402614</a> | For Cable Guard No. C203-0451, Steel Size 3 <sup>3</sup> / <sub>16</sub> x 1 in., Hole Dia. <sup>11</sup> / <sub>32</sub> in.   |

## Line Hose Conventional Style

Salisbury



OR125-45C



ORC100



OR150-45C

Conventional Style Line Hose is available in orange Type II SALCOR®. SALCOR® remains flexible even in cold weather and it is not damaged by ozone or ultraviolet rays. Each system has Salisbury's RIB-GRIP Locking System. The straight or connector end style is available in three sizes: 1 and 1.25 in. I.D. rated at 20 kV, Class 2 and 1.5 in. I.D. rated at 30kV, Class 3. Straight style SALCOR® hose is also available in 2 and 2.5 in. I.D. rated at Class 3.

Conventional Line Hose Connectors are made from Type II orange SALCOR® and can be used on 1, 1.25 or 1.5 in. I.D. conventional line hose.

| Mfg. No.                       | Advanced ID              | Class | I.D.     | Length  |
|--------------------------------|--------------------------|-------|----------|---------|
| <b>Straight Line Hose</b>      |                          |       |          |         |
| OR100-45                       | <a href="#">88232245</a> | 2     | 1 in.    | 4.5 ft. |
| OR100-6                        | <a href="#">88232247</a> | 2     | 1 in.    | 6 ft.   |
| OR125-6                        | <a href="#">88232253</a> | 2     | 1.25 in. | 6 ft.   |
| OR150-45                       | <a href="#">88232257</a> | 3     | 1.5 in.  | 4.5 ft. |
| OR150-6                        | <a href="#">88232259</a> | 3     | 1.5 in.  | 6 ft.   |
| <b>Connector End Line Hose</b> |                          |       |          |         |
| OR100-45C                      | <a href="#">88232246</a> | 2     | 1 in.    | 4.5 ft. |
| OR100-6C                       | <a href="#">88232248</a> | 2     | 1 in.    | 6 ft.   |
| OR125-45C                      | <a href="#">88232252</a> | 2     | 1.25 in. | 4.5 ft. |
| OR125-6C                       | <a href="#">88232254</a> | 2     | 1.25 in. | 6 ft.   |
| OR150-45C                      | <a href="#">88232258</a> | 3     | 1.5 in.  | 4.5 ft. |
| OR150-6C                       | <a href="#">88232260</a> | 3     | 1.5 in.  | 6 ft.   |
| <b>Line Hose Connectors</b>    |                          |       |          |         |
| ORC100                         | <a href="#">88232267</a> | 2     | 1 in.    | 12 in.  |
| ORC150                         | <a href="#">88232269</a> | 3     | 1.5 in.  | 12 in.  |

### Line Hose Extended Lip SU System

Salisbury



SU150-45



SU150-3C

The Extended Lip SU System is the only complete flexible cover-up available for use on voltages through 34.5 kV. It may be installed by hand, wearing rubber insulating gloves, from an insulated aerial device or platform, or with hot sticks using the SU applicators.

Manufactured from superior orange SALCOR Type II elastomer, it is resistant to the effects of ozone and ultraviolet deterioration. It remains flexible even at sub-zero temperatures.

Salisbury's RIB-GRIP construction securely interlocks with its corresponding covers and connectors. Tapered lips facilitate easy starting on the conductors. The contour cut ends accommodate the skirts of pin type insulators and permit the hose to cover the line snug to a saddle or clamp.

| Mfg. No.                       | Advanced ID     | Class | I.D.    | Length  |
|--------------------------------|-----------------|-------|---------|---------|
| <b>Straight Line Hose</b>      |                 |       |         |         |
| SU150-3                        | <b>88232308</b> | 4     | 1.5 in. | 3 ft.   |
| SU150-45                       | <b>88232310</b> | 4     | 1.5 in. | 4.5 ft. |
| SU150-6                        | <b>88232313</b> | 4     | 1.5 in. | 6 ft.   |
| <b>Connector End Line Hose</b> |                 |       |         |         |
| SU150-3C                       | <b>88232309</b> | 4     | 1.5 in. | 3 ft.   |
| SU150-45C                      | <b>88232312</b> | 4     | 1.5 in. | 4.5 ft. |
| SU150-6C                       | <b>88232314</b> | 4     | 1.5 in. | 6 ft.   |

Advanced provides electrical and communication products to Government Agencies under GSA schedules #GS-07F-9462G and #GS-35F-0374M.

### Grounding Clamps

Kearney / Cooper Power Systems



3668-100



3673-100

Cooper Power Systems offers a wide variety of grounding clamps in various styles and sizes for different applications. Because of the diversity of products, users are assured of being able to select the exact clamp for the application. Grounding sets can be supplied assembled to your specifications.

#### Features

- Aluminum or Bronze Construction - for the Best Conductivity Regardless of Conductor Material
- A Variety of Sizes to Fit Any Job
- Resists Burring and Stripping - Brass Eye Screws have Acme Threads
- Superior Strain Relief - Via Stainless Steel Cable Clamps
- Identification Ease - Wire Range and Catalog Number are Clearly Marked on Each Clamp

| Mfg. No. | Advanced ID     | Description                                | Grade | Thread Type |
|----------|-----------------|--|-------|-------------|
| 3668-100 | <b>25011899</b> | Bronze Ground "C" Clamp, 1 in. max.        | 4     | Fine        |
| 3673-100 | <b>25011900</b> | Alum Ground Flat Face Clamp, 1.50 in. max. | 4     | Fine        |

### Grounding Clamps

Salisbury



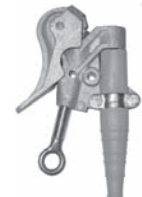
2937



1895



4282



21030

Salisbury clamps are offered in either bronze or aluminum alloys and are manufactured to meet the current specifications of ASTM F855. All clamps are tapped to accept a 5/8-11 UNC threaded stud.

| Mfg. No.   | Advanced ID     | Description                  | Grade | Thread Type |
|--|-----------------|------------------------------|-------|-------------|
| <b>"C" TYPE</b>                                    |                 |                              |       |             |
| <b>477 MCM Bronze Smooth w/ Curved Lower Jaw</b>   |                 |                              |       |             |
| 4260   | <b>99844296</b> | Eye w/ Strain Relief Sleeve  | 5     | "V" Thread  |
| <b>1 in. Bronze Smooth Jaw</b>                     |                 |                              |       |             |
| 2937   | <b>89086208</b> | Eye w/o Strain Relief Sleeve | 5     | Acme Thread |
| <b>1.5 in. Aluminum Serrated w/ Flat Lower Jaw</b> |                 |                              |       |             |
| 1895   | <b>88231860</b> | Eye w/ Strain Relief Sleeve  | 5     | Acme Thread |
| 2195   | <b>88231975</b> | Eye w/o Strain Relief Sleeve | 5     | Acme Thread |
| <b>3.5 in Aluminum For Substation Buses</b>        |                 |                              |       |             |
| 4282   | <b>99844302</b> | Eye w/ Strain Relief Sleeve  | 5     | Acme Thread |
| <b>DUCK BILL TYPE</b>                              |                 |                              |       |             |
| <b>1.1 in. Aluminum Smooth Spring Loaded Jaw</b>   |                 |                              |       |             |
| 21030  | <b>94003507</b> | Eye w/ Strain Relief Sleeve  | 5     | "V" Thread  |



## Jumper Clamps

Kearney / Cooper Power Systems

A jumper clamp provides a temporary connection between lines of like potential when necessary to bypass construction, maintenance or equipment repair areas. It is used in two ways - in pairs joined by appropriately sized cable to provide temporary jumpering or in conjunction with a load pickup clamp to jumper between energized and nonenergized circuits.

### Features

- Arc Resistance
- Fast, Positive Load Make
- Easy Inspection
- Secure Connection



| Mfg. No.      | Advanced ID              | Description  | Main Line Range                                | Max. Amps |
|---------------|--------------------------|--|--|-----------|
| LP-15-10-10FT | <a href="#">25011895</a> | 15kV Load Pickup Clamp Jumper Assy., 10 ft., 1/0 cable | 6 Sol. - 800 kcmil str. Or 795 kcmil 26/7 ACSR | 300A      |
| LP-15-20-10FT | <a href="#">25011896</a> | 15kV Load Pickup Clamp Jumper Assy., 10 ft., 2/0 cable | 6 Sol. - 800 kcmil str. Or 795 kcmil 26/7 ACSR | 300A      |

## Ball & Socket System

Salisbury



21190



21191 and 21192



24082



21228



24087



21236

The Ball and Socket Grounding System allows for variable angle accessibility. This system is compact and lightweight. There are fixed grounding points on the socket clamp. Made from bronze alloy, has a socket size of 1 in. and a threaded bore boss of  $\frac{5}{8}$  in. - 11 UNC. The socket clamp has an integral cable support with strain relief sleeve.

The Ball Stud, long and short, and the Offset NEMA Pad Ball Stud are made from a copper alloy, tin-plated. They each have a 1 in. diameter ball.

The Ball Stud Cover, made from orange SALCOR®, allows for multiple angle application when installed using a clamp stick.

| Mfg. No.          | Advanced ID              | Description                            | Dimensions     |
|-------------------|--------------------------|--|----------------|
| 21190             | <a href="#">99510980</a> | Socket Clamp with strain relief sleeve | -              |
| <b>Ball Studs</b> |                          |  |                |
| 21191             | <a href="#">95044713</a> | Ball Stud Short                        | 4.38 in.       |
| 21192             | <a href="#">95044714</a> | Ball Stud Long                         | 6.13 in.       |
| 24082             | <a href="#">99844349</a> | Internal Thread Ball Stud              | 4 in.          |
| 21228             | <a href="#">95044715</a> | Offset NEMA Pad Short                  | 5.13 x 1.5 in. |
| 24087             | <a href="#">99844350</a> | Offset NEMA Pad Long                   | 7 x 1.5 in.    |
| 21236             | <a href="#">96001211</a> | Cover for Ball Stud                    | -              |

### Switchboard Matting

Salisbury



Switchboard Matting is permanently placed in front of switchgear, motor control centers and other high voltage apparatus to provide personal protection for workers. It is also used when tending take-up and pay out reels and when adding or replacing conductors. Made from high quality Type II rubber, 1/4 in. thick and tested to 20 kV to comply with ASTM D178, Class 2 and Class 4 specifications. The corrugated surface acts as a safety tread while reducing the possibility of metal particles becoming embedded. Class 2 switchboard matting is made in 25 yard rolls. Maximum Use Voltage Class 2, 17,000 volts, Class 4, 36,000 volts.

| Mfg. No. | Advanced ID              | Description                  | Weight    | Dimensions   |
|----------|--------------------------|------------------------------|-----------|--------------|
| M24-2    | <a href="#">88232228</a> | Switchboard Matting, Class 2 | 9 lb/yd.  | 1/4 x 24 in. |
| M30-2    | <a href="#">88232229</a> | Switchboard Matting, Class 2 | 12 lb/yd. | 1/4 x 30 in. |
| M36-2    | <a href="#">94009438</a> | Switchboard Matting, Class 2 | 15 lb/yd. | 1/4 x 36 in. |
| M48-2    | <a href="#">99844865</a> | Switchboard Matting, Class 2 | 18 lb/yd. | 1/4 x 48 in. |

### Pole Guards

Salisbury



Pole Guards feature the unique Air Gap design. Uniformly spaced dimples minimize the amount of surface area contacting the pole. This provides added insulation to keep electrical leakage to a minimum. When two pole guards are used to cover longer lengths, the Air Gap dimples nest together "locking" the two together with ample overlap. The Air Gap design also allows for airflow between it and the pole, minimizing moisture condensation and contamination buildup.

| Mfg. No.                       | Advanced ID              | Length | Diameter |
|--------------------------------|--------------------------|--------|----------|
| <b>9 in. Drilled, Class 4</b>  |                          |        |          |
| 1357                           | <a href="#">88231771</a> | 4 ft.  | 9 in.    |
| 2496                           | <a href="#">88232025</a> | 6 ft.  | 9 in.    |
| <b>12 in. Drilled, Class 4</b> |                          |        |          |
| 2464                           | <a href="#">88232017</a> | 4 ft.  | 12 in.   |
| 2466                           | <a href="#">88232018</a> | 6 ft.  | 12 in.   |

### Linemen's Gloves, High Voltage

Salisbury



Straight Cuff

Class 1 through 4 gloves are available in the industry standard color black, or in contrasting two-color combinations. The contrast between the thin outer color against the inner color makes inspecting for cuts and tears easier when the glove is inflated or stretched. To determine glove size, measure the circumference around the palm. Allow for additional room if fabric glove liners are to be worn, especially with thermal liners.

| Mfg. No.               | Advanced ID              | Cuff Style | Color*                       | Size   |
|------------------------|--------------------------|------------|------------------------------|--------|
| <b>Class 2, 16 in.</b> |                          |            |                              |        |
| E216YB9                | <a href="#">22069709</a> | Straight   | Yellow Inside; Black Outside | 9      |
| E216YB9H               | <a href="#">22047159</a> | Straight   | Yellow Inside; Black Outside | 9 1/2  |
| E216YB10               | <a href="#">22047160</a> | Straight   | Yellow Inside; Black Outside | 10     |
| E216YB10H              | <a href="#">22047161</a> | Straight   | Yellow Inside; Black Outside | 10 1/2 |
| E216FCRB SIZE 9        | <a href="#">98415425</a> | Flare      | Red Inside; Black Outside    | 9      |
| E216FCRB SIZE 9-1/2    | <a href="#">98415434</a> | Flare      | Red Inside; Black Outside    | 9 1/2  |
| E216FCRB SIZE 10       | <a href="#">98415426</a> | Flare      | Red Inside; Black Outside    | 10     |
| E216FCRB SIZE 10-1/2   | <a href="#">98415428</a> | Flare      | Red Inside; Black Outside    | 10 1/2 |
| E216FCRB SIZE 11       | <a href="#">98415429</a> | Flare      | Red Inside; Black Outside    | 11     |
| E216FCRB SIZE 11-1/2   | <a href="#">98415430</a> | Flare      | Red Inside; Black Outside    | 11 1/2 |
| E216FCRB SIZE 12       | <a href="#">98415431</a> | Flare      | Red Inside; Black Outside    | 12     |
| <b>Class 2, 18 in.</b> |                          |            |                              |        |
| E218CB-8               | <a href="#">99682966</a> | Contour    | Black                        | 8      |
| E218CB-9               | <a href="#">99682967</a> | Contour    | Black                        | 9      |
| E218CB-9H              | <a href="#">99682968</a> | Contour    | Black                        | 9 1/2  |
| E218CB-10              | <a href="#">99682969</a> | Contour    | Black                        | 10     |
| E218CB-11              | <a href="#">99682971</a> | Contour    | Black                        | 11     |
| E218CYB-8              | <a href="#">99879991</a> | Contour    | Yellow Inside; Black Outside | 8      |
| E218CYB-8H             | <a href="#">99879993</a> | Contour    | Yellow Inside; Black Outside | 8 1/2  |
| E218CYB-9              | <a href="#">99879994</a> | Contour    | Yellow Inside; Black Outside | 9      |
| E218CYB-9H             | <a href="#">99879996</a> | Contour    | Yellow Inside; Black Outside | 9 1/2  |
| E218CYB-10             | <a href="#">99879999</a> | Contour    | Yellow Inside; Black Outside | 10     |
| E218CYB-10H            | <a href="#">99880000</a> | Contour    | Yellow Inside; Black Outside | 10 1/2 |
| E218CYB-11             | <a href="#">99880002</a> | Contour    | Yellow Inside; Black Outside | 11     |
| E218CYB-11H            | <a href="#">99880010</a> | Contour    | Yellow Inside; Black Outside | 11 1/2 |
| E218RB/9               | <a href="#">22082679</a> | Straight   | Red Inside; Black Outside    | 9      |
| E218RB/9H              | <a href="#">22082680</a> | Straight   | Red Inside; Black Outside    | 9 1/2  |
| E218RB/10              | <a href="#">22082681</a> | Straight   | Red Inside; Black Outside    | 10     |
| E218RB/10H             | <a href="#">22082682</a> | Straight   | Red Inside; Black Outside    | 10 1/2 |
| E218RB/11              | <a href="#">22082683</a> | Straight   | Red Inside; Black Outside    | 11     |
| E218RB/11H             | <a href="#">22082684</a> | Straight   | Red Inside; Black Outside    | 11 1/2 |
| <b>Class 3, 18 in.</b> |                          |            |                              |        |
| E318CYB-9              | <a href="#">99682984</a> | Contour    | Yellow Inside; Black Outside | 9      |
| E318CYB-9H             | <a href="#">99682985</a> | Contour    | Yellow Inside; Black Outside | 9 1/2  |
| E318CYB-10H            | <a href="#">99682989</a> | Contour    | Yellow Inside; Black Outside | 10 1/2 |
| E318CYB-11             | <a href="#">99682990</a> | Contour    | Yellow Inside; Black Outside | 11     |
| <b>Class 4, 18 in.</b> |                          |            |                              |        |
| E418CRB-9              | <a href="#">99682972</a> | Contour    | Red Inside; Black Outside    | 9      |
| E418CRB-9H             | <a href="#">99682973</a> | Contour    | Red Inside; Black Outside    | 9 1/2  |
| E418CRB-10             | <a href="#">99682974</a> | Contour    | Red Inside; Black Outside    | 10     |
| E418CRB-10H            | <a href="#">99682975</a> | Contour    | Red Inside; Black Outside    | 10 1/2 |
| E418CRB-11             | <a href="#">99682976</a> | Contour    | Red Inside; Black Outside    | 11     |

\*Inside Color (All gloves have black outside)



## Linemen's Gloves, Low Voltage

Salisbury



E011B

E014R

Salisbury Linemen's Gloves are available in a full range of sizes, from 8 through 12, including half sizes. Class 0 Electrical Insulating Rubber Gloves are available in red, black and yellow in Type I Natural Rubber in 11 or 14 in. lengths. These gloves are also available in blue, black/yellow and blue/orange, Type II SALCOR rubber. Extremely flexible. The gloves meet or exceed ASTM D120 and IEC 903 Standards. Proper fit is important to minimize chafing and fatigue. To determine glove size, measure the circumference around the palm. Allow for additional room if fabric glove liners are to be worn, especially with thermal liners.

| Mfg. No.                              | Advanced ID | Cuff Style | Color  | Size |
|---------------------------------------|-------------|------------|--------|------|
| <b>Class 0, 11 in. Natural Rubber</b> |             |            |        |      |
| E011B-8                               | 99880011    | Straight   | Black  | 8    |
| E011B-8H                              | 99880012    | Straight   | Black  | 8½   |
| E011B-9                               | 99880013    | Straight   | Black  | 9    |
| E011B-9H                              | 98415422    | Straight   | Black  | 9½   |
| E011B-10                              | 98415423    | Straight   | Black  | 10   |
| E011B-10H                             | 99417994    | Straight   | Black  | 10½  |
| E011B-11                              | 99880017    | Straight   | Black  | 11   |
| E011B-11H                             | 99880019    | Straight   | Black  | 11½  |
| E011B-12                              | 22014256    | Straight   | Black  | 12   |
| E011R-8                               | 99423230    | Straight   | Red    | 8    |
| E011R-8H                              | 99423232    | Straight   | Red    | 8½   |
| E011R-9                               | 99423233    | Straight   | Red    | 9    |
| E011R-9H                              | 99423235    | Straight   | Red    | 9½   |
| E011R-10                              | 99423236    | Straight   | Red    | 10   |
| E011R-10H                             | 99423237    | Straight   | Red    | 10½  |
| E011R-11                              | 99423238    | Straight   | Red    | 11   |
| E011Y-8                               | 99701086    | Straight   | Yellow | 8    |
| E011Y-9H                              | 99682980    | Straight   | Yellow | 9½   |
| E011Y-10H                             | 99682979    | Straight   | Yellow | 10½  |
| <b>Class 0, 14 in. Natural Rubber</b> |             |            |        |      |
| E014R-8                               | 99423239    | Straight   | Red    | 8    |
| E014R-8H                              | 99423240    | Straight   | Red    | 8½   |
| E014R-9                               | 99421864    | Straight   | Red    | 9    |
| E014R-9H                              | 99421865    | Straight   | Red    | 9½   |
| E014R-10                              | 99421866    | Straight   | Red    | 10   |
| E014R-10H                             | 99421867    | Straight   | Red    | 10½  |
| E014R-11                              | 99423241    | Straight   | Red    | 11   |

## Linemen's Glove Liners

Salisbury



L12MKC

L12MKW

89/1402

Liner Gloves reduce the discomfort of wearing rubber insulating gloves in all seasons. For year round use, liners provide warmth in cold weather, while they absorb perspiration in the warm months. The knit wrist style grips the wrist rather than allowing the cuff to roll down and bunch at the palm. All liners are made from stretch fabric that can fit any hand size. The LMKC Series is light, airy and allows ease of movement. The LMKW Series is made from a Rag Wool fabric that moves easily yet gives a substantial layer of lining. The 89 Series is Salisbury's classic summer and winter glove liner. Liners absorb perspiration from hands. The summer liner is white in color and 100% cotton. The winter blend is a rust color and 85% orlon and 15% nylon.

| Mfg. No. | Advanced ID | Length | Material          |
|----------|-------------|--------|-------------------|
| L12MKC   | 22068933    | 12 in. | 100% Cotton       |
| L12MKW   | 22068934    | 12 in. | Cotton Wool Blend |
| 89/1402  | 99844139    | 10 in. | 100% Cotton       |

## Premium Leather Protectors

Salisbury

Leather Protector Gloves should always be worn over rubber insulating gloves to provide the needed mechanical protection against cuts, abrasions and punctures. The 156 Premium series protectors have a palm made from specially tanned Grade A Red Boulevard buffed leather and an orange colored SALCOR® "Super Cuff" in the 4 and 6 in. cuff lengths. The "Super Cuff" has better characteristics than leather cuffs—it does not absorb water, has greater track resistance and greater surface creepage.



| Mfg. No.     | Advanced ID | Cuff Length | Overall Length | Size   |
|--------------|-------------|-------------|----------------|--------|
| 156-4-9-9H   | 88231791    | 4 in.       | 12 in.         | 9-9½   |
| 156-4-10-10H | 88231790    | 4 in.       | 12 in.         | 10-10½ |
| 156-4-11-11H | 88298284    | 4 in.       | 12 in.         | 11-11½ |
| 156-4-12     | 95027027    | 4 in.       | 12 in.         | 12     |
| 156-6-9-9H   | 22067074    | 6 in.       | 14 in.         | 9-9½   |
| 156-6-10-10H | 22067075    | 6 in.       | 14 in.         | 10-10½ |
| 156-6-11-11H | 22067076    | 6 in.       | 14 in.         | 11-11½ |
| 156-6-12     | 22067077    | 6 in.       | 14 in.         | 12     |

### SALCON® Silicone Spray

Salisbury

SALCON Silicone Spray is specially formulated to reduce friction on SALCOR or natural rubber products. Reduces surface creepage on rubber gloves and sleeves. Forms an oxygen barrier which helps reduce corona cutting and weather checking on rubber equipment. May also be used to spray spark plugs and battery terminals in damp weather to assist in starting.



| Mfg. No. | Advanced ID | Description |
|----------|-------------|-------------|
| S99      | 88232305    | Aerosol Can |

### TEN-FOUR Glove Dust

Salisbury

TEN-FOUR Glove Dust is a cooling, frictionless powder that absorbs moisture and perspiration when wearing rubber gloves. Provides extra comfort while preventing gloves from getting sticky. The 6 oz. bottle easily fits in a pocket or glove bag. The 4 qt. bulk package is used in test labs as a dusting powder when cleaning and testing.



| Mfg. No. | Advanced ID | Description                |
|----------|-------------|----------------------------|
| 10-4     | 88231733    | (12) 6 oz. Squeeze Bottles |
| 10-4-4QT | 99844860    | 4 qts. Bulk, Single        |

### Insulating Blankets, Eyelet Style

Salisbury



400E, 1900E, 900E and 13



300E

Eyelet Style Insulating Blankets were designed to be easily secured in place by using blanket pins, Snap Buttons or Ty-Straps. Salisbury Insulating Blankets, compliant with ASTM D1048 specifications, are flexible and feature a reinforced beaded edge and eyelets for added strength and tear-resistance.

| Mfg. No. | Advanced ID | ASTM Class | Color  | Material/Type  | Proof Test |             |
|----------|-------------|------------|--------|----------------|------------|-------------|
|          |             |            |        |                | Voltage    | Size        |
| 12       | 88231751    | 2          | Black  | Natural Type I | 20kV       | 22 x 22 in. |
| 13       | 88231764    | 4          | Orange | SALCOR Type II | 40kV       | 22 x 22 in. |
| 13-1     | 88231765    | 4          | Black  | SALCOR Type II | 40kV       | 22 x 22 in. |
| 13-10    | 99844028    | 4          | Orange | SALCOR Type II | 40kV       | 22 x 22 in. |
| 400E     | 88232163    | 2          | Black  | Natural Type I | 20kV       | 27 x 36 in. |
| 1000E    | 88231735    | 4          | Orange | SALCOR Type II | 40kV       | 27 x 36 in. |
| 1001E    | 88231736    | 4          | Black  | SALCOR Type II | 40kV       | 27 x 36 in. |
| 300E     | 88232150    | 2          | Black  | Natural Type I | 20kV       | 36 x 36 in. |
| 900E     | 99683017    | 4          | Orange | SALCOR Type II | 40kV       | 36 x 36 in. |
| 901E     | 88232203    | 4          | Black  | SALCOR Type II | 40kV       | 36 x 36 in. |
| 900E12   | 99844030    | 4          | Orange | SALCOR Type II | 40kV       | 36 x 36 in. |
| 1500     | 88231787    | 2          | Black  | Natural Type I | 20kV       | 36 x 36 in. |
| 1700     | 88231812    | 4          | Orange | SALCOR Type II | 40kV       | 36 x 36 in. |
| 1900E    | 88231867    | 4          | Orange | SALCOR Type II | 40kV       | 46 x 46 in. |

### Insulating Blankets, Slotted Style

Salisbury

Slotted Style Insulating Blankets are designed for increased versatility and flexibility in special cover-up situations. Use for covering ridge pins, cross arms with insulators or any place a wire, pin or projection interferes with proper placement of other cover-up devices. Three sizes are available with reinforced beaded edges and reinforced eyelets which can be secured with blanket pins, Snap Buttons or Ty-Straps. The 36 inch slotted blanket is also available with 2 or 4.5 in. center holes and with hook and pile (Zip Style). The 46 in. slotted blanket features extra thickness at the end of the slot for added strength. All blankets comply with current ASTM D1048 specifications.



| Mfg. No. | Advanced ID | ASTM Class | Color  | Material/Type  | Proof Test |             |
|----------|-------------|------------|--------|----------------|------------|-------------|
|          |             |            |        |                | Voltage    | Size        |
| 14       | 88231776    | 2          | Black  | Natural Type I | 20kV       | 22 x 22 in. |
| 15       | 88231784    | 4          | Orange | SALCOR Type II | 40kV       | 22 x 22 in. |
| 15-1     | 88231785    | 4          | Black  | SALCOR Type II | 40kV       | 22 x 22 in. |
| 1100     | 88231742    | 2          | Black  | Natural Type I | 20kV       | 36 x 36 in. |
| 1300     | 88231767    | 4          | Orange | SALCOR Type II | 40kV       | 36 x 36 in. |
| 1301     | 88231769    | 4          | Black  | SALCOR Type II | 40kV       | 36 x 36 in. |
| 1302     | 99844033    | 4          | Orange | SALCOR Type II | 40kV       | 36 x 36 in. |
| 1304     | 94048796    | 4          | Orange | SALCOR Type II | 40kV       | 36 x 36 in. |
| 1400E    | 88231778    | 2          | Black  | Natural Type I | 20kV       | 46 x 46 in. |
| 1800E    | 88231830    | 4          | Orange | SALCOR Type II | 40kV       | 46 x 46 in. |

**Cable**

|                  |        |
|------------------|--------|
| Category 3.....  | 16-1   |
| Category 5e..... | 16-1-3 |
| Category 6.....  | 16-3-4 |
| Hanger.....      | 16-23  |

**Call Processor**

|                      |       |
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| Hot Line Dialer..... | 16-21 |
|----------------------|-------|

**Coaxial Products**

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|-----------------------------|------|
| Connectors & Splitters..... | 16-5 |
|-----------------------------|------|

**Cross Connect Products**

|                 |      |
|-----------------|------|
| 110 System..... | 16-6 |
|-----------------|------|

**Faceplates / Surface Mount Boxes**

|                          |      |
|--------------------------|------|
| Faceplates.....          | 16-6 |
| Surface Mount Boxes..... | 16-7 |

**Jacks / Outlets / Adapters**

|                           |        |
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| Accessories.....          | 16-7   |
| Category 3 Outlets.....   | 16-7-8 |
| Category 5e Outlets.....  | 16-9   |
| Couplers.....             | 16-7   |
| Flush Mount Jacks.....    | 16-7   |
| Modular Adapters.....     | 16-8   |
| Snap - In Outlets.....    | 16-7,9 |
| Surface Mount Jacks.....  | 16-8   |
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**Notification**

|                                |       |
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| Universal Telephone Alert..... | 16-21 |
|--------------------------------|-------|

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|                |       |
|----------------|-------|
| Generator..... | 16-21 |
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|                  |       |
|------------------|-------|
| Category 5e..... | 16-12 |
| Category 6.....  | 16-12 |

**Patch Panels**

|                               |       |
|-------------------------------|-------|
| Accessories.....              | 16-11 |
| Blank Panels.....             | 16-10 |
| Category 5e Patch Boxes.....  | 16-11 |
| Category 5e Patch Panels..... | 16-9  |
| Category 6 Patch Boxes.....   | 16-10 |
| Category 6 Patch Panels.....  | 16-10 |

**Raceway**

|                 |       |
|-----------------|-------|
| Riser Gard..... | 16-22 |
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**Telephones**

|                       |       |
|-----------------------|-------|
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|                          |              |
|--------------------------|--------------|
| Butt Sets.....           | 16-17        |
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| Fiber.....               | 16-14-16     |
| Kits.....                | 16-14-16, 18 |
| Modular Adapters.....    | 16-17        |
| Tone & Probe.....        | 16-16        |

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|                      |           |
|----------------------|-----------|
| Cable Cutters.....   | 16-19     |
| Cable Stripper.....  | 16-18-19  |
| Can Wrench.....      | 16-20     |
| Coax, Stripper.....  | 16-18, 20 |
| Crimper.....         | 16-18, 20 |
| Crimping Pliers..... | 16-18     |
| Impact.....          | 16-18-20  |
| Kits.....            | 16-20     |
| Probe Pic.....       | 16-20     |
| Snips.....           | 16-19     |
| Wire Strippers.....  | 16-18, 20 |

### Category 3 UTP Cable

SUPPERIOR ESSEX®

The ideal choice for LAN transmission with specified bandwidth up to 16 MHz. These cables are used for voice and data communications and can handle application bandwidths up to 16MHz. Other uses for these cables include indoor use on customer premises for the interconnection of telephone key systems, PBX and intercom systems. Product is offered for either Plenum (CMP) or Riser (CMR) applications.

#### Benefits

- Easier and Less Time-Consuming Installations, No Kinking of Outer Jacket
- Improves Backbone Sub-System Identification, Reduces Labor and Mistakes
- Reduces Termination Time and Improves Circuit Identification
- 4-pair 24 AWG

| Mfg. No.                   | Advanced ID     | Jacket Color | Advanced Catalog Number |
|----------------------------|-----------------|--------------|-------------------------|
| <b>Plenum, Pop-Box</b>     |                 |              |                         |
| 18-241-26                  | <b>94002633</b> | Blue         | 3P4P24-BL-P-ESS-PP      |
| 18-241-46                  | <b>94002637</b> | White        | 3P4P24-WH-P-ESS-PP      |
| 18-241-36                  | <b>94002632</b> | Gray         | 3P4P24-GY-P-ESS-PP      |
| <b>Non-Plenum, Pop-Box</b> |                 |              |                         |
| 18-241-43                  | <b>95054476</b> | White        | 3NP4P24-WH-P-ESS-PV     |
| 18-241-33                  | <b>92075992</b> | Gray         | 3NP4P24-GY-P-ESS-PV     |

Available in other colors and packaging.

### Category 3 UTP Cable

General Cable

#### Benefits

- Typical Application Includes 100 VG-AnyLAN and 10BASE-T
- Excellent Transmission Characteristics Meeting Category 3 Requirements
- All Pair Counts Meet Category 3 PS-NEXT Backbone Wiring Transmission Requirements
- 4-Pair 24 AWG



| Mfg. No.                   | Advanced ID     | Jacket Color | Advanced Catalog Number |
|----------------------------|-----------------|--------------|-------------------------|
| <b>Plenum, Pop-Box</b>     |                 |              |                         |
| 2131245                    | <b>94006079</b> | White        | 3P4P24-WH-P-GCC-PP      |
| 2131453                    | <b>96094835</b> | Blue         | 3P4P24-BL-P-GCC-PP      |
| 2131313                    | <b>94036713</b> | Gray         | 3P4P24-GY-P-GCC-PP      |
| <b>Non-Plenum, Pop-Box</b> |                 |              |                         |
| 2133296                    | <b>93165878</b> | White        | 3NP4P24-WH-P-GCC-PV     |
| 2133017                    | <b>91013405</b> | Gray         | 3NP4P24-GY-P-GCC-PV     |

Available in other colors and packaging.

### Category 3 UTP Cable

Berk-Tek

Berk-Tek's Category 3 UTP cables are designed for voice applications. This Category 3, 4 pair UTP cable is tested and guaranteed to meet ANSI/TIA/EIA-568-B1-1.2, horizontal cabling requirements.

#### Benefits

- Universally Accepted Design for Global Commercial Network Installations
- Simplified Structured Cabling Solution
- Warranted, Trouble-Free Cabling Installation and Maintenance

#### Features

- Standards Flame-Retardant PVC or Low Smoke Zero Halogen Jacket Construction
- Supports 10BASE-T, Token Ring, Voice, 100VG-AnyLAN, Telephony
- Intended for Voice and Data Applications up to 16 MHz

| Mfg. No.                  | Advanced ID     | Jacket Color | Advanced Catalog Number |
|---------------------------|-----------------|--------------|-------------------------|
| <b>Plenum Pop Box</b>     |                 |              |                         |
| 10032047                  | <b>94041274</b> | White        | 3P4P24-WH-P-BER-PP      |
| 10032031                  | <b>94010360</b> | Blue         | 3P4P24-BL-P-BER-PP      |
| 10032040                  | <b>94036696</b> | Gray         | 3P4P24-GY-P-BER-PP      |
| <b>Non-Plenum Pop Box</b> |                 |              |                         |
| 10034564                  | <b>96092516</b> | White        | 3NP4P24-WH-P-BER-PV     |
| 10032335                  | <b>91013205</b> | Blue         | 3NP4P24-BL-P-BER-PV     |
| 10032402                  | <b>95013420</b> | Gray         | 3NP4P24-GY-P-BER-PV     |

Available in other colors and packaging.

### GenSPEED™ 5000

General Cable

#### Features

- All Pair Counts Meet Category 5e PowerSUM Backbone Transmission Requirements
- Suitable for High-Speed Data Transmission
- 4-Pair 24 AWG

| Mfg. No.                   | Advanced ID     | Jacket Color | Advanced Catalog Number |
|----------------------------|-----------------|--------------|-------------------------|
| <b>Plenum, Pop-Box</b>     |                 |              |                         |
| 5131278E                   | <b>99507250</b> | Blue         | 5EP4P24-BL-P-GCC-TP     |
| 5131361E                   | <b>99507256</b> | White        | 5EP4P24-WH-P-GCC-TP     |
| 5131418E                   | <b>99507253</b> | Gray         | 5EP4P24-GY-P-GCC-TP     |
| 5131379E                   | <b>99510986</b> | Yellow       | 5EP4P24-YL-P-GCC-TP     |
| 5131547E                   | <b>99511004</b> | Green        | 5EP4P24-GN-P-GCC-TP     |
| <b>Non-Plenum, Pop-Box</b> |                 |              |                         |
| 5133299E                   | <b>99507241</b> | Blue         | 5ENP4P24-BL-P-GCC-PV    |
| 5133255E                   | <b>99507247</b> | White        | 5ENP4P24-WH-P-GCC-PV    |
| 5133200E                   | <b>99507244</b> | Gray         | 5ENP4P24-GY-P-GCC-PV    |
| 5133289E                   | <b>99508832</b> | Yellow       | 5ENP4P24-YL-P-GCC-PV    |
| 5133512E                   | <b>99521450</b> | Green        | 5ENP4P24-GN-P-GCC-PV    |

Available in other colors and packaging.

### 5e LAN

Mohawk

Benefits

- 14 dB Minimum ACR @ 100MHz
- 4dB Minimum - Next Improvement Over Category 5
- ETL Verified to Category 5e
- 4-Pair 24 AWG



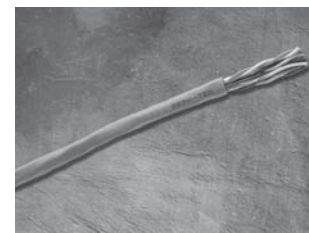
| Mfg. No.                   | Advanced ID     | Advanced Catalog Number | Jacket Color |
|----------------------------|-----------------|-------------------------|--------------|
| <b>Plenum, Pop-Box</b>     |                 |                         |              |
| M57546B                    | <b>99485085</b> | 5EP4P24-BL-P-MOH-AP     | Blue         |
| M57547B                    | <b>99485084</b> | 5EP4P24-WH-P-MOH-AP     | White        |
| M57545B                    | <b>99485086</b> | 5EP4P24-GY-P-MOH-AP     | Gray         |
| M57550B                    | <b>99569451</b> | 5EP4P24-YL-P-MOH-AP     | Yellow       |
| M57551RB                   | <b>99659954</b> | 5EP4P24-GN-P-MOH-AP     | Green        |
| <b>Non-Plenum, Pop-Box</b> |                 |                         |              |
| M57553B                    | <b>99510659</b> | 5ENP4P24-BL-P-MOH-PV    | Blue         |
| M57554B                    | <b>99510661</b> | 5ENP4P24-WH-P-MOH-PV    | White        |
| M57552B                    | <b>99510657</b> | 5ENP4P24-GY-P-MOH-PV    | Gray         |
| M57556B                    | <b>99569485</b> | 5ENP4P24-YL-P-MOH-PV    | Yellow       |
| M57557B                    | <b>99569480</b> | 5ENP4P24-GN-P-MOH-PV    | Green        |

Available in other colors and packaging.

### Hyper Plus™ 5e

Berk-Tek

Hyper Plus 5e Standard Category 5e UTP cables are designed for horizontal network and voice applications in a structured cabling network to connect between the user outlet and horizontal cross-connect.



Benefits

- Universally Accepted Design for Global Commercial Network Installations
- Simplified Structured Cabling Solution Preserving Long-Term Network Investment
- Warranted, Trouble-Free Cabling Installation and Maintenance

Features

- Supports 10BASE-T, 100BASE-T, Fast Ethernet, Token Ring, TP-PMD, Voice, Telephony, Multimedia, 155Mb/s ATM
- Meets TIA/EIA 568-B.2 Category 5e Requirements
- Available in a Water-Blocked Outside Plant Version
- 4-Pair 24 AWG Solid BC

| Mfg. No.                   | Advanced ID     | Advanced Catalog Number | Jacket Color |
|----------------------------|-----------------|-------------------------|--------------|
| <b>Plenum, Pop-Box</b>     |                 |                         |              |
| 10032227                   | <b>99477766</b> | 5EP4P24-BL-P-BER-AP     | Blue         |
| 10032223                   | <b>99477783</b> | 5EP4P24-WH-P-BER-AP     | White        |
| 10032207                   | <b>99477782</b> | 5EP4P24-GY-P-BER-AP     | Gray         |
| 10032235                   | <b>99477770</b> | 5EP4P24-YL-P-BER-AP     | Yellow       |
| 10032232                   | <b>99477768</b> | 5EP4P24-GN-P-BER-AP     | Green        |
| <b>Non-Plenum, Pop Box</b> |                 |                         |              |
| 10032528                   | <b>99477809</b> | 5ENP4P24-BL-P-BER-PV    | Blue         |
| 10032535                   | <b>99477805</b> | 5ENP4P24-WH-P-BER-PV    | White        |
| 10032510                   | <b>99477811</b> | 5ENP4P24-GY-P-BER-PV    | Gray         |
| 10032531                   | <b>99477807</b> | 5ENP4P24-YL-P-BER-PV    | Yellow       |
| 10032539                   | <b>99477804</b> | 5ENP4P24-GN-P-BER-PV    | Green        |

Available in other colors and packaging.



## Marathon LAN® Category 5e - CMR/CMP

SUPPERIOR ESSEX®

Marathon LAN Category 5e cable offers an exceptional value for jobs which require standards compliance at a cost-effective price. While Marathon LAN cable meets all of the TIA/EIA 568-B.2 specifications, it also offers other features that make it easier to use, save on installation time and expense and ensure product quality during the installation. Marathon LAN cable provides a QuickCount® feature, which marks the exact cable remaining in the box and a WideMouth payout design, which reduces tension on the wire as it is pulled during installation.

| Mfg. No.                   | Advanced ID     | Advanced Catalog Number | Jacket Color |
|----------------------------|-----------------|-------------------------|--------------|
| <b>Plenum, Pop-Box</b>     |                 |                         |              |
| 51-241-28                  | <b>99550304</b> | 5EP4P24-BL-P-ESS-TP     | Blue         |
| 51-241-48                  | <b>99550305</b> | 5EP4P24-WH-P-ESS-TP     | White        |
| 51-241-38                  | <b>99656670</b> | 5EP4P24-GY-P-ESS-TP     | Gray         |
| 51-241-68                  | <b>22108083</b> | 5EP4P24-YL-P-ESS-TP     | Yellow       |
| 51-241-58                  | <b>22066614</b> | 5EP4P24-GN-P-ESS-TP     | Green        |
| <b>Non-Plenum, Pop-Box</b> |                 |                         |              |
| 51-240-25                  | <b>99550308</b> | 5ENP4P24-BL-P-ESS-PV    | Blue         |
| 51-240-45                  | <b>99550344</b> | 5ENP4P24-WH-P-ESS-PV    | White        |
| 51-240-35                  | <b>99656669</b> | 5ENP4P24-GY-P-ESS-PV    | Gray         |
| 51-240-65                  | <b>22044560</b> | 5ENP4P24-YL-P-ESS-PV    | Yellow       |
| 51-240-55                  | <b>22044561</b> | 5ENP4P24-GN-P-ESS-PV    | Green        |

Available in other colors and packaging.

## AdvanceNET™

Mohawk

AdvanceNET is unshielded twisted pair cable tested to 650MHz and ETL verified to TIA/EIA 568-B.2-1 category 6.

### Benefits

- 28dB Minimum ACR at 100MHz
- Flex Web Construction for Superior NEXT Performance Across Entire Frequency Range
- 13dB Minimum NEXT Improvement Over Category 5e
- Plenum 100% FEP Teflon Insulated
- Offered with a 25-year Warranty \*
- 4-Pair 23 AWG



| Mfg. No.                   | Advanced ID     | Advanced Catalog Number | Jacket Color |
|----------------------------|-----------------|-------------------------|--------------|
| <b>Plenum, Pop-Box</b>     |                 |                         |              |
| M57193B                    | <b>99569206</b> | 6P4P24-BL-P-MOH-AP      | Blue         |
| M56905B                    | <b>99569205</b> | 6P4P24-WH-P-MOH-AP      | White        |
| M57196B                    | <b>99569207</b> | 6P4P24-GY-P-MOH-AP      | Gray         |
| M57195B                    | <b>99570632</b> | 6P4P24-YL-P-MOH-AP      | Yellow       |
| <b>Non-Plenum, Pop-Box</b> |                 |                         |              |
| M57202B                    | <b>99569209</b> | 6NP4P24-BL-P-MOH-PV     | Blue         |
| M56889B                    | <b>99569208</b> | 6NP4P24-WH-P-MOH-PV     | White        |
| M57205B                    | <b>99569210</b> | 6NP4P24-GY-P-MOH-PV     | Gray         |
| M57204B                    | <b>99723536</b> | 6NP4P24-YL-P-MOH-PV     | Yellow       |

Available in other colors and packaging.

\* Warranty available with MAC and SystemMate programs

## DataGain® Category 6+ CMR/CMP

SUPPERIOR ESSEX®

DataGain cable provides one of the best values in Category 6 cables on the market today. The innovative design, which does not utilize a cross web filler, yields exceptional performance that exceeds TIA/EIA Category 6 specifications. DataGain easily surpasses the performance of other cost-competitive Category 6 cables.

### Features

- Guaranteed NEXT, PS NEXT, ELFEXT, PS ELFEXT, ACR, PS ACR, and RL Values Greater than Category 6 Requirements
- Guaranteed ACR of 25.9 dB at 100 MHz and 7 dB at 250 MHz
- QuickCount® Marking System
- Color Coded Box Labels
- Round Design with Flexible Tape Separator
- Warranted with Numerous Connectivity Manufacturers
- ColorTip™ Circuit Identification System

| Mfg. No.                   | Advanced ID     | Advanced Catalog Number | Jacket Color |
|----------------------------|-----------------|-------------------------|--------------|
| <b>Plenum, Pop-Box</b>     |                 |                         |              |
| 66-240-2B                  | <b>22108318</b> | 6P4P24-BL-P-ESS-AP      | Blue         |
| 66-240-4B                  | <b>22108387</b> | 6P4P24-WH-P-ESS-AP      | White        |
| 66-240-3B                  | <b>22108368</b> | 6P4P24-GY-P-ESS-AP      | Gray         |
| 66-240-6B                  | <b>22108389</b> | 6P4P24-YL-P-ESS-AP      | Yellow       |
| <b>Non-Plenum, Pop-Box</b> |                 |                         |              |
| 66-240-2A                  | <b>22108235</b> | 6NP4P24-BL-P-ESS-PV     | Blue         |
| 66-240-4A                  | <b>22108237</b> | 6NP4P24-WH-P-ESS-PV     | White        |
| 66-240-3A                  | <b>22108236</b> | 6NP4P24-GY-P-ESS-PV     | Gray         |
| 66-240-6A                  | <b>22108250</b> | 6NP4P24-YL-P-ESS-PV     | Yellow       |

Available in other colors and packaging.

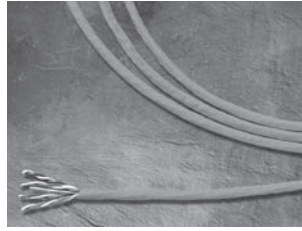


### GenSPEED™ 6000

#### General Cable

#### Features

- High Performance Cables
- Easy to Install and Offers all the Performance Needed for Tomorrow's Technology
- Designed to Meet the TIA/EIA-568B.2-1 Category 6 Standard While Providing Excellent Performance and Headroom
- Smaller in Diameter Compared to Other Category 6 Cable Designs, Which Translates into Increased Conduit and Tray Fill Cable Capacities, Allowing More Cable to be Installed
- Suitable for Gigabit Ethernet and Beyond
- 4-Pair 23 AWG



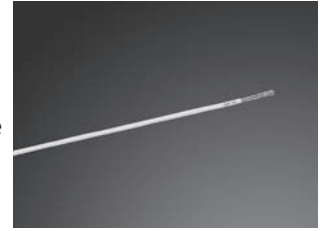
| Mfg. No.                   | Advanced ID     | Advanced Catalog Number | Jacket Color |
|----------------------------|-----------------|-------------------------|--------------|
| <b>Plenum, Pop-Box</b>     |                 |                         |              |
| 7131760                    | <b>25054167</b> | 6P4P24-BL-P-GCC-TP      | Blue         |
| 7131761                    | <b>25054169</b> | 6P4P24-WH-P-GCC-TP      | White        |
| 7131762                    | <b>25061509</b> | 6P4P24-YL-P-GCC-TP      | Yellow       |
| 7131763                    | <b>25061507</b> | 6P4P24-GY-P-GCC-TP      | Gray         |
| <b>Non-Plenum, Pop-Box</b> |                 |                         |              |
| 7133764                    | <b>25055776</b> | 6NP4P24-BL-P-GCC-PV     | Blue         |
| 7133765                    | <b>25055777</b> | 6NP4P24-WH-P-GCC-PV     | White        |
| 7133766                    | <b>25061518</b> | 6NP4P24-YL-P-GCC-PV     | Yellow       |
| 7133767                    | <b>25061514</b> | 6NP4P24-GY-P-GCC-PV     | Gray         |

Available in other colors and packaging.

### LANmark 1000

#### Berk-Tek

LANmark-1000 is an ANSI/TIA/EIA Category 6 verified cable that is ideal for gigabit network application. LANmark-1000 was the first cable in the industry which set requirements for cable balance. Balance is the performance parameter which affects cable emissions. Cable balance is a property that helps protect the network from the damaging effects of outside noise sources.



#### Benefits

- Capable of Handling Next Generation Network Applications Which Will Utilize Full Duplex Operation and/or Simultaneous Bi-directional Transmission
- Power Sum Characterization Gives Highest Performance Using Existing Applications
- Provides Additional Bandwidth Required for Future Applications
- Addition of Balance Requirements Improves Overall Cable Performance and Reduces Cable Emissions which Results in Reduced Transmission Errors
- State-of-the-Art Testing Allows High Frequency Characterization of the Cable to 500 MHz

#### Features

- Full Duplex Operation over Four Cable Pairs
- Full Power Sum Performance
- Increased Usable Bandwidth up to 250 MHz
- Documented Balance Characteristics (LCL, LCTL)
- Small, Round, Easy to Install Construction
- ETL Verified to ANSI/TIA/EIA-568-B.2-1 Category 6 Standard Gigabit
- 4-Pair 24 AWG Solid BC

| Mfg. No.                   | Advanced ID     | Advanced Catalog Number | Jacket Color |
|----------------------------|-----------------|-------------------------|--------------|
| <b>Plenum, Pop-Box</b>     |                 |                         |              |
| 10032094                   | <b>97120890</b> | 6P4P24-BL-P-BER-AP      | Blue         |
| 10032092                   | <b>97120889</b> | 6P4P24-WH-P-BER-AP      | White        |
| 10032026                   | <b>97120887</b> | 6P4P24-GY-P-BER-AP      | Gray         |
| 10032090                   | <b>97120888</b> | 6P4P24-YL-P-BER-AP      | Yellow       |
| <b>Non-Plenum, Pop-Box</b> |                 |                         |              |
| 10032455                   | <b>97192600</b> | 6NP4P24-BL-P-BER-PV     | Blue         |
| 10032459                   | <b>97193145</b> | 6NP4P24-WH-P-BER-PV     | White        |
| 10032452                   | <b>97193138</b> | 6NP4P24-GY-P-BER-PV     | Gray         |
| 10032461                   | <b>97193149</b> | 6NP4P24-YL-P-BER-PV     | Yellow       |

Available in other colors and packaging.

## BNC Coaxial Connectors

IDEAL INDUSTRIES, INC.

### Features

- #20 AWG Solid
- Specification Grade is a Premium High Grade, Machined Brass Connector for Precision Video and Data Applications
- Commercial Grade is an Economical Die Cast Product that Addresses the Applications that Do Not Require Machined Brass Quality
- Assortment of Connectors offer Both 50 ohm and 75 ohm Nominal Impedance to Match Cable Impedance to Provide Maximum Performance

| Mfg. No. | Advanced ID              | Description                                       |
|----------|--------------------------|---|
| 85-502   | <a href="#">97129111</a> | RG-59, PVC, (Bag of 5), Commercial Grade          |
| 85-545   | <a href="#">97129123</a> | RG-6, PVC, (Bag of 5), Specification Grade        |
| 85-547   | <a href="#">97129124</a> | RG-6, Plenum, (Bag of 5), Specification Grade     |
| 86-502   | <a href="#">97114017</a> | RG-59, Non-Plenum, (Box of 100), Commercial Grade |
| 86-512   | <a href="#">97114018</a> | RG-59, Plenum, (Box of 100), Commercial Grade     |

## CATV Cable Splitter

IDEAL INDUSTRIES, INC.



85-032 2-Way, 5-900 MHz



85-033 3-Way, 5-900 MHz



85-034 4-Way, 5-900 MHz



85-132 2-Way, 1 GHz



85-133 3-Way, 1 GHz



85-134 4-Way, 1 GHz

| Mfg. No. | Advanced ID              | Description      |
|----------|--------------------------|------------------|
| 85-032   | <a href="#">91025653</a> | 5-900 MHz, 2-Way |
| 85-033   | <a href="#">91022488</a> | 5-900 MHz, 3-Way |
| 85-034   | <a href="#">91022489</a> | 5-900 MHz, 4-Way |
| 85-132   | <a href="#">98317085</a> | 1 GHz 2-way      |
| 85-133   | <a href="#">98317086</a> | 1 GHz 3-way      |
| 85-134   | <a href="#">98317087</a> | 1 GHz 4-way      |

## Coaxial Connectors and Splitters

Allen Tel Products

A broad line of coaxial connectors for network, video and security applications. BNC Connectors allow ease of engagement and disengagement using bayonet couplings and overlapping dielectrics. All BNC connectors, adapters and terminations come with gold plated contacts to insure the highest degree of performance, resulting in lower maintenance cost and customer satisfaction.



### Features

- Three Connector Installation Methods - Twist-On, Hex and O
- Crimp and Twist-On Connectors
- Ease of Installation

| Mfg. No.   | Advanced ID              | Description  |
|--|--------------------------|--|
| <b>50 ohm BNC Adapters &amp; Terminators (2 per package)</b> |                          |  |
| GBNC58-T   | <a href="#">96097138</a> | Twist-On connector for RG/U 58 cable   |
| GBNC60-O   | <a href="#">96097139</a> | O Crimp connector for the following Cable: RG-62, RG-62A, RG-62B, RG 59, RG 59A, RG 59B, Belden 9291, Belden 9209 and equivalent construction  |
| GBNC60-T   | <a href="#">96097143</a> | Twist-On connector for the following cable: RG-62, RG-62A, RG-62B, RG-59, RG-59A, RG 59B, Belden 9291, Belden 9209 and equivalent construction |

### BNC In-line Splice

GBNC-SPL [96097129](#) In-Line splice, jack-to-jack (two pkg.)

### Male F Series CATV Connectors (5 per package)

|         |                          |  |
|---------|--------------------------|--|
| CT703   | <a href="#">94026286</a> | For STD RG-59 Cable  |
| CT703MP | <a href="#">97105848</a> | Moisture-proof for STD RG-59   |
| CT712   | <a href="#">94032025</a> | Male F Series CATV connector, Twist-On, no crimp for RG-59 PVC cable |
| CT715   | <a href="#">94026288</a> | With separate 1/4 in. ring for RG-6 PVC cable                        |
| CT718   | <a href="#">94032026</a> | Twist-On, no crimp for RG-6 PVC cable                                |
| CT732   | <a href="#">94026290</a> | For STD RG-6 cable   |
| CT732MP | <a href="#">97105849</a> | Moisture-proof for STD RG-6  |
| CT734   | <a href="#">94026291</a> | For RG-6 quad shield   |
| CT746   | <a href="#">95025329</a> | For RG-6 cable teflon/plenum   |

### F Connector In-line Splice (2 per package)

CT721 [94026293](#) In-Line Splice, Female 3/4 in. with nut and washers

### Coaxial 5-900 MHz Splitters

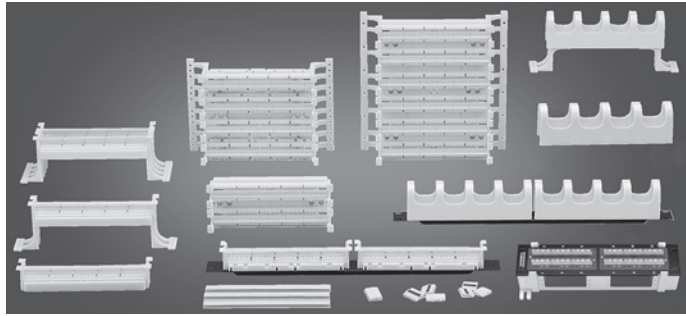
|       |                          |  |
|-------|--------------------------|--|
| CT408 | <a href="#">94026308</a> | Eight-way 11 DB insertion loss, high isolation, power passive 82 channel |
| CT411 | <a href="#">94026304</a> | Two-way MINI 3.5 DB insertion loss 20 DB isolation, DC passive           |
| CT412 | <a href="#">94026305</a> | Two-way 3.5 DB insertion loss, 20 DB isolation, DB passive               |
| CT413 | <a href="#">94026306</a> | Three-way loss; two at 6.5 DB, one at 3.5 DB, 20 DB isolation DC passive |
| CT414 | <a href="#">94026307</a> | Four-way 6.5 DB insertion loss, 30 DB isolation, DC passive              |

### Accessories

|       |                          |                             |
|-------|--------------------------|-----------------------------|
| CT726 | <a href="#">94026301</a> | Cable clips for RG-59 cable |
| CT727 | <a href="#">94026302</a> | Cable clips for RG-6 cable  |

### 110 System

Allen Tel Products



Allen Tel's 110 terminating system uses a modular approach with few basic components. The 50 and 100-pair bases may be ordered with or without stand off legs. All bases come with label strip holders and paper label strips. The system can mount on the wall or a backboard. All components are UL listed and 5e compliant.

| Mfg. No.                      | Advanced ID | Description                             |
|-------------------------------|-------------|---|
| <b>Wiring Blocks</b>          |             |   |
| GB110BK-50                    | 99891832    | 50-Pair Block with Legs                 |
| GB110BK-100                   | 99891843    | 100-Pair Block with Legs                |
| GB110BK-200                   | 99891891    | 200-Pair Block with Legs                |
| GB110BK-300                   | 99891892    | 300-Pair Block with Legs                |
| GB110B-50                     | 99891803    | Low Profile 50-Pair Block without Legs  |
| GB110B-100                    | 99891828    | Low Profile 100-Pair Block without Legs |
| <b>Connecting Blocks</b>      |             |   |
| GB110-C3                      | 99891893    | 3-Pair Clip                             |
| GB110-C4                      | 99891894    | 4-Pair Clip                             |
| GB110-C5                      | 99891895    | 5-Pair Clip                             |
| <b>Wire Management</b>        |             |   |
| GB110F                        | 99891896    | Horizontal Cord Manager without Legs    |
| GB110FK                       | 99891899    | Horizontal Cord Manager with Legs       |
| GB110FP                       | 99891900    | 19 in. Panel with Two GB110F            |
| GB110P-100                    | 99891903    | 19 in. 100-Pair Wiring Panel            |
| GB110P-300                    | 99891924    | 19 in. 300-Pair Wiring Panel            |
| <b>Accessories</b>            |             |   |
| GB110PH                       | 99891901    | Label Holder                            |
| GB110PS                       | 99891902    | White Labels                            |
| <b>Field Termination Kits</b> |             |   |
| GB300-C4-KIT                  | 22008594    | 300-Pair Block with C4 Connectors (75)  |
| GB300-C5-KIT                  | 22008593    | 300-Pair Block with C5 Connectors (60)  |

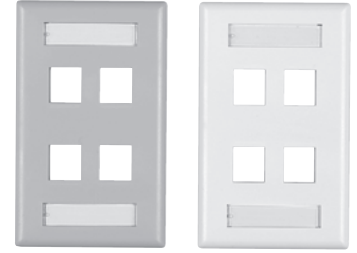
### Versatap Modular Faceplates

Allen Tel Products

The Versatap Modular Faceplates are available in Plastic, 45° angled, Stainless Steel and with ID stations.

#### Features

- Versatility with Versatap Inserts
- Ease of Installation
- Versatap Modular System Compatibility



| Mfg. No.                     | Advanced ID | Description |
|------------------------------|-------------|-------------|
| <b>Plastic Faceplates</b>    |             |             |
| <b>1-Port</b>                |             |             |
| AT30-1-09                    | 94035852    | Ivory       |
| AT30-1-14                    | 94035853    | Gray        |
| AT30-1-15                    | 94035854    | White       |
| <b>2-Port</b>                |             |             |
| AT30-2-09                    | 92044747    | Ivory       |
| AT30-2-14                    | 92044746    | Gray        |
| AT30-2-15                    | 92044745    | White       |
| <b>3-Port</b>                |             |             |
| AT30-3-09                    | 92044744    | Ivory       |
| AT30-3-14                    | 92044743    | Gray        |
| AT30-3-15                    | 92044742    | White       |
| <b>4-Port</b>                |             |             |
| AT30-4-09                    | 92044741    | Ivory       |
| AT30-4-14                    | 92044740    | Gray        |
| AT30-4-15                    | 92044739    | White       |
| <b>6-Port</b>                |             |             |
| AT30-6-09                    | 92044738    | Ivory       |
| AT30-6-14                    | 92044737    | Gray        |
| AT30-6-15                    | 92044736    | White       |
| <b>12-Port</b>               |             |             |
| AT30D-12-09                  | 97136194    | Ivory       |
| AT30D-12-15                  | 97136195    | White       |
| <b>ID Station Faceplates</b> |             |             |
| <b>1-Port</b>                |             |             |
| AT70-1-15                    | 22055239    | White       |
| AT70-1-52                    | 22055240    | El Ivory    |
| <b>2-Port</b>                |             |             |
| AT70-2-15                    | 99967833    | White       |
| AT70-2-52                    | 99967834    | El Ivory    |
| <b>3-Port</b>                |             |             |
| AT70-3-15                    | 22055241    | White       |
| AT70-3-52                    | 22055242    | El Ivory    |
| <b>4-Port</b>                |             |             |
| AT70-4-15                    | 99967835    | White       |
| AT70-4-52                    | 99967836    | El Ivory    |
| <b>6-Port</b>                |             |             |
| AT70-6-15                    | 99967837    | White       |
| AT70-6-52                    | 99967838    | El Ivory    |

## Versatap Surface Mount Boxes

Allen Tel Products

### Features

- Versatility with Versatap Inserts
- Ease of Installation



| Mfg. No.                   | Advanced ID     | Description                         |
|----------------------------|-----------------|-------------------------------------|
| <b>Mounting Box</b>        |                 |                                     |
| AT30M-09                   | <b>93161071</b> | Single, Ivory, 4.5L x 2.75W x 1.75D |
| AT30M-15                   | <b>93161070</b> | Single, White, 4.5L x 2.75W x 1.75D |
| <b>Surface Mount Boxes</b> |                 |                                     |
| AT33S-09                   | <b>93198329</b> | 1-Port, Ivory                       |
| AT33S-15                   | <b>93198330</b> | 1-Port, White                       |
| AT33D-09                   | <b>93198332</b> | 2-Port, Ivory                       |
| AT33D-15                   | <b>93198333</b> | 2-Port, White                       |
| AT44-09                    | <b>95029643</b> | 4-Port, Ivory                       |
| AT44-15                    | <b>95032405</b> | 4-Port, White                       |
| AT33-6-09                  | <b>25057833</b> | 6-Port, Ivory                       |
| AT33-6-15                  | <b>25057844</b> | 6-Port, White                       |

## Couplers

Allen Tel Products



In-Line Coupler



Category 5e Coupler

In-Line couplers are available for connecting two telephone line cords together or allowing one line cord to be bridged to two additional line cords. The AT55C-00, Cat 5e, is designed for use with the Allen Tel ATPNL series of Versatap patch panels.

### Features

- Modular Termination
- Ease of Installation
- Low Maintenance

| Mfg. No.   | Advanced ID     | Description                                 |
|------------|-----------------|---|
| AT210-4    | <b>88008156</b> | In-Line Coupler, 4-Cond 6-Pos               |
| AT210-6    | <b>88008157</b> | In-Line Coupler, 6-Cond 6-Pos               |
| AT210-8    | <b>88008158</b> | In-Line Coupler, 8-Cond 8-Pos               |
| AT210-8-PP | <b>90057520</b> | In-Line Coupler, 8-CPos 8-Cond (pin-to-pin) |
| AT55C-00   | <b>98317408</b> | Category 5e Coupler                         |

## Category 3 Modular Jacks

Allen Tel Products

| Mfg. No. | Advanced ID     | Description          |
|----------|-----------------|----------------------|
| AT34-15  | <b>92044712</b> | White, 6-Pos, 4-Cond |
| AT38-09  | <b>92044705</b> | Ivory, 8-Pos, 8-Cond |
| AT38-15  | <b>92044703</b> | White, 8-Pos, 8-Cond |

Available in White (00), Gray (14), Orange (16), Blue (20) and Red (47).

## E-Z Jacks

Allen Tel Products

E-Z Jacks has an IDC Punch Down which helps save time on installation.

| Mfg. No.                      | Advanced ID     | Description            |
|-------------------------------|-----------------|------------------------|
| <b>Flush IDC Jacks</b>        |                 |                        |
| AT316-4-15                    | <b>99891941</b> | White, 4-Pos 4-Cond    |
| AT316-4-52                    | <b>99891943</b> | El Ivory, 4-Pos 4-Cond |
| <b>Duplex Flush IDC Jacks</b> |                 |                        |
| AT317-4-52                    | <b>99891959</b> | El Ivory, 4-Pos 4-Cond |
| <b>Surface IDC Jacks</b>      |                 |                        |
| AT568-4-15                    | <b>99891962</b> | White, 4-Pos 4-Cond    |
| AT568-4-52                    | <b>99891963</b> | El Ivory, 4-Pos 4-Cond |
| AT568-6-15                    | <b>99891964</b> | White, 6-Pos 6-Cond    |
| AT568-6-52                    | <b>99891965</b> | El Ivory, 6-Pos 6-Cond |

## Flush Mounted Jacks

Allen Tel Products

Screw type terminals. Mounts on AT90 bracket or standard electrical outlet box.

| Mfg. No.                  | Advanced ID     | Description                          |
|---------------------------|-----------------|--------------------------------------|
| <b>Flush Wall Jacks</b>   |                 |                                      |
| AT216-4                   | <b>88008163</b> | Ivory, Single, 4-Cond 6-Pos          |
| AT216-4-15                | <b>88308438</b> | White, Single, 4-Cond 6-Pos          |
| AT216-6                   | <b>88008164</b> | Ivory, Single, 6-Cond 6-Pos          |
| AT216-6-15                | <b>88308437</b> | White, Single, 6-Cond 6-Pos          |
| <b>Flush Mount Jacks</b>  |                 |                                      |
| AT217-4                   | <b>88008165</b> | Ivory, Duplex, 4-Cond 6-Pos          |
| AT1029-4F                 | <b>88308412</b> | Ivory, Combination, RJ-11 and F Conn |
| AT1029-4F-15              | <b>88308411</b> | White, Combination, RJ-11 and F Conn |
| AT1031-F                  | <b>88308409</b> | Ivory, Single, F Type Female         |
| AT1031-F-15               | <b>91024445</b> | White, Single, F Type Female         |
| <b>Flush Smooth Jacks</b> |                 |                                      |
| AT216SM-4                 | <b>92046329</b> | Ivory, Single, 4-Cond 6-Pos          |
| AT216SM-4-15              | <b>92046322</b> | White, Single, 4-Cond 6-Pos          |

Available in other styles.

## Jack Accessories

Allen Tel Products

| Mfg. No.                 | Advanced ID     | Description  |
|--------------------------|-----------------|--|
| <b>Blank Inserts</b>     |                 |  |
| AT31-09                  | <b>92044735</b> | Ivory  |
| AT31-15                  | <b>92044733</b> | White  |
| <b>Mounting Brackets</b> |                 |  |
| AT90                     | <b>89001244</b> | Mounting Bracket for use with Dry Wall or Paneling |

### Modular Adapters

Allen Tel Products

| Mfg. No.  | Advanced ID     | Description  |
|---|-----------------|--|
| <b>Bridging Adapters</b>  |                 |  |
| AT125-SM  | <b>90013033</b> | 25 6-position, 2-conductor (RJ11) jacks wired to 2 25-pair connectors (one male and one female) in standard tip-ring sequence for series connection. |
| <b>Modular Adapters</b>   |                 |  |
| AT173   | <b>91014785</b> | Configured for a two-line telephone system, 4-Cond 6-Pos   |
| AT202-4   | <b>88008150</b> | Connects two telephone sets to one modular jack, 4-Cond 6-Pos  |
| AT203-8   | <b>90000192</b> | Connects two telephone sets to one modular jack, 8-Cond 8-Pos  |
| AT267B  | <b>90095342</b> | Connects two telephone sets to separate lines  |
| AT267C-WE   | <b>91014782</b> | Splitter, 6-Pos 2-Cond   |
| AT464   | <b>91014781</b> | Splitter with pigtail, 4-Pos 4-Cond  |
| <b>Data Adapter Kits</b>  |                 |  |
| ATDB9F-6  | <b>89062513</b> | 6-Cond to 9-Pin, Female  |
| ATDB9F-8  | <b>89062509</b> | 8-Cond to 9-Pin, Female  |
| ATDB9M-8  | <b>89062508</b> | 8-Cond to 9-Pin, Male  |
| ATDB15F-8   | <b>89062507</b> | 8-Cond to 15-Pin, Female   |
| ATDB15M-8   | <b>89062506</b> | 8-Cond to 15-Pin, Male   |
| <b>Shielded Adapter Kits w/Metalized Plastic Hoods</b>  |                 |  |
| ATRA8MS   | <b>94035848</b> | 25-Pin, Male   |
| <b>RS232 Adapter Kits</b>   |                 |  |
| ATRA6F  | <b>88308239</b> | 6-Cond Jack, Female  |
| ATRA6M  | <b>88308238</b> | 6-Cond Jack, Male  |
| ATRA8F  | <b>88308237</b> | 8-Cond Jack, Female  |
| ATRA8M  | <b>88308236</b> | 8-Cond Jack, Male  |
| <b>Connector Kits</b>   |                 |  |
| <b>Includes gray plastic shells, crimp-type contacts, metal strain relief and assembly hardware</b> |                 |  |
| ATD25FCK  | <b>90095346</b> | 25-Pin, Type D, 25-Pos Female  |
| ATD25MCK  | <b>90095343</b> | 25-Pin, Type D, 25-Pos Male  |

### Modular Cat 3 Plugs

Allen Tel Products

Modular plugs for handset, line cord and patch cord applications, both keyed and non-keyed.

Features

- UL Listed and CSA Listed

| Mfg. No.     | Advanced ID     | Description                  |
|--------------|-----------------|------------------------------|
| AT4X4        | <b>88008198</b> | Handset Cords, 4-Cond, 4-Pos |
| AT4X6        | <b>88008199</b> | Line Cord, 4-Cond, 6-Pos     |
| AT4X6SC-2224 | <b>91017917</b> | Flat Cord, 4-Cond, 6-Pos     |
| AT6X6SC-2224 | <b>91017916</b> | Flat Cord, 6-Cond, 6-Pos     |

Available in other styles.

### Surface Mount Jacks

Allen Tel Products

| Mfg. No.                             | Advanced ID     | Description                                       |
|--------------------------------------|-----------------|---|
| <b>Modular IDC Jacks</b>             |                 |   |
| AT104-6-52                           | <b>90076759</b> | Duplex, 2-6-Cond 6-Pos, El Ivory                  |
| AT103A8-52                           | <b>89021419</b> | Single, 8-Cond 8-Pos, El Ivory                    |
| AT104A8-52                           | <b>89021417</b> | Duplex, 2-8-Cond 8-Pos, El Ivory                  |
| <b>Modular Jacks, Screw Terminal</b> |                 |   |
| AT444                                | <b>88008192</b> | Duplex, 4-Cond 6-Pos, Ivory                       |
| AT468-6                              | <b>88008195</b> | Single, 6-Cond 6-Pos, Ivory                       |
| AT468-8                              | <b>88008196</b> | Single, 8-Cond 8-Pos, Ivory                       |
| <b>Voice Connecting Block</b>        |                 |   |
| AT635CX                              | <b>92122870</b> | Single, 8-Cond 8-Pos, RJ48X Screw Terminal, Ivory |
| <b>Surface Jacks</b>                 |                 |   |
| AT214B4                              | <b>88008160</b> | Single, 4-Cond 6-Pos Screw Terminal, Ivory        |

Available in other styles.

### Wall Telephone Jacks

Allen Tel Products

| Mfg. No.              | Advanced ID     | Description                           |
|-----------------------|-----------------|---------------------------------------|
| <b>Screw Terminal</b> |                 |                                       |
| AT219-4               | <b>88008170</b> | Single, 4-Cond 6-Pos, Ivory           |
| AT219-6               | <b>88008171</b> | Single, 6-Cond 6-Pos, Ivory           |
| AT219-4-15            | <b>89062504</b> | Single, 4-Cond 6-Pos, White           |
| <b>IDC Terminal</b>   |                 |                                       |
| AT630ABC-4            | <b>88008225</b> | Single, 4-Cond 6-Pos, Ivory           |
| AT630AQB-4            | <b>88008229</b> | Single, 4-Cond 6-Pos, Ash             |
| AT630B-4              | <b>88294439</b> | Single, 4-Cond 6-Pos, Stainless Steel |
| AT630A-6              | <b>88008223</b> | Single, 6-Cond 6-Pos, Stainless Steel |
| AT630B-8              | <b>94040942</b> | Single, 8-Cond 8-Pos, Stainless Steel |

Available in other styles.



## High Density Series Jacks

Allen Tel Products

The High Density Series Jacks will mount into all of Allen Tel's existing Patch Panels, Versatap face plates and housings including the AT60 and AT70 series.



| Mfg. No.                | Advanced ID              | Description          |
|-------------------------|--------------------------|----------------------|
| <b>Cat 3 HD Jacks</b>   |                          |                      |
| AT24-00                 | <a href="#">22080826</a> | 6-Pos, 4-Cond, Black |
| AT26-00                 | <a href="#">22080833</a> | 6-Pos, 6-Cond, Black |
| AT28-00                 | <a href="#">22080842</a> | 6-Pos, 8-Cond, Black |
| <b>Cat 5e HD Jacks*</b> |                          |                      |
| AT65-00                 | <a href="#">22080848</a> | Black                |
| <b>Cat 6 HD Jacks*</b>  |                          |                      |
| AT66-00                 | <a href="#">22017162</a> | Black                |
| AT66-04                 | <a href="#">22017164</a> | Yellow               |
| AT66-05                 | <a href="#">22017167</a> | Green                |
| AT66-09                 | <a href="#">22017169</a> | Ivory                |
| AT66-14                 | <a href="#">22017171</a> | Gray                 |
| AT66-15                 | <a href="#">22017174</a> | White                |
| AT66-16                 | <a href="#">22017176</a> | Orange               |
| AT66-20                 | <a href="#">22017178</a> | Blue                 |
| AT66-47                 | <a href="#">22017179</a> | Red                  |
| AT66-52                 | <a href="#">22017180</a> | El Ivory             |
| AT66SH                  | <a href="#">22061884</a> | Black, Shielded      |

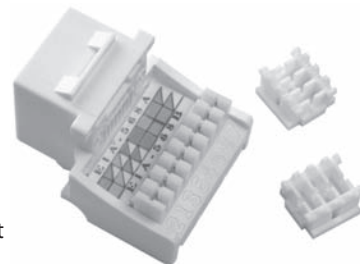
Available in other colors.

\*8-Pos, 8-Cond

## Category 5e Modular Snap-In Jacks

Allen Tel Products

The AT55 Series Jacks are designed to accommodate the Versatap Category 5e System. Not compatible with HD Panels.



### Features

- TIA/EIA Category 5e Compliant
- T568A/B Universally Wired
- Color Coded Label on Jack to Accommodate Either T568A or T568B
- 8-Conductor 8-Position
- Accepts 22/24 AWG Wire

| Mfg. No.  | Advanced ID              | Description     |
|-----------|--------------------------|-----------------|
| AT55-00   | <a href="#">94004190</a> | Black           |
| AT55-04   | <a href="#">96006688</a> | Yellow          |
| AT55-05   | <a href="#">96006689</a> | Green           |
| AT55-09   | <a href="#">93163907</a> | Ivory           |
| AT55-14   | <a href="#">93163906</a> | Gray            |
| AT55-15   | <a href="#">93163905</a> | White           |
| AT55-16   | <a href="#">93163904</a> | Orange          |
| AT55-20   | <a href="#">93163903</a> | Blue            |
| AT55-47   | <a href="#">96008083</a> | Red             |
| AT55-52   | <a href="#">22039395</a> | El Ivory        |
| AT55SH-09 | <a href="#">97119009</a> | Ivory, Shielded |

## Category 5e Patch Panels

Allen Tel Products

Allen Tel's Category 5e Modular to 110 Printed Circuit Board (PCB) Patch Panels are designed to support 155 MHz cross connect Transmission for UTP Cabling Systems utilizing category 5e compliant or performance rated cable.

### Features

- TIA/EIA Category 5e Compliant
- Identification Strips
- Wire Management on Rear of Panel
- Printed Circuit Board Technology



| Mfg. No.                 | Advanced ID              | Description   |
|--------------------------|--------------------------|---|
| <b>Universal T568A/B</b> |                          |   |
| AT55B-PNL-12             | <a href="#">98307385</a> | 12-Port   |
| AT55B-PNL-24             | <a href="#">95013797</a> | 24-Port   |
| AT55B-PNL-48             | <a href="#">95013798</a> | 48-Port   |
| <b>T568B Wiring</b>      |                          |   |
| AT55B-12PT               | <a href="#">96008087</a> | 12-Port with GB89D Mounting Bracket and 2 6-port non-keyed jack modules |

Available in other styles



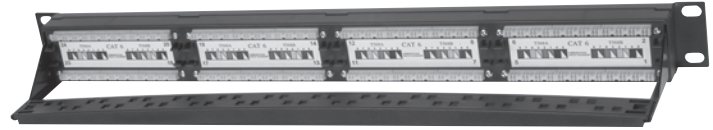
### AT66 Series Patch Panels

#### Allen Tel Products

Allen Tel's Category 6 patch panels are equipped with a wire management bracket that easily snaps into position.

#### Features

- TIA/EIA Category 6 Compliant
- T568A/B Universally Wired
- Identification Strips



| Mfg. No.    | Advanced ID              | Description                |
|-------------|--------------------------|----------------------------|
| AT66-PNL-12 | <a href="#">22054789</a> | 12-Port                    |
| AT66-PNL-24 | <a href="#">22017138</a> | 24-Port                    |
| AT66-PNL-48 | <a href="#">22017141</a> | 48-Port                    |
| AT66-PNL-96 | <a href="#">22017143</a> | 96-Port                    |
| AT66-12PT   | <a href="#">22048757</a> | 12-Port with GB89D Bracket |

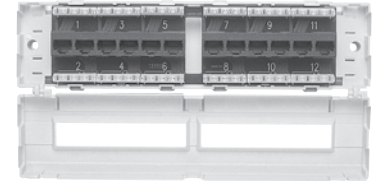
### Category 6 Patch Boxes

#### Allen Tel Products

Allen Tel's new Category 6 110 Patch Box provides the highest level of application and installation flexibility for fast, affordable solutions.

#### Features

- TIA/EIA Category 6 Compliant
- T568A/B Universally Wired
- 110 Termination
- Front Access to 110 Blocks
- ID Strips w/Removable Window
- GB89D Mounting Bracket Included

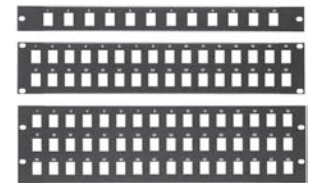


| Mfg. No. | Advanced ID              | Description |
|----------|--------------------------|-------------|
| AT66-6P  | <a href="#">22048758</a> | 6-Port      |
| AT66-12P | <a href="#">22054790</a> | 12-Port     |

### Versatap Blank Patch Panels

#### Allen Tel Products

Designed for use with all Allen Tel Versatap Cat. 3, 5e and 6 jacks and the AT55C-00 coupler, coax and TV modules. Design allows full flexibility when configuring network infrastructures. These 19 inch panels are constructed from 16 gauge sheet metal and finished in textured black baked enamel.



| Mfg. No.                            | Advanced ID              | Description |
|-------------------------------------|--------------------------|-------------|
| <b>Standard Panels</b>              |                          |             |
| ATPNL-12                            | <a href="#">94005116</a> | 12-Port     |
| ATPNL-24                            | <a href="#">94005114</a> | 24-Port     |
| ATPNL-48                            | <a href="#">94005112</a> | 48-Port     |
| <b>High Density Panels</b>          |                          |             |
| ATPNL-HD-24                         | <a href="#">25015593</a> | 24-Port     |
| ATPNL-HD-48                         | <a href="#">25015615</a> | 48-Port     |
| <b>Shielded High Density Panels</b> |                          |             |
| ATPNL-HDSH-24                       | <a href="#">25015609</a> | 24-Port     |
| ATPNL-HDSH-48                       | <a href="#">25015596</a> | 48-Port     |

## Category 5e Patch Boxes

Allen Tel Products

Allen Tel's Category 5e 110 Patch Box is designed for ease of installation and flexibility.



### Features

- TIA/EIA Category 5e Compliant
- 110 Termination
- Front Access to 110 Blocks
- ID Strips with Removable Windows
- GB89D Mounting Bracket Included

| Mfg. No.                   | Advanced ID              | Description |
|----------------------------|--------------------------|-------------|
| <b>T568B Wiring</b>        |                          |             |
| AT55B-6P                   | <a href="#">97227257</a> | 6-Port      |
| AT55B-12P                  | <a href="#">99517204</a> | 12-Port     |
| Available in T568A wiring. |                          |             |

## Patch Panels, Accessories

Allen Tel Products



Hinged Wall Mount Bracket



Cable Support Bar

Allen Tel wire management panels and support bars offer ideal solutions for patching applications. They are designed to provide organized installation for horizontal and vertical routing of patch cords.

### Features

- 19 in. Rack Mounting
- Free Standing Rack Not Required with Hinged Wall Mount Brackets
- Ease of Installation
- Versatility of Patch Cord Routing

| Mfg. No.                          | Advanced ID              | Description                                  |
|-----------------------------------|--------------------------|--|
| <b>Hinged Wall Mount Brackets</b> |                          |  |
| AT55HM-1                          | <a href="#">95035277</a> | 1.75H in.                                    |
| AT55HM-3                          | <a href="#">95035278</a> | 3.5H in.                                     |
| AT55HM-5                          | <a href="#">95035280</a> | 5.25H in.                                    |
| AT55HM-7                          | <a href="#">95035281</a> | 7.0H in.                                     |
| AT55HM-10                         | <a href="#">95035282</a> | 10.5H in.                                    |
| <b>Cable Support Bars</b>         |                          |  |
| AT55CSB*                          | <a href="#">97119008</a> | Rear Mount, with Screws, for 5e Patch Panels |
| <b>Wire Management Panels</b>     |                          |  |
| AT55WB*                           | <a href="#">95035274</a> | Cable Support Bar                            |
| AT55WMP-1*                        | <a href="#">95035275</a> | 3.5H in. with Rings                          |
| AT55WMP-2*                        | <a href="#">95035276</a> | 3.5H in. with Rings and Clips                |

\*Equipped with wire management brackets

### AT1600 Series Patch Cords

Allen Tel Products



#### Features

- Exceeds TIA/EIA Category 6 Standards
- Snagless Boots

| Mfg. No.      | Advanced ID              | Description |
|---------------|--------------------------|-------------|
| <b>3 ft.</b>  |                          |             |
| AT1603-BU     | <a href="#">22017043</a> | Blue        |
| AT1603-GN     | <a href="#">22017044</a> | Green       |
| AT1603-GY     | <a href="#">22017047</a> | Gray        |
| AT1603-I      | <a href="#">22017049</a> | Ivory       |
| AT1603-YL     | <a href="#">22017057</a> | Yellow      |
| <b>5 ft.</b>  |                          |             |
| AT1605-BU     | <a href="#">22017082</a> | Blue        |
| AT1605-GN     | <a href="#">22017083</a> | Green       |
| AT1605-GY     | <a href="#">22017084</a> | Gray        |
| AT1605-I      | <a href="#">22017090</a> | Ivory       |
| AT1605-YL     | <a href="#">22017098</a> | Yellow      |
| <b>7 ft.</b>  |                          |             |
| AT1607-BU     | <a href="#">22017101</a> | Blue        |
| AT1607-GN     | <a href="#">22017102</a> | Green       |
| AT1607-GY     | <a href="#">22017103</a> | Gray        |
| AT1607-I      | <a href="#">22017104</a> | Ivory       |
| AT1607-YL     | <a href="#">22017108</a> | Yellow      |
| <b>10 ft.</b> |                          |             |
| AT1610-BU     | <a href="#">22017110</a> | Blue        |
| AT1610-GN     | <a href="#">22017112</a> | Green       |
| AT1610-GY     | <a href="#">22017114</a> | Gray        |
| AT1610-I      | <a href="#">22017115</a> | Ivory       |
| AT1610-YL     | <a href="#">22017125</a> | Yellow      |
| <b>15 ft.</b> |                          |             |
| AT1615-BU     | <a href="#">22017145</a> | Blue        |
| AT1615-GN     | <a href="#">22017146</a> | Green       |
| AT1615-GY     | <a href="#">22017147</a> | Gray        |
| AT1615-I      | <a href="#">22017148</a> | Ivory       |
| AT1615-YL     | <a href="#">22017152</a> | Yellow      |
| <b>20 ft.</b> |                          |             |
| AT1620-BU     | <a href="#">22017165</a> | Blue        |
| AT1620-GN     | <a href="#">22017166</a> | Green       |
| AT1620-GY     | <a href="#">22017168</a> | Gray        |
| AT1620-I      | <a href="#">22017170</a> | Ivory       |
| AT1620-YL     | <a href="#">22017177</a> | Yellow      |

Available in other lengths and colors.

### Category 5e Patch Cords

Allen Tel Products



Allen Tel's Enhanced Category 5EV Patch cords ensure optimum headroom for performance beyond category 5e. Patch Cords are a vital link in any network. An inferior cord can bring your system below category 5e levels. Allen Tel's next generation of enhanced Patch Cords eliminates that fear and allows the system to perform to its ultimate potential. Their enhanced Category 5EV Patch Cord achieves more headroom with significantly less crosstalk.

#### Features

- Exceeds TIA/EIA Category 5e Standards
- Snagless Boots

| Mfg. No.     | Advanced ID              | Description |
|--------------|--------------------------|-------------|
| <b>3 ft.</b> |                          |             |
| AT1503EV-BK  | <a href="#">99506032</a> | Black       |
| AT1503EV-BU  | <a href="#">99506148</a> | Blue        |
| AT1503EV-GN  | <a href="#">99506171</a> | Green       |
| AT1503EV-GY  | <a href="#">99506192</a> | Gray        |
| AT1503EV-I   | <a href="#">99506209</a> | Ivory       |
| AT1503EV-OR  | <a href="#">99506363</a> | Orange      |
| AT1503EV-P   | <a href="#">22080873</a> | Purple      |
| AT1503EV-RD  | <a href="#">99506372</a> | Red         |
| AT1503EV-WH  | <a href="#">99506381</a> | White       |
| AT1503EV-YL  | <a href="#">99506390</a> | Yellow      |
| <b>5 ft.</b> |                          |             |
| AT1505EV-BK  | <a href="#">99506034</a> | Black       |
| AT1505EV-BU  | <a href="#">99506153</a> | Blue        |
| AT1505EV-GN  | <a href="#">99506172</a> | Green       |
| AT1505EV-GY  | <a href="#">99506195</a> | Gray        |
| AT1505EV-I   | <a href="#">99506211</a> | Ivory       |
| AT1505EV-OR  | <a href="#">99506364</a> | Orange      |
| AT1505EV-P   | <a href="#">22080874</a> | Purple      |
| AT1505EV-RD  | <a href="#">99506373</a> | Red         |
| AT1505EV-WH  | <a href="#">99506382</a> | White       |
| AT1505EV-YL  | <a href="#">99506392</a> | Yellow      |

Continued ►

| Mfg. No.      | Advanced ID              | Description |
|---------------|--------------------------|-------------|
| <b>7 ft.</b>  |                          |             |
| AT1507EV-BK   | <a href="#">99506037</a> | Black       |
| AT1507EV-BU   | <a href="#">99506156</a> | Blue        |
| AT1507EV-GN   | <a href="#">99506173</a> | Green       |
| AT1507EV-GY   | <a href="#">99506196</a> | Gray        |
| AT1507EV-I    | <a href="#">99506334</a> | Ivory       |
| AT1507EV-OR   | <a href="#">99506365</a> | Orange      |
| AT1507EV-P    | <a href="#">22080875</a> | Purple      |
| AT1507EV-RD   | <a href="#">99506374</a> | Red         |
| AT1507EV-WH   | <a href="#">99506383</a> | White       |
| AT1507EV-YL   | <a href="#">99506393</a> | Yellow      |
| <b>10 ft.</b> |                          |             |
| AT1510EV-BK   | <a href="#">99506053</a> | Black       |
| AT1510EV-BU   | <a href="#">99506158</a> | Blue        |
| AT1510EV-GN   | <a href="#">99506175</a> | Green       |
| AT1510EV-GY   | <a href="#">99506198</a> | Gray        |
| AT1510EV-I    | <a href="#">99506336</a> | Ivory       |
| AT1510EV-OR   | <a href="#">99506366</a> | Orange      |
| AT1510EV-P    | <a href="#">22080876</a> | Purple      |
| AT1510EV-RD   | <a href="#">99506375</a> | Red         |
| AT1510EV-WH   | <a href="#">99506384</a> | White       |
| AT1510EV-YL   | <a href="#">99505064</a> | Yellow      |
| <b>14 ft.</b> |                          |             |
| AT1514EV-BK   | <a href="#">99506054</a> | Black       |
| AT1514EV-BU   | <a href="#">99506160</a> | Blue        |
| AT1514EV-GN   | <a href="#">99506177</a> | Green       |
| AT1514EV-GY   | <a href="#">99506200</a> | Gray        |
| AT1514EV-I    | <a href="#">99506337</a> | Ivory       |
| AT1514EV-OR   | <a href="#">99506367</a> | Orange      |
| AT1514EV-P    | <a href="#">22080877</a> | Purple      |
| AT1514EV-RD   | <a href="#">99506376</a> | Red         |
| AT1514EV-WH   | <a href="#">99506385</a> | White       |
| AT1514EV-YL   | <a href="#">99506395</a> | Yellow      |
| <b>25 ft.</b> |                          |             |
| AT1525EV-BK   | <a href="#">99506060</a> | Black       |
| AT1525EV-BU   | <a href="#">99506164</a> | Blue        |
| AT1525EV-GN   | <a href="#">99506185</a> | Green       |
| AT1525EV-GY   | <a href="#">99506203</a> | Gray        |
| AT1525EV-I    | <a href="#">99506360</a> | Ivory       |
| AT1525EV-OR   | <a href="#">99506369</a> | Orange      |
| AT1525EV-P    | <a href="#">22080879</a> | Purple      |
| AT1525EV-RD   | <a href="#">99506378</a> | Red         |
| AT1525EV-WH   | <a href="#">99506387</a> | White       |
| AT1525EV-YL   | <a href="#">99506398</a> | Yellow      |

## Basic Phones

Cortelco



2500



2554



8150 Trendline PC

Basic telephones, desk and/or wall mountable.

| Mfg. No.   | Advanced ID     | Description                     |
|--|-----------------|---------------------------------|
| <b>2500 Series - Single-Line Modular Desk Phone with Cords</b> |                 |                                 |
| 250000VBA20M   | <b>99456663</b> | Black                           |
| 250009VBA20M   | <b>99456664</b> | Ivory                           |
| 250013VBA20M   | <b>99456665</b> | Beige                           |
| 250015VBA20M   | <b>99456666</b> | White                           |
| 250044VBA20M   | <b>99456667</b> | Ash                             |
| 250045VBA20M   | <b>99456668</b> | Brown                           |
| 250047VBA20M   | <b>99456669</b> | Red                             |
| 250044VBA20F   | <b>99456662</b> | Ash, Tel-Flash                  |
| 250000VBA27M   | <b>99456673</b> | Black, Message Waiting          |
| 250044VBA27M   | <b>99456675</b> | Ash, Message Waiting            |
| <b>2554 Series - Wall Mount, Fully Modular Single-Line</b>     |                 |                                 |
| 255400VBA20M   | <b>99456707</b> | Black                           |
| 255409VBA20M   | <b>99456708</b> | Ivory                           |
| 255413VBA20M   | <b>99456709</b> | Beige                           |
| 255415VBA20M   | <b>99456710</b> | White                           |
| 255444VBA20M   | <b>99456711</b> | Ash                             |
| 255445VBA20M   | <b>99456712</b> | Brown                           |
| 255447VBA20M   | <b>99456713</b> | Red                             |
| 255444VBA20F   | <b>99456706</b> | Ash, Tel-Flash                  |
| 255444VBA27F   | <b>99456715</b> | Ash, Tel-Flash, Message Waiting |
| 255444VBA27M   | <b>99456716</b> | Ash, Message Waiting            |
| <b>8150 Series - Desk/Wall Trendline Single-Line</b>           |                 |                                 |
| 815000V0E21F   | <b>98296036</b> | Black                           |
| 815044V0E21F   | <b>98296037</b> | Ash                             |
| 815047V0E21F   | <b>99446170</b> | Red                             |

## Telephones

Allen Tel Products

The variety of complete telephone models offered include speakerphones, and single-line phones using pulse, tone or automatic dialing.



| Mfg. No.  | Advanced ID     | Description   |
|-----------|-----------------|---|
| GB2554V44 | <b>99506842</b> | Wall Phone, Single line, Ash  |
| GB306V    | <b>99508483</b> | Wall Phone, Vandal-resistant, Stainless Steel with tone dial, armored cord and metal dial |
| GB94V02   | <b>99508531</b> | Weatherproof Phone, Red, with GB2554V44 and amplified receiver                            |

Available in other styles.

## Communications Cable Testers

Greenlee Textron



PM-400K



46060



468

Multiple pair testing for opens, shorts and miswiring in unshielded twisted pair, ribbon cable and modular jacks.

| Mfg. No. | Advanced ID     | Description                                      |
|----------|-----------------|--|
| PM-400K  | <b>22124973</b> | PairMapper™ twisted pair wire map tester         |
| 46060    | <b>99477182</b> | Sure Signal® line verifier and patch cord tester |
| 468      | <b>96045286</b> | Modular cable tester/tone generator              |

## DTX CableAnalyzer™ Series

Fluke Networks



The DTX is a verified TIA Accuracy Level IV tester with UL accuracy classification. The platform reduces total time to certify.

### Features

- Exceeds Spec Requirements for Cat 5e/6 and Class E/D/F
- Independently Verified by UL to Meet ISO Level IV and Proposed TIA Level IIIe Accuracy Requirements
- 9-Second Cat 6 Autotest
- Advanced Time-Saving Diagnostics Pinpoints Fault and Suggests Corrective Actions
- 900 MHz Future-Proofs Your Investment for Future Applications Such as 10 Gigabit Ethernet, Class F and CATV
- Resident Fiber Modules Lets You Switch Between Copper and Fiber with the Push of a Button
- DTX Significantly Reduces Total Certification Costs

| Mfg. No.    | Advanced ID     | Description  |
|-------------|-----------------|--|
| DTX-1800    | <b>22110860</b> | DTX-1800 CableAnalyzer                               |
| DTX-1200    | <b>22110808</b> | DTX-1200 CableAnalyzer                               |
| DTX-1200-M  | <b>22113390</b> | DTX-1200 with Multimode Fiber Modules                |
| DTX-1200-MS | <b>22113391</b> | DTX-1200 with Multimode and Singlemode Fiber Modules |
| DTX-1800-M  | <b>22113575</b> | DTX-1800 with Multimode Fiber Modules                |
| DTX-1800-MS | <b>22113576</b> | DTX-1800 with Multimode and Singlemode Fiber Modules |

### Accessories

|          |                 |                             |
|----------|-----------------|-----------------------------|
| DTX-GFM2 | <b>25065492</b> | DTX Gigabit Fiber Modules   |
| DTX-MFM2 | <b>25065491</b> | DTX Multimode Fiber Modules |
| DTX-SFM2 | <b>25065493</b> | DTX Singlemode Fiber Models |

Additional Cable Analyzers Available

### FIBERTEK™ Multimode Basic Kit

IDEAL INDUSTRIES, INC.

#### Features

- Measures Signal Loss, Length, and Delay Over Multimode Fiber
- 850 nm VCSEL Light Source Enables Gigabit Ethernet Certification on Multimode Fiber
- Enables Bi-Directional, Dual Wavelength (850/1300 nm) Measurements for Multimode Fiber
- Talkset Capability Available for Enhanced Communications



| Mfg. No.    | Advanced ID     | Description                  |
|-------------|-----------------|------------------------------|
| FIBERTEKMMB | <b>22017517</b> | FIBERTEK Multimode Basic Kit |

### LANTEK® Cable Certifier

IDEAL INDUSTRIES, INC.



LANTEK 6



LANTEK 7G PREM

#### Features

- One of the Industry's Most Capable CAT 6/ISO E Hybrid Copper/Fiber Certifier
- New LANTEK6A - An Effective 500MHz Category 6a Certifier
- Test Applications up to 1000 MHz, Well Beyond CAT 7/ISO F Specifications
- ETL Certified Level III/IV Accuracy
- Hard Carrying Case
- Dual Bay Rapid Battery Charger
- LANTEK Reporter Software
- Serial and USB Interfaces for Fast Data Transfer
- Infinitely Expandable Memory with CompactFlash Memory Cards

| Mfg. No.     | Advanced ID     | Description                         |
|--------------|-----------------|-------------------------------------|
| LANTEK6P     | <b>22017522</b> | LANTEK 6P Cable Certifier - Premium |
| LANTEK7GPREM | <b>25020609</b> | LANTEK 7G Premium Kit               |
| LANTEK7P     | <b>22017524</b> | LANTEK 7P Cable Certifier - Premium |

### LinkMaster™ PRO Kit

IDEAL INDUSTRIES, INC.



LinkMaster PRO



LinkMaster PRO Economy Kit

#### Features

- Tests for Shorts, Opens, Miswires, Reversals, Split Pairs, and Shield Continuity
- Measures Length on UTP, ScTP, and Coax With or Without Remotes
- Identifies up to Eight Twisted Pair and Coax Remotes
- Tone Generator Sends up to Four Different Tones
- Test Results Displayed in Wire Map Format
- Snap-Off Battery Cap Allows for Easy Battery Change

| Mfg. No. | Advanced ID     | Description  |
|----------|-----------------|--|
| 33-825   | <b>22008389</b> | LinkMaster PRO Large Kit w/ 8 Remotes, Unshielded Cables |
| 33-835   | <b>22008390</b> | LinkMaster PRO Economy Kit, Unshielded Cables            |

### LinkMaster™ PRO XL Kit

IDEAL INDUSTRIES, INC.



LinkMaster PRO XL Tester Kit



LinkMaster PRO XL and ABS™ Deluxe Kit

#### Features

- Male Tester
- 8 Twisted Pair Remotes
- 8 CATV Color-Coded F-Terminals
- 9 RJ-45 Shielded Jumper Cables
- 9 RJ-11 Jumper Cables
- RJ-45 and RJ-11 Adapter
- RJ-45 and RJ-11 to Alligator Clip Cable Assembly
- Carrying Case

| Mfg. No. | Advanced ID     | Description                            |
|----------|-----------------|--|
| 33-880   | <b>22103421</b> | LinkMaster PRO XL Kit w/ POP Packaging |
| 33-881   | <b>25010276</b> | LinkMaster PRO XL and ABS Deluxe Kit   |



### LinkMaster™ Tester

IDEAL INDUSTRIES, INC.

#### Features

- Test Wiring Configuration on UTP and STP
- Check for Shorts, Missing Wires, Reversals and Split Pairs
- Debug Feature, Automatic Shut-Off and Low Battery LED Indicator
- Main Unit and Remote Allows One Person Testing



| Mfg. No. | Advanced ID | Description       |
|----------|-------------|-------------------|
| 62-200   | 97273516    | LinkMaster Tester |

### NAVITEK Standard Kit

IDEAL INDUSTRIES, INC.

#### Features

- Comprehensive Testing and Troubleshooting Tool for Structured Data Networks
- Verifies the Integrity of the Physical Network and Validates Active Network Connectivity with PING and Hub Blinking
- Detects Port Services Such as Ethernet, ISDN, POTS, and Token Ring
- Displays Ethernet Network Speed and Capabilities
- Performs Length Measurement up to 1500 ft. (457.2 Meters)
- Tests Both Shielded and Unshielded Structured Cable to T568A/B Standards with Fault Identification
- Supports Four-Tone Generation for Cable Tracing
- Easy-to-Read Backlit LCD Display



| Mfg. No. | Advanced ID | Description          |
|----------|-------------|----------------------|
| 33-846   | 22114914    | NAVITEK Standard Kit |

### TRACETEK™ Multimode Adapter

IDEAL INDUSTRIES, INC.

#### Features

- Provides An Easy to Use Troubleshooting Capability for Multimode Fiber Optic Cables
- Illustrates Distance-To-Fault By Providing Magnitude and Distance of Reflective Events
- Presents Graphical Information of Fiber Under Test-Similar to An Expensive OTDR
- Measures Total Fiber Length Without Remote Handset of Second Operator
- Available in the Premium Packages of FIBERTEK™ or as a Stand-Alone Option for Any LANTEK® 6 or 7
- Adapter with FC to ST® Launch Cable
- Provides Easy Switching of LANTEK® Certification Tester Between FIBERTEK Loss and Length Measurement and TRACETEK



| Mfg. No.   | Advanced ID | Description                |
|------------|-------------|----------------------------|
| TRACETEKmm | 22017525    | TRACETEK Multimode Adapter |

### VDV MultiMedia Cable Tester Kit

IDEAL INDUSTRIES, INC.

#### Features

- Comprehensive Testing for Voice, Data and Video Applications
- Designed for Testing in Residential and Commercial Environments
- Supports RJ11/12, RJ45, and Coax F-Connector Cabling and Interfaces
- Easy-to-Read LCD Display with PASS/Miswire Indicators, Wiremap Display and Troubleshooting Modes
- Multi-Tone Support for Cable Tracing and Fault Isolation
- Convenient Internal Storage for Remote
- Capacity to Support Additional Remotes



| Mfg. No. | Advanced ID | Description                     |
|----------|-------------|---------------------------------|
| 33-856   | 22125058    | VDV MultiMedia Cable Tester Kit |

### VFF5 Visual Fault Finder

IDEAL INDUSTRIES, INC.

#### Features

- Finds Breaks, Faulty Splices and Crimps, Poor Components or Connections
- Low-Cost, Basic Fiber Test Tool
- High Output, Class 2, 670nm Laser Diode
- Includes Carrying Case, Lens Cap, Batteries, Lanyard and Instruction Sheet, Rugged, Metal Housing
- 2.5mm Universal Adapter for all ST®, SC and FC Connectors



| Mfg. No. | Advanced ID | Description              |
|----------|-------------|--------------------------|
| VFF5     | 22049071    | VFF5 Visual Fault Finder |



### DSP-4300 CableAnalyzer™

Fluke Networks

The DSP-4300 series is a complete solution for testing, certifying and documenting copper and fiber. Units are built rugged to withstand drops and other mishaps that occur in today's network installation environments. Kit includes Cat 6/5e permanent link adapters with set of PMO6 Cat 6 personality modules, DSP4300 main and remote, LinkWare™ software, 16MB internal memory and multimedia card, PC card reader, two talk sets, two AC adapters/chargers, soft carrying case, quick reference card, RS232 serial cable and RJ45 to BNC adapter cable.



#### Benefits

- Test, Certify and Document Fiber and Copper with Rugged Cable Tester
- Superior Diagnostics Make Troubleshooting Fast and Easy
- Powerful Fiber Test Adapters Perform Dual-Fiber, Dual-Wavelength Fiber Certification
- Easily Manage and Document Copper and Fiber Links with New LinkWare Software

| Mfg. No.                      | Advanced ID     | Description  |
|-------------------------------|-----------------|--|
| <b>Digital Cable Analyzer</b> |                 |  |
| DSP-4300                      | <b>99918649</b> | Cat6/5e Permanent Link Adapters with set of PMO6 Cat 6 Personality Modules |
| DSP-4000                      | <b>98306123</b> | Cat 5e Basic Link Adapters, Cat 6/5e channel adapters                      |
| <b>Accessories</b>            |                 |  |
| LINKWARE                      |                 | LinkWare Software  |
| DSP-LIA101S                   | <b>99708955</b> | Universal Permanent Link Interface Adapter Kit                             |
| DSP-PM06                      | <b>22069513</b> | Cat 6 Centered Personality Module  |
| DSP-FTA430S                   | <b>99682750</b> | Singlemode Fiber Test Adapter  |
| DSP-FTA420S                   | <b>99722403</b> | Multimode Fiber Test Adapter   |

### VisiFault

Fluke Networks



| Mfg. No.  | Advanced ID     | Description  |
|-----------|-----------------|--|
| VisiFault | <b>22128784</b> | Visual Fault Locator with 2.5 mm universal adapter |

### SimpliFiber Optical Loss Test Kits

Fluke Networks



| Mfg. No. | Advanced ID     | Description   |
|----------|-----------------|---|
| FTK400   | <b>25052684</b> | Complete Fiber Verification Kit. Includes Simplifiber Power Meter, 850 / 1300 and 1310, 1550nm SimpliFiber Sources, VisiFault VFL, FT120 Fiber Viewer and Carrying Case |
| FTK300   | <b>25052686</b> | Multimode Fiber Verification Kit. Includes Simplifiber Power Meter, 850 / 1300 SimpliFiber Source, VisiFault VFL, FT120 Fiber Viewer and Carrying Case                  |
| FTK150   | <b>25052687</b> | Basic Fiber Verification Kit. Includes SimpliFiber Power Meter, 850 / 1300 Carrying Case  |
| CIQ-FTK  | <b>25052685</b> | Fiber and Copper Technician Kit. Includes CableIQ IT Advanced Kit (with IntelliTone Probe) and FTK300 Multimode Fiber Verification Kit                                  |

### IntelliTone™ Toner and Probe

Fluke Networks

The IntelliTone Toner and Probe provides advanced signal locating technology. IntelliTone locates and isolates hidden or bundled voice, data and video cables quickly and reliably, even on active networks.



#### Benefits

- Smart Digital Signal Processing Rejects Noise and False Signals
- Audible, Visual Signal Identifier Simplifies Cable Location in Noisy Environments
- Isolates Cable and Wiring within a Bundle, Despite Cable Bleed
- Validates Twisted-Pair Installation with Visual End-to-End Cablemap (Opens, Shorts, and Reversed Pairs)
- Diagnose Essential Cable Information with Polarity, Continuity and Talk Battery

| Mfg. No.   | Advanced ID     | Description   |
|--|-----------------|---|
| MT-8200-60A  | <b>22084767</b> | IntelliTone 200 Toner and Probe Kit                           |
| MT-8200-50A  | <b>22084768</b> | IntelliTone 100 Toner and Probe Kit                           |
| Kits include RJ11 and RJ45 patch cables, test leads with alligator clips, lanyard, CD and quick start guide, (2) 9V batteries. |                 |   |
| <b>Accessories</b>   |                 |   |
| MT-8202-05   | <b>22084774</b> | IntelliTone Case, padded and lined with belt loops and D-ring |
| MT-8203-20   | <b>22084775</b> | Test Leads with Bed of Nails                                  |
| MT-8203-22   | <b>22084776</b> | Test Leads with Alligator Clips                               |

## MicroScanner™ Pro

### Fluke Networks

Tool designed to prevent and solve cable and wire installation problems, such as continuity, wiring configuration and cable faults, saving time and money at every installation.

#### Benefits

- Identifies 10/100 Ethernet with Network Identification Feature
- Measures Cable Length and Distance to Faults via Time Domain Reflectometry (TDR) Technology
- Verifies Twisted Pair, Coax and Bare Wires for Continuity and All Major Mis-wires
- Matches (UTP or Coaxial) Cables to Offices During Adds, Moves and Changes



| Mfg. No.   | Advanced ID     | Description                    |
|--|-----------------|--------------------------------|
| MT-8200-32A  | <b>22084778</b> | MicroScanner Pro               |
| Includes: Wiremap adapter, Coax adapter, 9V battery, user guide  |                 |                                |
| MT-8200-24A  | <b>22084777</b> | MicroScanner Pro VDV Kit       |
| Includes: IntelliTone probe, wiremap adapter, bare wire adapter, room ID kit, 9V battery, quick reference guide and user CD. |                 |                                |
| Accessories  |                 |                                |
| MT-8202-04   | <b>22084784</b> | MicroScanner Pro carrying case |
| MT-8203-15   | <b>22084781</b> | Coax adapter                   |
| MT-8203-17   | <b>22084783</b> | Office/Room ID Kit             |

## Modular Adapters

### Fluke Networks

#### Benefits

- Permits Testing on Working Lines Without Disrupting Service
- Replaceable Test Leads



| Mfg. No. | Advanced ID     | Description                       |
|----------|-----------------|-----------------------------------|
| 10230100 | <b>91014176</b> | In-Line Adapter 8 Detachable Cord |
| 10220100 | <b>91002430</b> | In-Line Adapter 6 Detachable Cord |
| 10210100 | <b>91014177</b> | In-Line Adapter 4 Detachable Cord |
| 10113000 | <b>88083679</b> | Modular Adapter                   |

## TS® 25D Test Set

### Fluke Networks

#### Benefits

- Angled Bed-of-Nails Clips
- Talk Battery for Conversation on Non-Working Pairs
- ADSL Safe



#### Features

- Feature-rich test set with LCD, Caller ID/Call Waiting, data lockout and lockout override
- Tone Generation
- Testing Features
- 1-Way Speakerphone

| Mfg. No. | Advanced ID     | Description  |
|----------|-----------------|--|
| 25501009 | <b>22057704</b> | TS25D Test Set with Angled Bed-Of-Nails Cord             |
| 25501109 | <b>22057706</b> | TS25D Test Set Kit (includes standard headset and pouch) |

## TS® 30 Test Set with ABN Clips

### Fluke Networks

#### Benefits

- Extreme Reliability and Durability
- High Impedance
- Mute Switch and Redial
- Audible Ringer for Call Backs
- Automatic Regulation of Speech Levels
- Designed for Severe Weather Conditions



| Mfg. No. | Advanced ID     | Description                                 |
|----------|-----------------|---|
| 30800001 | <b>99450005</b> | TS30 Test Set with Piercing Pin Cord        |
| 30800009 | <b>97194579</b> | TS30 Test Set with Angled Bed-of-Nails Cord |

## TS® 19 Test Set with ABN Clips

### Fluke Networks

#### Benefits

- High Impedance Data Safe Operation in Monitor Mode
- Tone Pulse Operation
- Last Number Redial
- Polarity Indication in Talk Mode



| Mfg. No. | Advanced ID     | Description                                 |
|----------|-----------------|---|
| 19800003 | <b>91010782</b> | TS19 Test Set with Banana Jacks and Clips   |
| 19800009 | <b>93171506</b> | TS19 Test Set with Angled Bed-of-Nails Cord |

### Telecom Kit I

Fluke Networks

Includes: TS30 test set, D814 impact tool, cable stripper, probe pic, electrician's D-snips, standard modular adapter, Eversharp™ 66/110 cut blade, soft-sided zippered case.



| Mfg. No. | Advanced ID     | Description                                   |
|----------|-----------------|---|
| 11290000 | <b>99880515</b> | Electrical Contractor Telecom Kit I with TS30 |

### Cable Stripper

Fluke Networks

Benefits

- Strips Outer Jacket Off 4-Pair and 25-Pair UTP and STP Phone and Data Cables
- Cuts Round UTP/STP, Flexible Copper Cables up to 12 AWG



| Mfg. No. | Advanced ID     | Description    |
|----------|-----------------|----------------|
| 11230002 | <b>99450247</b> | Cable Stripper |

### Coax Stripper

IDEAL INDUSTRIES, INC.

Features

- Adjustable Coaxial Wire Stripper
- For Popular Dual Crimp BNC and TNC Connectors
- For Popular Dual Crimp BNC/TNC and Thinnet BNC Connectors



| Mfg. No. | Advanced ID     | Description   |
|----------|-----------------|---------------|
| 45-520   | <b>91032611</b> | 3-Step, Black |
| 45-521   | <b>92036159</b> | 3-Step, Brown |

### Coaxial Stripmaster® Wire Stripper

IDEAL INDUSTRIES, INC.

Features

- Spring-Action Operation Grips and Strips in One Motion
- Knife-Type Blades Feature Multiple Hole Diameters Sized for Two Step Removal of Outer Jacket Insulation and Center Conductor
- Specific Blades Strip Specific Cable Sizes



| Mfg. No. | Advanced ID     | Description                    |
|----------|-----------------|--------------------------------|
| 45-262   | <b>89025063</b> | RG-6 Wire Stripper             |
| 45-282   | <b>99434877</b> | RG-6 Quad Shield Wire Stripper |

### Coaxial Stripper

IDEAL INDUSTRIES, INC.

Features

- Adjustable Blades Can Be Set for Any Depth to Help Ensure Nick-Free Strips
- Use with Twisted-Pair Wire, Tightly Wrapped Stranded Cables, CatV Cable, Cb Antenna Cable, SO, SJ, SJT, and Other Types of Flexible Power Cords
- Includes 3 Straight and 1 Round Blade



| Mfg. No. | Advanced ID     | Description                 |
|----------|-----------------|-----------------------------|
| 45-162   | <b>88136113</b> | Up to 1/8 in., Gray         |
| 45-163   | <b>88136114</b> | 1/8 in. to 7/32 in., Blue   |
| 45-164   | <b>88136115</b> | 1/4 in. to 9/16 in., Blue   |
| 45-165   | <b>88136116</b> | 3/16 in. to 5/16 in., Black |

### Crimper

Fluke Networks

Benefits

- All-in-One Crimping Tool for WESS Type 6- and 8-Position Modular Telephone Plugs
- Crimps 8-Position RJ45 Connectors and 4- and 6-Position RJ11 and RJ12 Connectors
- Embedded Flat Cable Cutter and Stripper



| Mfg. No. | Advanced ID     | Description     |
|----------|-----------------|-----------------|
| 11212530 | <b>99450263</b> | Modular Crimper |

### Crimping Pliers

Fluke Networks

Benefits

- UR/UY/UG Crimping Pliers and Needle Nose Pliers Combined
- Wire Stripper Hole
- Built-In Wire Cutter
- Rubber-Coated Handles for Non-Slip Grip



| Mfg. No. | Advanced ID     | Description                  |
|----------|-----------------|------------------------------|
| 11294000 | <b>22054650</b> | Need-L-Lock™ Crimping Pliers |

### D-Impactor™

Fluke Networks

Benefits

- Cuts and Terminates Five Copper Pairs on a 110 Block
- Saves Time and Minimizes Hand Stress
- Eliminates the Chance of Metallic Shorts with Patented Individually Molded Blades



| Mfg. No. | Advanced ID     | Description                          |
|----------|-----------------|--------------------------------------|
| 10059000 | <b>98410579</b> | D-Impactor Five-Pair 110 Impact Tool |
| 10059030 | <b>99880514</b> | Replacement Blade for Impactor Tool  |

### D-Snips™

Fluke Networks

#### Benefits

- Strips 19- and 23-Gauge Wire
- Gives 1½ Times the Cutting Force with Half the Effort
- Ergonomic Handle with File and Scraper on Blades



| Mfg. No. | Advanced ID     | Description                  |
|----------|-----------------|------------------------------|
| 44300000 | <b>99463363</b> | Electrician's D-Snips        |
| 44500000 | <b>99450271</b> | Electrician's Standard Snips |

### D814™ Automatic Impact Tool

Fluke Networks

The D814 automatic impact tool does the work of many tools and saves valuable time with a simple blade change.



| Mfg. No. | Advanced ID     | Description   |
|----------|-----------------|---|
| 10054000 | <b>88084209</b> | D814 Handle   |
| 10055000 | <b>88084210</b> | D814 Handle with EverSharp 66 Cut Blade   |
| 10055110 | <b>94035759</b> | D814 Handle with EverSharp 110 Cut Blade  |
| 10055200 | <b>96076639</b> | D814 Handle with EverSharp 66 and EverSharp 110 Blades  |
| 10055501 | <b>98333923</b> | D814 Promo Pack-Handle with EverSharp 66, EverSharp 110 and Free Wood Screw Starter Punch Blade |
| 10055503 | <b>22054736</b> | D814 Handle with EverSharp 66/110 Cut Blade and BIX Blade                                       |

### D914S™ Soft Touch Impact Tool

Fluke Networks

D914S has all the popular features found in the industry-leading Harris D914, while adding a new ergonomic design that results in improved grip comfort and greatly reduced hand fatigue especially when completing multiple wire terminations.



| Mfg. No.  | Advanced ID     | Description   |
|-----------|-----------------|---|
| 10061-000 | <b>99541499</b> | D914S Handle  |
| 10061-100 | <b>99541501</b> | D914S Handle with EverSharp 66 Cut Blade  |
| 10061-110 | <b>99541518</b> | D914S Handle with EverSharp 110 Cut Blade   |
| 10061-120 | <b>99541522</b> | D914S Handle with EverSharp 66 and EverSharp 110 Blades                               |
| 10061-501 | <b>99501489</b> | D914S Promo Pack - Handle with EverSharp 66, EverSharp 110 and Free Screwdriver Blade |
| 10061-503 | <b>22054734</b> | D914S Handle with EverSharp 66/110 Cut Blade and BIX Blade                            |

### D914™ Automatic Impact Tool

Fluke Networks

The D914 is the industry-standard combination impact and torque tool designed to meet all termination requirements including wiring the 110, 66, Krone and BIX blocks.



#### Benefits

- It is the Only Combination Impact and Torque Tool Designed to Meet all Your Termination Requirements Including Wiring the 110, 66, Krone and BIX Blocks
- Handle is Designed to Accommodate D814 Blades, as Well as the Screwdriver and Adapter Blades

| Mfg. No.  | Advanced ID     | Description  |
|-----------|-----------------|--|
| 10051-000 | <b>95006674</b> | D914 Handle  |
| 10051-100 | <b>98408694</b> | D914 Handle with EverSharp 66 Cut Blade  |
| 10051-110 | <b>98408695</b> | D914 Handle with EverSharp 110 Cut Blade   |
| 10051-120 | <b>96076638</b> | D914 Handle with EverSharp 66 and EverSharp 110 Blades                               |
| 10051-501 | <b>96004291</b> | D914 Promo Pack - Handle with EverSharp 66, EverSharp 110 and Free Screwdriver Blade |

### Data Cable Cutters

IDEAL INDUSTRIES, INC.

#### Features

- Cuts Round Communication Cables up to 0.5 in. (12.7mm) and Coaxial Cable up to RG-9/U
- Curved Cutting Blades Maintain Cable Geometry for Better Cable Performance
- Steel Reinforced Center Conductors can be Trimmed with Bolt Cutting Holes
- Cushioned Comfort Grip Handles
- Locking Latch Keeps Tool Closed in Pouch



| Mfg. No. | Advanced ID     | Description   |
|----------|-----------------|---|
| 45-074   | <b>97126329</b> | Data T-Cutter, cuts RG-6, RG-8, RG-11, RG-58, RG-59, RG-62, RG-175 wire/cable size    |
| 45-075   | <b>97122978</b> | Data T-Cutter II, cuts RG-6, RG-8, RG-11, RG-58, RG-59, RG-62, RG-176 wire/cable size |

### Data Cable Stripper

IDEAL INDUSTRIES, INC.

#### Features

- Fast, Easy Removal of Outer Insulation from All Unshielded Twisted Pair, Shielded Twisted Pair and Multicore Cables
- Works on PVC and Plenum



| Mfg. No. | Advanced ID     | Description  |
|----------|-----------------|--|
| 45-514   | <b>92124215</b> | Data Cable Stripper for Unshielded and Shielded Twisted Pair |