

ILSCO®


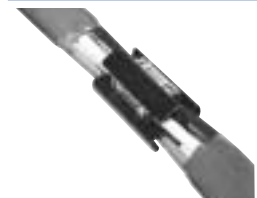




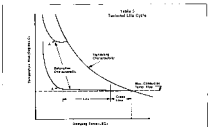
125 YEARS
SINCE 1894

connections matter



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| | | | |
|--|--|---|---|
| | <h2>Compression</h2> | <p>A Complete Line for Copper and Aluminum Conductors</p> <ul style="list-style-type: none"> • Lugs • Taps • Splices • Custom Products | <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center; font-weight: bold; font-size: 24px;">A</div> <p>1 - 97</p> |
| | <h2>ILSCONS</h2> | <p>For Copper and Aluminum Conductors</p> <ul style="list-style-type: none"> • Crimp 'N Seal® • Insulated and Non-Insulated Terminals • Cool Seal® | <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center; font-weight: bold; font-size: 24px;">A1</div> <p>98 - 141</p> |
| | <h2>Split Bolts</h2> | <p>For Copper and Aluminum Conductors</p> <ul style="list-style-type: none"> • Split Bolts • Two Bolt Clamps • Labor Saving Alternative Products | <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center; font-weight: bold; font-size: 24px;">B</div> <p>142 - 160</p> |
| | <h2>Mechanical</h2> | <p>A Complete Line for Copper and Aluminum Conductors</p> <ul style="list-style-type: none"> • Lugs • Taps • Splices • Custom Products | <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center; font-weight: bold; font-size: 24px;">C</div> <p>161 - 275</p> |
| | <h2>Insulated Mechanical including NIMBUS</h2> | <ul style="list-style-type: none"> • Multi-tap and splicer reducer connectors • Broad wire range reduces inventory requirements • Insulating covers eliminate need to tape | <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center; font-weight: bold; font-size: 24px;">D</div> <p>276 - 297</p> |
| | <h2>Insulation Piercing</h2> | <p>Labor Saving Products</p> <ul style="list-style-type: none"> • Taps • Splices | <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center; font-weight: bold; font-size: 24px;">E</div> <p>298 - 299</p> |
| | <h2>Power Distribution Blocks</h2> | <ul style="list-style-type: none"> • Modular Types • One, Two and 3 Poles • Custom Products | <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center; font-weight: bold; font-size: 24px;">F</div> <p>300 - 321</p> |
| | <h2>Grounding</h2> | <ul style="list-style-type: none"> • Overhead • Underground • Copper and Aluminum | <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center; font-weight: bold; font-size: 24px;">G</div> <p>322 - 392</p> |












































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|  | Specialty | <ul style="list-style-type: none">• Oxide Inhibitor• Duct Seal• Neutral Bars | K 497 - 523 |
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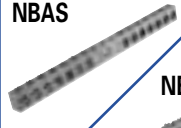

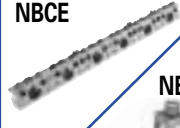


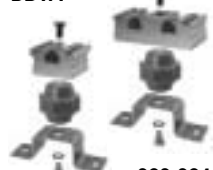
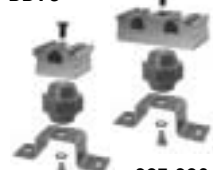






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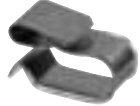
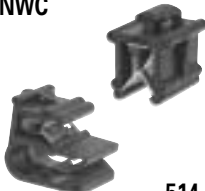

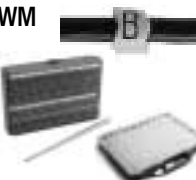



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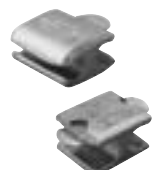

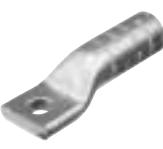










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Compression

| | | | | | |
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| <p>2IACL</p>  <p>79</p> | <p>UCS</p>  <p>80</p> | <p>PICS</p>  <p>81</p> | <p>P840</p>  <p>82</p> | <p>AH</p>  <p>83</p> | |
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TYPE CSWS

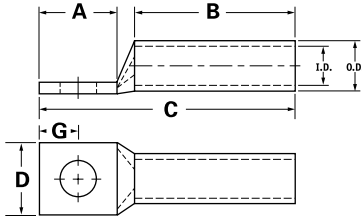
Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG, #8 - #2 SOL
- For direct bury 500 kcmil - 10
- Rated to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements
- For grounding and bonding applications

A



| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Bolt Size | Stud Hole Dia. | Dimensions | | | | | Die Color Code | Die Index | O.D. | I.D. |
|----------------|-----------|-----------------|----------------------|-----------|----------------|------------|-------|-------|-------|-------|----------------|-----------|-------|-------|
| | | | | | | A | B | C | D | G | | | | |
| CSWS-8-10 | #8 AWG | #8 FLEX, #8 SOL | - | 10 | 0.219 | 0.562 | 0.500 | 1.257 | 0.374 | 0.258 | Red | I-21 | 0.272 | 0.179 |
| CSWS-8-14 | #8 AWG | #8 FLEX, #8 SOL | - | 1/4 | 0.281 | 0.680 | 0.500 | 1.375 | 0.486 | 0.320 | Red | I-21 | 0.272 | 0.179 |
| CSWS-8-516 | #8 AWG | #8 FLEX, #8 SOL | - | 5/16 | 0.343 | 0.875 | 0.500 | 1.570 | 0.532 | 0.352 | Red | I-21 | 0.272 | 0.179 |
| CSWS-8-38 | #8 AWG | #8 FLEX, #8 SOL | - | 3/8 | 0.406 | 0.875 | 0.500 | 1.570 | 0.593 | 0.414 | Red | I-21 | 0.272 | 0.179 |
| CSWS-6-10 | #6 AWG | #6 FLEX, #6 SOL | - | 10 | 0.219 | 0.562 | 0.500 | 1.257 | 0.440 | 0.258 | Blue | I-24 | 0.320 | 0.225 |
| CSWS-6-14 | #6 AWG | #6 FLEX, #6 SOL | - | 1/4 | 0.281 | 0.680 | 0.500 | 1.375 | 0.440 | 0.320 | Blue | I-24 | 0.320 | 0.225 |
| CSWS-6-516 | #6 AWG | #6 FLEX, #6 SOL | - | 5/16 | 0.343 | 0.875 | 0.500 | 1.570 | 0.530 | 0.352 | Blue | I-24 | 0.320 | 0.225 |
| CSWS-6-38 | #6 AWG | #6 FLEX, #6 SOL | - | 3/8 | 0.406 | 0.875 | 0.500 | 1.570 | 0.598 | 0.414 | Blue | I-24 | 0.320 | 0.225 |
| CSWS-6-12 | #6 AWG | #6 FLEX, #6 SOL | - | 1/2 | 0.562 | 1.250 | 0.500 | 1.945 | 0.755 | 0.546 | Blue | I-24 | 0.320 | 0.225 |
| CSWS-4-10 | #4 AWG | #4 SOL | 4-6 AWG | 10 | 0.219 | 0.562 | 0.500 | 1.296 | 0.486 | 0.258 | Gray | I-29 | 0.343 | 0.250 |
| CSWS-4-14 | #4 AWG | #4 SOL | 4-6 AWG | 1/4 | 0.281 | 0.680 | 0.500 | 1.414 | 0.486 | 0.320 | Gray | I-29 | 0.343 | 0.250 |
| CSWS-4-516 | #4 AWG | #4 SOL | 4-6 AWG | 5/16 | 0.343 | 0.875 | 0.500 | 1.609 | 0.486 | 0.352 | Gray | I-29 | 0.343 | 0.250 |
| CSWS-4-38 | #4 AWG | #4 SOL | 4-6 AWG | 3/8 | 0.406 | 0.875 | 0.500 | 1.609 | 0.593 | 0.414 | Gray | I-29 | 0.343 | 0.250 |
| CSWS-4-12 | #4 AWG | #4 SOL | 4-6 AWG | 1/2 | 0.562 | 1.250 | 0.500 | 1.984 | 0.750 | 0.546 | Gray | I-29 | 0.343 | 0.250 |
| CSWS-3-10 | #3 AWG | #4 FLEX | 3-6 AWG | 10 | 0.219 | 0.562 | 0.625 | 1.442 | 0.532 | 0.258 | White | I-29 | 0.375 | 0.275 |
| CSWS-3-14 | #3 AWG | #4 FLEX | 3-6 AWG | 1/4 | 0.281 | 0.680 | 0.625 | 1.560 | 0.532 | 0.320 | White | I-29 | 0.375 | 0.275 |
| CSWS-3-516 | #3 AWG | #4 FLEX | 3-6 AWG | 5/16 | 0.343 | 0.875 | 0.625 | 1.755 | 0.532 | 0.352 | White | I-29 | 0.375 | 0.275 |
| CSWS-3-38 | #3 AWG | #4 FLEX | 3-6 AWG | 3/8 | 0.406 | 0.875 | 0.625 | 1.755 | 0.593 | 0.414 | White | I-29 | 0.375 | 0.275 |
| CSWS-3-12 | #3 AWG | #4 FLEX | 3-6 AWG | 1/2 | 0.562 | 1.250 | 0.625 | 2.130 | 0.750 | 0.546 | White | I-29 | 0.375 | 0.275 |
| CSWS-2-10 | #2 AWG | #2 SOL | 2-6 AWG | 10 | 0.219 | 0.562 | 0.625 | 1.473 | 0.599 | 0.258 | Brown | I-33 | 0.421 | 0.312 |
| CSWS-2-14 | #2 AWG | #2 SOL | 2-6 AWG | 1/4 | 0.281 | 0.680 | 0.625 | 1.591 | 0.599 | 0.320 | Brown | I-33 | 0.421 | 0.312 |
| CSWS-2-516 | #2 AWG | #2 SOL | 2-6 AWG | 5/16 | 0.343 | 0.875 | 0.625 | 1.786 | 0.599 | 0.352 | Brown | I-33 | 0.421 | 0.312 |
| CSWS-2-38 | #2 AWG | #2 SOL | 2-6 AWG | 3/8 | 0.406 | 0.875 | 0.625 | 1.786 | 0.599 | 0.414 | Brown | I-33 | 0.421 | 0.312 |
| CSWS-2-12 | #2 AWG | #2 SOL | 2-6 AWG | 1/2 | 0.562 | 1.250 | 0.625 | 2.161 | 0.750 | 0.546 | Brown | I-33 | 0.421 | 0.312 |
| CSWS-1-10 | #1 AWG | #2 FLEX | 1-6 AWG | 10 | 0.219 | 0.562 | 0.625 | 1.517 | 0.673 | 0.258 | Green | I-37 | 0.468 | 0.359 |
| CSWS-1-14 | #1 AWG | #2 FLEX | 1-6 AWG | 1/4 | 0.281 | 0.875 | 0.625 | 1.830 | 0.673 | 0.320 | Green | I-37 | 0.468 | 0.359 |
| CSWS-1-516 | #1 AWG | #2 FLEX | 1-6 AWG | 5/16 | 0.343 | 0.875 | 0.625 | 1.830 | 0.673 | 0.352 | Green | I-37 | 0.468 | 0.359 |
| CSWS-1-38 | #1 AWG | #2 FLEX | 1-6 AWG | 3/8 | 0.406 | 0.875 | 0.625 | 1.830 | 0.673 | 0.414 | Green | I-37 | 0.468 | 0.359 |
| CSWS-1-12 | #1 AWG | #2 FLEX | 1-6 AWG | 1/2 | 0.562 | 1.250 | 0.625 | 2.205 | 0.750 | 0.546 | Green | I-37 | 0.468 | 0.359 |
| CSWS-1/0-10 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 10 | 0.219 | 0.562 | 0.750 | 1.668 | 0.738 | 0.258 | Pink | I-42 | 0.515 | 0.390 |
| CSWS-1/0-14 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 1/4 | 0.281 | 0.875 | 0.750 | 1.981 | 0.738 | 0.320 | Pink | I-42 | 0.515 | 0.390 |
| CSWS-1/0-516 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 5/16 | 0.343 | 0.875 | 0.750 | 1.981 | 0.738 | 0.352 | Pink | I-42 | 0.515 | 0.390 |
| CSWS-1/0-38 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 3/8 | 0.406 | 0.875 | 0.750 | 1.981 | 0.738 | 0.414 | Pink | I-42 | 0.515 | 0.390 |
| CSWS-1/0-12 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 1/2 | 0.562 | 1.250 | 0.750 | 2.356 | 0.738 | 0.546 | Pink | I-42 | 0.515 | 0.390 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools

See pages 87 to 97 for complete tooling information.

For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg.

Tested to UL 486A/B, UL File E6207

A

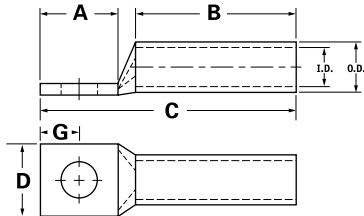
TYPE CSWS

Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG , #8 - #2 SOL
- For direct bury 500 kcmil - 10
- Rated to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements
- For grounding and bonding applications



| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Bolt Size | Stud Hole Dia. | Dimensions | | | | | Die Color Code | Die Index | O.D. | I.D. |
|----------------|-----------|---------------------------------|----------------------|-----------|----------------|------------|-------|-------|-------|-------|----------------|-----------|-------|-------|
| | | | | | | A | B | C | D | G | | | | |
| CSWS-2/0-10 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 10 | 0.219 | 0.562 | 0.750 | 1.708 | 0.811 | 0.258 | Black | I-45 | 0.562 | 0.437 |
| CSWS-2/0-14 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 1/4 | 0.281 | 0.875 | 0.750 | 2.021 | 0.811 | 0.320 | Black | I-45 | 0.562 | 0.437 |
| CSWS-2/0-516 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 5/16 | 0.343 | 0.875 | 0.750 | 2.021 | 0.811 | 0.352 | Black | I-45 | 0.562 | 0.437 |
| CSWS-2/0-38 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 3/8 | 0.406 | 0.875 | 0.750 | 2.021 | 0.811 | 0.414 | Black | I-45 | 0.562 | 0.437 |
| CSWS-2/0-12 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 1/2 | 0.562 | 1.250 | 0.750 | 2.396 | 0.811 | 0.546 | Black | I-45 | 0.562 | 0.437 |
| CSWS-3/0-10 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 10 | 0.219 | 0.562 | 0.750 | 1.751 | 0.885 | 0.258 | Orange | I-50 | 0.609 | 0.484 |
| CSWS-3/0-14 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 1/4 | 0.281 | 0.875 | 0.750 | 2.064 | 0.885 | 0.320 | Orange | I-50 | 0.609 | 0.484 |
| CSWS-3/0-516 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 5/16 | 0.343 | 0.875 | 0.750 | 2.064 | 0.885 | 0.352 | Orange | I-50 | 0.609 | 0.484 |
| CSWS-3/0-38 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 3/8 | 0.406 | 0.875 | 0.750 | 2.064 | 0.885 | 0.414 | Orange | I-50 | 0.609 | 0.484 |
| CSWS-3/0-12 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 1/2 | 0.562 | 1.250 | 0.750 | 2.439 | 0.885 | 0.546 | Orange | I-50 | 0.609 | 0.484 |
| CSWS-4/0-14 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 1/4 | 0.281 | 0.875 | 0.875 | 2.241 | 0.999 | 0.320 | Purple | I-54 | 0.687 | 0.546 |
| CSWS-4/0-516 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 5/16 | 0.343 | 0.875 | 0.875 | 2.241 | 0.999 | 0.352 | Purple | I-54 | 0.687 | 0.546 |
| CSWS-4/0-38 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 3/8 | 0.406 | 0.875 | 0.875 | 2.241 | 0.999 | 0.414 | Purple | I-54 | 0.687 | 0.546 |
| CSWS-4/0-12 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 1/2 | 0.562 | 1.250 | 0.875 | 2.616 | 0.999 | 0.546 | Purple | I-54 | 0.687 | 0.546 |
| CSWS-250-516 | 250kcmil | 4/0 FLEX | 250kcmil - 1/0 AWG | 5/16 | 0.343 | 0.875 | 1.063 | 2.469 | 1.088 | 0.352 | Yellow | I-62 | 0.750 | 0.593 |
| CSWS-250-38 | 250kcmil | 4/0 FLEX | 250kcmil - 1/0 AWG | 3/8 | 0.406 | 0.875 | 1.063 | 2.469 | 1.088 | 0.414 | Yellow | I-62 | 0.750 | 0.593 |
| CSWS-250-12 | 250kcmil | 4/0 FLEX | 250kcmil - 1/0 AWG | 1/2 | 0.562 | 1.250 | 1.063 | 2.844 | 1.088 | 0.546 | Yellow | I-62 | 0.750 | 0.593 |
| CSWS-300-516 | 300kcmil | 250 G,H FLEX | 300kcmil - 2/0 AWG | 5/16 | 0.343 | 0.875 | 1.063 | 2.525 | 1.189 | 0.352 | White | I-66 | 0.812 | 0.660 |
| CSWS-300-38 | 300kcmil | 250 G,H FLEX | 300kcmil - 2/0 AWG | 3/8 | 0.406 | 0.875 | 1.063 | 2.525 | 1.189 | 0.414 | White | I-66 | 0.812 | 0.660 |
| CSWS-300-12 | 300kcmil | 250 G,H FLEX | 300kcmil - 2/0 AWG | 1/2 | 0.562 | 1.250 | 1.063 | 2.900 | 1.189 | 0.546 | White | I-66 | 0.812 | 0.660 |
| CSWS-300-58 | 300kcmil | 250 G,H FLEX | 300kcmil - 2/0 AWG | 5/8 | 0.656 | 1.437 | 1.063 | 3.087 | 1.189 | 0.671 | White | I-66 | 0.812 | 0.660 |
| CSWS-350-38 | 350kcmil | 250 I,K,M FLEX 262.2 DLO | 350kcmil - 3/0 AWG | 3/8 | 0.406 | 0.875 | 1.063 | 2.561 | 1.291 | 0.414 | Red | I-71 | 0.890 | 0.703 |
| CSWS-350-12 | 350kcmil | 250 I,K,M FLEX 262.2 DLO | 350kcmil - 3/0 AWG | 1/2 | 0.562 | 1.250 | 1.063 | 2.936 | 1.291 | 0.546 | Red | I-71 | 0.890 | 0.703 |
| CSWS-350-58 | 350kcmil | 250 I,K,M FLEX 262.2 DLO | 350kcmil - 3/0 AWG | 5/8 | 0.656 | 1.437 | 1.063 | 3.123 | 1.291 | 0.671 | Red | I-71 | 0.890 | 0.703 |
| CSWS-400-38 | 400kcmil | 300 G,H,I,K,M FLEX 313.1 DLO | 400kcmil - 4/0 AWG | 3/8 | 0.406 | 0.875 | 1.188 | 2.730 | 1.365 | 0.414 | Blue | I-76 | 0.937 | 0.750 |
| CSWS-400-12 | 400kcmil | 300 G,H,I,K,M FLEX 313.1 DLO | 400kcmil - 4/0 AWG | 1/2 | 0.562 | 1.250 | 1.188 | 3.105 | 1.365 | 0.546 | Blue | I-76 | 0.937 | 0.750 |
| CSWS-400-58 | 400kcmil | 300 G,H,I,K,M FLEX 313.1 DLO | 400kcmil - 4/0 AWG | 5/8 | 0.656 | 1.437 | 1.188 | 3.292 | 1.365 | 0.671 | Blue | I-76 | 0.937 | 0.750 |

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* When installed with specified dieless tools

See pages 87 to 97 for complete tooling information.

For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg.

Tested to UL 486A/B, UL File E6207

TYPE CSWS

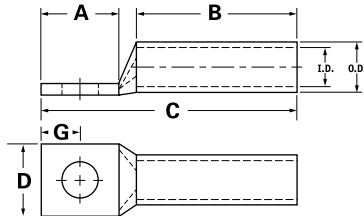
Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG , #8 - #2 SOL
- For direct bury 500 kcmil - 10
- Rated to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements

A



| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Bolt Size | Stud Hole Dia. | Dimensions | | | | | Die Color Code | Die Index | O.D. | I.D. |
|----------------|-----------|------------------------------|----------------------|-----------|----------------|------------|-------|-------|-------|-------|----------------|-----------|-------|-------|
| | | | | | | A | B | C | D | G | | | | |
| CSWS-500-38 | 500kcmil | 350 G,H,I,K,M FLEX 373.7 DLO | 500kcmil - 250kcmil | 3/8 | 0.406 | 0.875 | 1.300 | 2.907 | 1.535 | 0.546 | Brown | I-87 | 1.062 | 0.828 |
| CSWS-500-12 | 500kcmil | 350 G,H,I,K,M FLEX 373.7 DLO | 500kcmil - 250kcmil | 1/2 | 0.562 | 1.250 | 1.300 | 3.282 | 1.535 | 0.414 | Brown | I-87 | 1.062 | 0.828 |
| CSWS-500-58 | 500kcmil | 350 G,H,I,K,M FLEX 373.7 DLO | 500kcmil - 250kcmil | 5/8 | 0.656 | 1.437 | 1.300 | 3.469 | 1.535 | 0.671 | Brown | I-87 | 1.062 | 0.828 |
| CSWS-600-38 | 600kcmil | 400 G,H,I,K,M FLEX 444.4 DLO | 600kcmil - 250kcmil | 3/8 | 0.406 | 0.875 | 1.375 | 3.059 | 1.712 | 0.414 | Green | I-94 | 1.187 | 0.920 |
| CSWS-600-12 | 600kcmil | 400 G,H,I,K,M FLEX 444.4 DLO | 600kcmil - 250kcmil | 1/2 | 0.562 | 1.250 | 1.375 | 3.434 | 1.712 | 0.546 | Green | I-94 | 1.187 | 0.920 |
| CSWS-600-58 | 600kcmil | 400 G,H,I,K,M FLEX 444.4 DLO | 600kcmil - 250kcmil | 5/8 | 0.656 | 1.437 | 1.375 | 3.621 | 1.712 | 0.671 | Green | I-94 | 1.187 | 0.920 |
| CSWS-650-516 | 650kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 650kcmil - 350kcmil | 5/16 | 0.343 | 0.875 | 1.375 | 3.119 | 1.764 | 0.352 | Pink | I-99 | 1.217 | 0.958 |
| CSWS-650-38 | 650kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 650kcmil - 350kcmil | 3/8 | 0.406 | 0.875 | 1.375 | 3.119 | 1.764 | 0.414 | Pink | I-99 | 1.217 | 0.958 |
| CSWS-650-12 | 650kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 650kcmil - 350kcmil | 1/2 | 0.562 | 1.25 | 1.375 | 3.494 | 1.764 | 0.546 | Pink | I-99 | 1.217 | 0.958 |
| CSWS-650-58 | 650kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 650kcmil - 350kcmil | 5/8 | 0.656 | 1.437 | 1.375 | 3.681 | 1.764 | 0.671 | Pink | I-99 | 1.217 | 0.958 |
| CSWS-700-38 | 700kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 700kcmil - 350kcmil | 3/8 | 0.406 | 0.875 | 1.375 | 3.119 | 1.816 | 0.414 | Pink | I-99 | 1.250 | 0.991 |
| CSWS-700-12 | 700kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 700kcmil - 350kcmil | 1/2 | 0.562 | 1.250 | 1.375 | 3.494 | 1.816 | 0.546 | Pink | I-99 | 1.250 | 0.991 |
| CSWS-700-58 | 700kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 700kcmil - 350kcmil | 5/8 | 0.656 | 1.437 | 1.375 | 3.681 | 1.816 | 0.671 | Pink | I-99 | 1.250 | 0.991 |
| CSWS-750-38 | 750kcmil | 600 G,H,I,K,M FLEX 646.4 DLO | 750 kcmil - 500kcmil | 3/8 | 0.406 | 0.875 | 1.500 | 3.277 | 1.901 | 0.414 | Black | I-106 | 1.313 | 1.031 |
| CSWS-750-12 | 750kcmil | 600 G,H,I,K,M FLEX 646.4 DLO | 750kcmil - 500kcmil | 1/2 | 0.562 | 1.250 | 1.500 | 3.652 | 1.901 | 0.546 | Black | I-106 | 1.313 | 1.031 |
| CSWS-750-58 | 750kcmil | 600 G,H,I,K,M FLEX 646.4 DLO | 750kcmil - 500kcmil | 5/8 | 0.656 | 1.437 | 1.500 | 3.839 | 1.901 | 0.671 | Black | I-106 | 1.313 | 1.031 |
| CSWS-1000-38 | 1000kcmil | 750 G,H,I FLEX 777.7 DLO | 1000kcmil - 750kcmil | 3/8 | 0.406 | 0.875 | 1.625 | 3.525 | 2.169 | 0.414 | White | I-125 | 1.500 | 1.172 |
| CSWS-1000-12 | 1000kcmil | 750 G,H,I FLEX 777.7 DLO | 1000kcmil - 750kcmil | 1/2 | 0.562 | 1.250 | 1.625 | 3.900 | 2.169 | 0.546 | White | I-125 | 1.500 | 1.172 |
| CSWS-1000-58 | 1000kcmil | 750 G,H,I FLEX 777.7 DLO | 1000kcmil - 750kcmil | 5/8 | 0.656 | 1.437 | 1.625 | 4.087 | 2.169 | 0.671 | White | I-125 | 1.500 | 1.172 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools

See pages 87 to 97 for complete tooling information.

For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg.

Tested to UL 486A/B, UL File E6207

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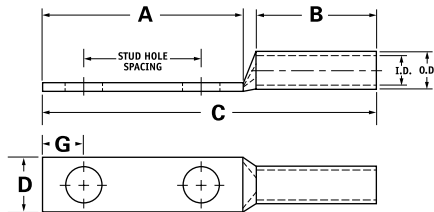
TYPE CSWD

Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG , #8 - #2 SOL
- For direct bury 500 kcmil - 10
- Rated to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements
- For grounding and bonding applications



| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Bolt Size | Stud Hole Dia. | Stud Hole Spacing | Dimensions | | | | | Die Color Code | Die Index | O.D. | I.D. |
|----------------|-----------|-----------------|----------------------|-----------|----------------|-------------------|------------|-------|-------|-------|-------|----------------|-----------|-------|-------|
| | | | | | | | A | B | C | D | G | | | | |
| CSWD-8-10-58 | #8 AWG | #8 FLEX, #8 SOL | - | 10 | 0.219 | 0.625 | 1.250 | 0.500 | 1.945 | 0.374 | 0.258 | Red | I-21 | 0.272 | 0.179 |
| CSWD-8-10-34 | #8 AWG | #8 FLEX, #8 SOL | - | 10 | 0.219 | 0.750 | 1.437 | 0.500 | 2.132 | 0.374 | 0.258 | Red | I-21 | 0.272 | 0.179 |
| CSWD-8-14-58 | #8 AWG | #8 FLEX, #8 SOL | - | 1/4 | 0.281 | 0.625 | 1.437 | 0.500 | 2.132 | 0.486 | 0.320 | Red | I-21 | 0.272 | 0.179 |
| CSWD-8-14-34 | #8 AWG | #8 FLEX, #8 SOL | - | 1/4 | 0.281 | 0.750 | 1.437 | 0.500 | 2.132 | 0.486 | 0.320 | Red | I-21 | 0.272 | 0.179 |
| CSWD-8-14-1 | #8 AWG | #8 FLEX, #8 SOL | - | 1/4 | 0.281 | 1.000 | 1.687 | 0.500 | 2.382 | 0.486 | 0.320 | Red | I-21 | 0.272 | 0.179 |
| CSWD-8-38-1 | #8 AWG | #8 FLEX, #8 SOL | - | 3/8 | 0.406 | 1.000 | 1.937 | 0.500 | 2.632 | 0.593 | 0.414 | Red | I-21 | 0.272 | 0.179 |
| CSWD-6-10-12 | #6 AWG | #6 FLEX, #6 SOL | - | 10 | 0.219 | 0.500 | 1.250 | 0.500 | 1.945 | 0.440 | 0.258 | Blue | I-24 | 0.320 | 0.225 |
| CSWD-6-10-58 | #6 AWG | #6 FLEX, #6 SOL | - | 10 | 0.219 | 0.625 | 1.250 | 0.500 | 1.945 | 0.440 | 0.258 | Blue | I-24 | 0.320 | 0.225 |
| CSWD-6-10-1116 | #6 AWG | #6 FLEX, #6 SOL | - | 10 | 0.219 | 0.687 | 1.250 | 0.500 | 1.945 | 0.440 | 0.258 | Blue | I-24 | 0.320 | 0.225 |
| CSWD-6-10-34 | #6 AWG | #6 FLEX, #6 SOL | - | 10 | 0.219 | 0.750 | 1.437 | 0.500 | 2.132 | 0.440 | 0.258 | Blue | I-24 | 0.320 | 0.225 |
| CSWD-6-14-12 | #6 AWG | #6 FLEX, #6 SOL | - | 1/4 | 0.281 | 0.500 | 1.250 | 0.500 | 1.945 | 0.440 | 0.320 | Blue | I-24 | 0.320 | 0.225 |
| CSWD-6-14-58 | #6 AWG | #6 FLEX, #6 SOL | - | 1/4 | 0.281 | 0.625 | 1.437 | 0.500 | 2.132 | 0.440 | 0.320 | Blue | I-24 | 0.320 | 0.225 |
| CSWD-6-14-34 | #6 AWG | #6 FLEX, #6 SOL | - | 1/4 | 0.281 | 0.750 | 1.437 | 0.500 | 2.132 | 0.440 | 0.320 | Blue | I-24 | 0.320 | 0.225 |
| CSWD-6-14-1 | #6 AWG | #6 FLEX, #6 SOL | - | 1/4 | 0.281 | 1.000 | 1.687 | 0.500 | 2.382 | 0.440 | 0.320 | Blue | I-24 | 0.320 | 0.225 |
| CSWD-6-516-34 | #6 AWG | #6 FLEX, #6 SOL | - | 5/16 | 0.343 | 0.750 | 1.687 | 0.500 | 2.382 | 0.530 | 0.352 | Blue | I-24 | 0.320 | 0.225 |
| CSWD-6-516-1 | #6 AWG | #6 FLEX, #6 SOL | - | 5/16 | 0.343 | 1.000 | 1.937 | 0.500 | 2.632 | 0.530 | 0.352 | Blue | I-24 | 0.320 | 0.225 |
| CSWD-6-38-34 | #6 AWG | #6 FLEX, #6 SOL | - | 3/8 | 0.406 | 0.750 | 1.687 | 0.500 | 2.382 | 0.598 | 0.414 | Blue | I-24 | 0.320 | 0.225 |
| CSWD-6-38-78 | #6 AWG | #6 FLEX, #6 SOL | - | 3/8 | 0.406 | 0.875 | 1.937 | 0.500 | 2.632 | 0.598 | 0.414 | Blue | I-24 | 0.320 | 0.225 |
| CSWD-6-38-1 | #6 AWG | #6 FLEX, #6 SOL | - | 3/8 | 0.406 | 1.000 | 1.937 | 0.500 | 2.632 | 0.598 | 0.414 | Blue | I-24 | 0.320 | 0.225 |
| CSWD-6-12-134 | #6 AWG | #6 FLEX, #6 SOL | - | 1/2 | 0.562 | 1.750 | 3.000 | 0.500 | 3.695 | 0.755 | 0.546 | Blue | I-24 | 0.320 | 0.225 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools

See pages 87 to 97 for complete tooling information.

For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg.

Tested to UL 486A/B, UL File E6207

TYPE CSWD

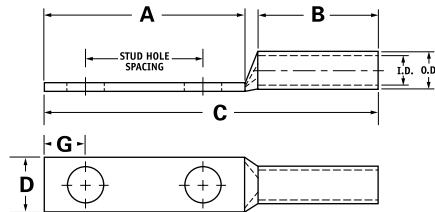
Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG , #8 - #2 SOL
- For direct bury 500 kcmil - 10
- Rated to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements
- For grounding and bonding applications

A



| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Bolt Size | Stud Hole Dia. | Stud Hole Spacing | Dimensions | | | | | Die Color Code | Die Index | O.D. | I.D. |
|----------------|-----------|---------------|----------------------|-----------|----------------|-------------------|------------|-------|-------|-------|-------|----------------|-----------|-------|-------|
| | | | | | | | A | B | C | D | G | | | | |
| CSWD-4-10-58 | #4 AWG | #4 SOL | 4-6 AWG | 10 | 0.219 | 0.625 | 1.250 | 0.500 | 1.984 | 0.486 | 0.258 | Gray | I-29 | 0.343 | 0.250 |
| CSWD-4-10-34 | #4 AWG | #4 SOL | 4-6 AWG | 10 | 0.219 | 0.750 | 1.437 | 0.500 | 2.171 | 0.486 | 0.258 | Gray | I-29 | 0.343 | 0.250 |
| CSWD-4-10-1 | #4 AWG | #4 SOL | 4-6 AWG | 10 | 0.219 | 1.000 | 1.687 | 0.500 | 2.421 | 0.486 | 0.258 | Gray | I-29 | 0.343 | 0.250 |
| CSWD-4-14-58 | #4 AWG | #4 SOL | 4-6 AWG | 1/4 | 0.281 | 0.625 | 1.437 | 0.500 | 2.171 | 0.486 | 0.320 | Gray | I-29 | 0.343 | 0.250 |
| CSWD-4-14-34 | #4 AWG | #4 SOL | 4-6 AWG | 1/4 | 0.281 | 0.750 | 1.437 | 0.500 | 2.171 | 0.486 | 0.320 | Gray | I-29 | 0.343 | 0.250 |
| CSWD-4-14-1 | #4 AWG | #4 SOL | 4-6 AWG | 1/4 | 0.281 | 1.000 | 1.687 | 0.500 | 2.421 | 0.486 | 0.320 | Gray | I-29 | 0.343 | 0.250 |
| CSWD-4-516-1 | #4 AWG | #4 SOL | 4-6 AWG | 1/4 | 0.343 | 1.000 | 1.937 | 0.500 | 2.671 | 0.486 | 0.320 | Gray | I-29 | 0.343 | 0.250 |
| CSWD-4-38-34 | #4 AWG | #4 SOL | 4-6 AWG | 3/8 | 0.406 | 0.750 | 1.687 | 0.500 | 2.421 | 0.593 | 0.414 | Gray | I-29 | 0.343 | 0.250 |
| CSWD-4-38-1 | #4 AWG | #4 SOL | 4-6 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 0.500 | 2.671 | 0.593 | 0.414 | Gray | I-29 | 0.343 | 0.250 |
| CSWD-4-12-134 | #4 AWG | #4 SOL | 4-6 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 0.500 | 3.734 | 0.750 | 0.546 | Gray | I-29 | 0.343 | 0.250 |
| CSWD-3-14-58 | #3 AWG | #4 FLEX | 3-6 AWG | 1/4 | 0.281 | 0.625 | 1.437 | 0.625 | 2.317 | 0.532 | 0.320 | White | I-29 | 0.375 | 0.275 |
| CSWD-3-14-34 | #3 AWG | #4 FLEX | 3-6 AWG | 1/4 | 0.281 | 0.750 | 1.437 | 0.625 | 2.317 | 0.532 | 0.320 | White | I-29 | 0.375 | 0.275 |
| CSWD-3-516-1 | #3 AWG | #4 FLEX | 3-6 AWG | 5/16 | 0.343 | 1.000 | 1.937 | 0.625 | 2.817 | 0.532 | 0.352 | White | I-29 | 0.375 | 0.275 |
| CSWD-3-38-34 | #3 AWG | #4 FLEX | 3-6 AWG | 3/8 | 0.406 | 0.750 | 1.687 | 0.625 | 2.567 | 0.593 | 0.414 | White | I-29 | 0.375 | 0.275 |
| CSWD-3-38-1 | #3 AWG | #4 FLEX | 3-6 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 0.625 | 2.817 | 0.593 | 0.414 | White | I-29 | 0.375 | 0.275 |
| CSWD-3-12-134 | #3 AWG | #4 FLEX | 3-6 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 0.625 | 3.880 | 0.750 | 0.546 | White | I-29 | 0.375 | 0.275 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools

See pages 87 to 97 for complete tooling information.

For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg.

Tested to UL 486A/B, UL File E6207

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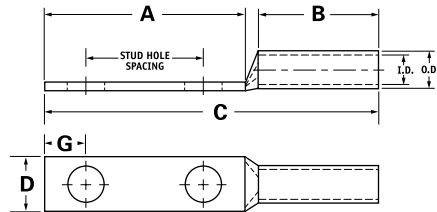
TYPE CSWD

Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG , #8 - #2 SOL
- For direct bury 500 kcmil - 10
- Rated to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements
- For grounding and bonding applications



| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Bolt Size | Stud Hole Dia. | Stud Hole Spacing | Dimensions | | | | | Die Color Code | Die Index | O.D. | I.D. |
|-----------------|-----------|---------------|----------------------|-----------|----------------|-------------------|------------|-------|-------|-------|-------|----------------|-----------|-------|-------|
| | | | | | | | A | B | C | D | G | | | | |
| CSWD-2-10-34 | #2 AWG | #2 SOL | 2-6 AWG | 10 | 0.219 | 0.750 | 1.437 | 0.625 | 2.348 | 0.599 | 0.258 | Brown | I-33 | 0.421 | 0.312 |
| CSWD-2-14-58 | #2 AWG | #2 SOL | 2-6 AWG | 1/4 | 0.281 | 0.625 | 1.437 | 0.625 | 2.348 | 0.599 | 0.320 | Brown | I-33 | 0.421 | 0.312 |
| CSWD-2-14-34 | #2 AWG | #2 SOL | 2-6 AWG | 1/4 | 0.281 | 0.750 | 1.437 | 0.625 | 2.348 | 0.599 | 0.320 | Brown | I-33 | 0.421 | 0.312 |
| CSWD-2-14-1 | #2 AWG | #2 SOL | 2-6 AWG | 1/4 | 0.281 | 1.000 | 1.687 | 0.625 | 2.598 | 0.599 | 0.320 | Brown | I-33 | 0.421 | 0.312 |
| CSWD-2-516-34 | #2 AWG | #2 SOL | 2-6 AWG | 5/16 | 0.343 | 0.750 | 1.687 | 0.625 | 2.598 | 0.599 | 0.352 | Brown | I-33 | 0.421 | 0.312 |
| CSWD-2-516-1 | #2 AWG | #2 SOL | 2-6 AWG | 5/16 | 0.343 | 1.000 | 1.937 | 0.625 | 2.848 | 0.599 | 0.352 | Brown | I-33 | 0.421 | 0.312 |
| CSWD-2-38-34 | #2 AWG | #2 SOL | 2-6 AWG | 3/8 | 0.406 | 0.750 | 1.687 | 0.625 | 2.598 | 0.599 | 0.414 | Brown | I-33 | 0.421 | 0.312 |
| CSWD-2-38-78 | #2 AWG | #2 SOL | 2-6 AWG | 3/8 | 0.406 | 0.875 | 1.937 | 0.625 | 2.848 | 0.599 | 0.414 | Brown | I-33 | 0.421 | 0.312 |
| CSWD-2-38-1 | #2 AWG | #2 SOL | 2-6 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 0.625 | 2.848 | 0.599 | 0.414 | Brown | I-33 | 0.421 | 0.312 |
| CSWD-2-38-134 | #2 AWG | #2 SOL | 2-6 AWG | 3/8 | 0.406 | 1.750 | 2.625 | 0.625 | 3.536 | 0.599 | 0.414 | Brown | I-33 | 0.421 | 0.312 |
| CSWD-2-12-134 | #2 AWG | #2 SOL | 2-6 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 0.625 | 3.911 | 0.750 | 0.546 | Brown | I-33 | 0.421 | 0.312 |
| CSWD-1-14-58 | #1 AWG | #2 FLEX | 1-6 AWG | 1/4 | 0.281 | 0.625 | 1.437 | 0.625 | 2.392 | 0.673 | 0.320 | Green | I-37 | 0.468 | 0.359 |
| CSWD-1-14-34 | #1 AWG | #2 FLEX | 1-6 AWG | 1/4 | 0.281 | 0.750 | 1.437 | 0.625 | 2.392 | 0.673 | 0.320 | Green | I-37 | 0.468 | 0.359 |
| CSWD-1-14-1 | #1 AWG | #2 FLEX | 1-6 AWG | 1/4 | 0.281 | 1.000 | 1.687 | 0.625 | 2.642 | 0.673 | 0.320 | Green | I-37 | 0.468 | 0.359 |
| CSWD-1-516-78 | #1 AWG | #2 FLEX | 1-6 AWG | 5/16 | 0.343 | 0.875 | 1.687 | 0.625 | 2.642 | 0.673 | 0.352 | Green | I-37 | 0.468 | 0.359 |
| CSWD-1-516-1 | #1 AWG | #2 FLEX | 1-6 AWG | 5/16 | 0.343 | 1.000 | 1.937 | 0.625 | 2.892 | 0.673 | 0.352 | Green | I-37 | 0.468 | 0.359 |
| CSWD-1-38-1 | #1 AWG | #2 FLEX | 1-6 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 0.625 | 2.892 | 0.673 | 0.414 | Green | I-37 | 0.468 | 0.359 |
| CSWD-1-12-134 | #1 AWG | #2 FLEX | 1-6 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 0.625 | 3.955 | 0.750 | 0.546 | Green | I-37 | 0.468 | 0.359 |
| CSWD-1/0-14-58 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 1/4 | 0.281 | 0.625 | 1.437 | 0.750 | 2.543 | 0.738 | 0.320 | Pink | I-42 | 0.515 | 0.390 |
| CSWD-1/0-14-34 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 1/4 | 0.281 | 0.750 | 1.437 | 0.750 | 2.543 | 0.738 | 0.320 | Pink | I-42 | 0.515 | 0.390 |
| CSWD-1/0-14-1 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 1/4 | 0.281 | 1.000 | 1.687 | 0.750 | 2.793 | 0.738 | 0.320 | Pink | I-42 | 0.515 | 0.390 |
| CSWD-1/0-516-34 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 5/16 | 0.343 | 0.750 | 1.687 | 0.750 | 2.793 | 0.738 | 0.352 | Pink | I-42 | 0.515 | 0.390 |
| CSWD-1/0-516-78 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 5/16 | 0.343 | 0.875 | 1.687 | 0.750 | 2.793 | 0.738 | 0.352 | Pink | I-42 | 0.515 | 0.390 |
| CSWD-1/0-516-1 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 5/16 | 0.343 | 1.000 | 1.937 | 0.750 | 3.043 | 0.738 | 0.352 | Pink | I-42 | 0.515 | 0.390 |
| CSWD-1/0-38-1 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 0.750 | 3.043 | 0.738 | 0.414 | Pink | I-42 | 0.515 | 0.390 |
| CSWD-1/0-38-134 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 3/8 | 0.406 | 1.750 | 2.625 | 0.750 | 3.731 | 0.738 | 0.414 | Pink | I-42 | 0.515 | 0.390 |
| CSWD-1/0-12-1 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 1/2 | 0.562 | 1.000 | 2.125 | 0.750 | 3.231 | 0.738 | 0.546 | Pink | I-42 | 0.515 | 0.390 |
| CSWD-1/0-12-134 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 0.750 | 4.106 | 0.738 | 0.546 | Pink | I-42 | 0.515 | 0.390 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools See pages 87 to 97 for complete tooling information. For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg.

Tested to UL 486A/B, UL File E6207

TYPE CSWD

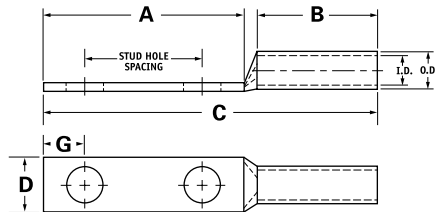
Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG , #8 - #2 SOL
- For direct bury 500 kcmil - 10
- Rated to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements
- For grounding and bonding applications

A



| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Bolt Size | Stud Hole Dia. | Stud Hole Spacing | Dimensions | | | | | Die Color Code | Die Index | O.D. | I.D. |
|------------------|-----------|---------------|----------------------|-----------|----------------|-------------------|------------|-------|-------|-------|-------|----------------|-----------|-------|-------|
| | | | | | | | A | B | C | D | G | | | | |
| CSWD-2/0-14-58 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 1/4 | 0.281 | 0.625 | 1.437 | 0.750 | 2.583 | 0.811 | 0.320 | Black | I-45 | 0.562 | 0.437 |
| CSWD-2/0-14-34 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 1/4 | 0.281 | 0.750 | 1.437 | 0.750 | 2.583 | 0.811 | 0.320 | Black | I-45 | 0.562 | 0.437 |
| CSWD-2/0-14-1 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 1/4 | 0.281 | 1.000 | 1.687 | 0.750 | 2.833 | 0.811 | 0.320 | Black | I-45 | 0.562 | 0.437 |
| CSWD-2/0-516-78 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 5/16 | 0.343 | 0.875 | 1.687 | 0.750 | 2.833 | 0.811 | 0.352 | Black | I-45 | 0.562 | 0.437 |
| CSWD-2/0-516-1 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 5/16 | 0.343 | 1.000 | 1.937 | 0.750 | 3.083 | 0.811 | 0.352 | Black | I-45 | 0.562 | 0.437 |
| CSWD-2/0-38-1 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 0.750 | 3.083 | 0.811 | 0.414 | Black | I-45 | 0.562 | 0.437 |
| CSWD-2/0-38-134 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 3/8 | 0.406 | 1.750 | 2.625 | 0.750 | 3.771 | 0.811 | 0.414 | Black | I-45 | 0.562 | 0.437 |
| CSWD-2/0-12-1 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 1/2 | 0.562 | 1.000 | 2.125 | 0.750 | 3.271 | 0.811 | 0.546 | Black | I-45 | 0.562 | 0.437 |
| CSWD-2/0-12-134 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 0.750 | 4.146 | 0.811 | 0.546 | Black | I-45 | 0.562 | 0.437 |
| CSWD-3/0-14-58 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 1/4 | 0.281 | 0.625 | 1.437 | 0.750 | 2.626 | 0.885 | 0.320 | Orange | I-50 | 0.609 | 0.484 |
| CSWD-3/0-14-34 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 1/4 | 0.281 | 0.750 | 1.437 | 0.750 | 2.626 | 0.885 | 0.320 | Orange | I-50 | 0.609 | 0.484 |
| CSWD-3/0-516-1 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 5/16 | 0.343 | 1.000 | 1.937 | 0.750 | 3.126 | 0.885 | 0.352 | Orange | I-50 | 0.609 | 0.484 |
| CSWD-3/0-38-1 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 0.750 | 3.126 | 0.885 | 0.414 | Orange | I-50 | 0.609 | 0.484 |
| CSWD-3/0-12-134 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 0.750 | 4.189 | 0.885 | 0.546 | Orange | I-50 | 0.609 | 0.484 |
| CSWD-4/0-14-58 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 1/4 | 0.281 | 0.625 | 1.437 | 0.875 | 2.803 | 0.999 | 0.320 | Purple | I-54 | 0.687 | 0.546 |
| CSWD-4/0-14-34 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 1/4 | 0.281 | 0.750 | 1.437 | 0.875 | 2.803 | 0.999 | 0.320 | Purple | I-54 | 0.687 | 0.546 |
| CSWD-4/0-14-1 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 1/4 | 0.281 | 1.000 | 1.687 | 0.875 | 3.053 | 0.999 | 0.320 | Purple | I-54 | 0.687 | 0.546 |
| CSWD-4/0-516-34 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 5/16 | 0.343 | 0.750 | 1.687 | 0.875 | 3.053 | 0.999 | 0.352 | Purple | I-54 | 0.687 | 0.546 |
| CSWD-4/0-516-1 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 5/16 | 0.343 | 1.000 | 1.937 | 0.875 | 3.303 | 0.999 | 0.352 | Purple | I-54 | 0.687 | 0.546 |
| CSWD-4/0-516-134 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 5/16 | 0.343 | 1.750 | 2.500 | 0.875 | 3.866 | 0.999 | 0.352 | Purple | I-54 | 0.687 | 0.546 |
| CSWD-4/0-38-1 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 0.875 | 3.303 | 0.999 | 0.414 | Purple | I-54 | 0.687 | 0.546 |
| CSWD-4/0-38-134 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 3/8 | 0.406 | 1.750 | 2.625 | 0.875 | 3.991 | 0.999 | 0.414 | Purple | I-54 | 0.687 | 0.546 |
| CSWD-4/0-12-1 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 1/2 | 0.562 | 1.000 | 2.125 | 0.875 | 3.491 | 0.999 | 0.546 | Purple | I-54 | 0.687 | 0.546 |
| CSWD-4/0-12-114 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 1/2 | 0.562 | 1.250 | 2.500 | 0.875 | 3.866 | 0.999 | 0.546 | Purple | I-54 | 0.687 | 0.546 |
| CSWD-4/0-12-134 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 0.875 | 4.366 | 0.999 | 0.546 | Purple | I-54 | 0.687 | 0.546 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools

See pages 87 to 97 for complete tooling information.

For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg.

Tested to UL 486A/B, UL File E6207

A

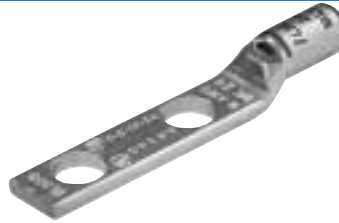
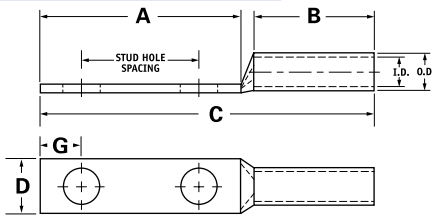
**TYPE
CSWD**

Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG , #8 - #2 SOL
- For direct bury 500 kcmil - 10
- Rated to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements
- For grounding and bonding applications



| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Bolt Size | Stud Hole Dia. | Stud Hole Spacing | Dimensions | | | | | Die Color Code | Die Index | O.D. | I.D. |
|------------------|-----------|---------------------------------|----------------------|-----------|----------------|-------------------|------------|-------|-------|-------|-------|----------------|-----------|-------|-------|
| | | | | | | | A | B | C | D | G | | | | |
| CSWD-250-14-34 | 250kcmil | 4/0 FLEX | 250kcmil - 1/0 AWG | 1/4 | 0.281 | 0.750 | 1.437 | 1.063 | 3.031 | 1.088 | 0.320 | Yellow | I-62 | 0.750 | 0.593 |
| CSWD-250-38-1 | 250kcmil | 4/0 FLEX | 250kcmil - 1/0 AWG | 3/8 | 0.406 | 1.00 | 1.937 | 1.063 | 3.531 | 1.088 | 0.414 | Yellow | I-62 | 0.750 | 0.593 |
| CSWD-250-38-134 | 250kcmil | 4/0 FLEX | 250kcmil - 1/0 AWG | 3/8 | 0.406 | 1.750 | 2.625 | 1.063 | 4.219 | 1.088 | 0.414 | Yellow | I-62 | 0.750 | 0.593 |
| CSWD-250-12-114 | 250kcmil | 4/0 FLEX | 250kcmil - 1/0 AWG | 1/2 | 0.562 | 1.250 | 2.500 | 1.063 | 4.094 | 1.088 | 0.546 | Yellow | I-62 | 0.750 | 0.593 |
| CSWD-250-12-134 | 250kcmil | 4/0 FLEX | 250kcmil - 1/0 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 1.063 | 4.594 | 1.088 | 0.546 | Yellow | I-62 | 0.750 | 0.593 |
| CSWD-300-38-1 | 300kcmil | 250 G,H FLEX | 300kcmil - 2/0 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 1.063 | 3.587 | 1.189 | 0.414 | White | I-66 | 0.812 | 0.660 |
| CSWD-300-12-134 | 300kcmil | 250 G,H FLEX | 300kcmil - 2/0 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 1.063 | 4.650 | 1.189 | 0.546 | White | I-66 | 0.812 | 0.660 |
| CSWD-350-14-34 | 350kcmil | 250 I,K,M FLEX 262.2 DLO | 350kcmil - 3/0 AWG | 1/4 | 0.281 | 0.750 | 1.437 | 1.063 | 3.123 | 1.291 | 0.320 | Red | I-71 | 0.890 | 0.703 |
| CSWD-350-516-134 | 350kcmil | 250 I,K,M FLEX 262.2 DLO | 350kcmil - 3/0 AWG | 5/16 | 0.343 | 1.750 | 2.500 | 1.063 | 4.186 | 1.291 | 0.352 | Red | I-71 | 0.890 | 0.703 |
| CSWD-350-38-1 | 350kcmil | 250 I,K,M FLEX 262.2 DLO | 350kcmil - 3/0 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 1.063 | 3.623 | 1.291 | 0.414 | Red | I-71 | 0.890 | 0.703 |
| CSWD-350-12-114 | 350kcmil | 250 I,K,M FLEX 262.2 DLO | 350kcmil - 3/0 AWG | 1/2 | 0.562 | 1.250 | 2.500 | 1.063 | 4.186 | 1.291 | 0.546 | Red | I-71 | 0.890 | 0.703 |
| CSWD-350-12-134 | 350kcmil | 250 I,K,M FLEX 262.2 DLO | 350kcmil - 3/0 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 1.063 | 4.686 | 1.291 | 0.546 | Red | I-71 | 0.890 | 0.703 |
| CSWD-400-38-1 | 400kcmil | 300 G,H,I,K,M FLEX 313.1 DLO | 400kcmil - 4/0 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 1.188 | 3.792 | 1.365 | 0.414 | Blue | I-76 | 0.937 | 0.750 |
| CSWD-400-38-116 | 400kcmil | 300 G,H,I,K,M FLEX 313.1 DLO | 400kcmil - 4/0 AWG | 3/8 | 0.406 | 1.062 | 1.937 | 1.188 | 3.792 | 1.365 | 0.414 | Blue | I-76 | 0.937 | 0.750 |
| CSWD-400-12-134 | 400kcmil | 300 G,H,I,K,M FLEX 313.1 DLO | 400kcmil - 4/0 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 1.188 | 4.855 | 1.365 | 0.546 | Blue | I-76 | 0.937 | 0.750 |
| CSWD-500-14-34 | 500kcmil | 350 G,H,I,K,M FLEX 373.7 DLO | 500kcmil - 250kcmil | 1/4 | 0.281 | 0.750 | 1.437 | 1.300 | 3.469 | 1.535 | 0.320 | Brown | I-87 | 1.062 | 0.828 |
| CSWD-500-38-1 | 500kcmil | 350 G,H,I,K,M FLEX 373.7 DLO | 500kcmil - 250kcmil | 3/8 | 0.406 | 1.000 | 1.937 | 1.300 | 3.969 | 1.535 | 0.414 | Brown | I-87 | 1.062 | 0.828 |
| CSWD-500-12-114 | 500kcmil | 350 G,H,I,K,M FLEX 373.7 DLO | 500kcmil - 250kcmil | 1/2 | 0.562 | 1.250 | 2.500 | 1.300 | 4.532 | 1.535 | 0.546 | Brown | I-87 | 1.062 | 0.828 |
| CSWD-500-12-134 | 500kcmil | 350 G,H,I,K,M FLEX 373.7 DLO | 500kcmil - 250kcmil | 1/2 | 0.562 | 1.750 | 3.000 | 1.300 | 5.032 | 1.535 | 0.546 | Brown | I-87 | 1.062 | 0.828 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools See pages 87 to 97 for complete tooling information.

For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg.

Tested to UL 486A/B, UL File E6207

TYPE CSWD

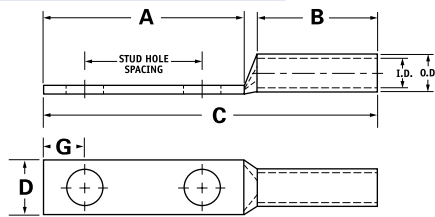
Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG , #8 - #2 SOL
- Rated to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements

A



| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Bolt Size | Stud Hole Dia. | Stud Hole Spacing | Dimensions | | | | | Die Color Code | Die Index | O.D. | I.D. |
|------------------|-----------|------------------------------|----------------------|-----------|----------------|-------------------|------------|-------|-------|-------|-------|----------------|-----------|-------|-------|
| | | | | | | | A | B | C | D | G | | | | |
| CSWD-600-38-1 | 600kcmil | 400 G,H,I,K,M FLEX 444.4 DLO | 600kcmil - 250kcmil | 3/8 | 0.406 | 1.000 | 1.937 | 1.375 | 4.121 | 1.712 | 0.414 | Green | I-94 | 1.187 | 0.920 |
| CSWD-600-12-134 | 600kcmil | 400 G,H,I,K,M FLEX 444.4 DLO | 600kcmil - 250kcmil | 1/2 | 0.562 | 1.750 | 3.000 | 1.375 | 5.184 | 1.712 | 0.546 | Green | I-94 | 1.187 | 0.920 |
| CSWD-650-12-134 | 650kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 650kcmil - 350kcmil | 1/2 | 0.562 | 1.750 | 3.000 | 1.375 | 5.244 | 1.764 | 0.546 | Pink | I-99 | 1.217 | 0.958 |
| CSWD-650-12-114 | 650kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 650kcmil - 350kcmil | 1/2 | 0.562 | 1.250 | 2.500 | 1.375 | 4.744 | 1.764 | 0.546 | Pink | I-99 | 1.217 | 0.958 |
| CSWD-650-38-1 | 650kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 650kcmil - 350kcmil | 3/8 | 0.406 | 1.000 | 1.937 | 1.375 | 4.181 | 1.764 | 0.414 | Pink | I-99 | 1.217 | 0.958 |
| CSWD-650-38-118 | 650kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 650kcmil - 350kcmil | 3/8 | 0.406 | 1.125 | 2.125 | 1.375 | 4.369 | 1.764 | 0.414 | Pink | I-99 | 1.217 | 0.958 |
| CSWD-650-516-1 | 650kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 650kcmil - 350kcmil | 1/32 | 0.343 | 1.000 | 1.937 | 1.375 | 4.181 | 1.764 | 0.352 | Pink | I-99 | 1.217 | 0.958 |
| CSWD-700-38-1 | 700kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 700kcmil - 350kcmil | 3/8 | 0.406 | 1.000 | 1.937 | 1.375 | 4.181 | 1.816 | 0.414 | Pink | I-99 | 1.250 | 0.991 |
| CSWD-700-12-114 | 700kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 700kcmil - 350kcmil | 1/2 | 0.562 | 1.250 | 2.500 | 1.375 | 4.744 | 1.816 | 0.546 | Pink | I-99 | 1.250 | 0.991 |
| CSWD-700-12-134 | 700kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 700kcmil - 350kcmil | 1/2 | 0.562 | 1.750 | 3.000 | 1.375 | 5.244 | 1.816 | 0.546 | Pink | I-99 | 1.250 | 0.991 |
| CSWD-700-12-178 | 700kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 700kcmil - 350kcmil | 1/2 | 0.562 | 1.875 | 3.000 | 1.375 | 5.244 | 1.816 | 0.546 | Pink | I-99 | 1.250 | 0.991 |
| CSWD-750-38-1 | 750kcmil | 600 G,H,I,M FLEX 646.4 DLO | 750kcmil - 500kcmil | 3/8 | 0.406 | 1.000 | 1.937 | 1.500 | 4.339 | 1.901 | 0.414 | Black | I-106 | 1.313 | 1.031 |
| CSWD-750-38-118 | 750kcmil | 600 G,H,I,M FLEX 646.4 DLO | 750kcmil - 500kcmil | 3/8 | 0.406 | 1.125 | 2.125 | 1.500 | 4.527 | 1.901 | 0.414 | Black | I-106 | 1.313 | 1.031 |
| CSWD-750-12-112 | 750kcmil | 600 G,H,I,M FLEX 646.4 DLO | 750kcmil - 500kcmil | 1/2 | 0.562 | 1.500 | 2.625 | 1.500 | 5.027 | 1.901 | 0.546 | Black | I-106 | 1.313 | 1.031 |
| CSWD-750-12-134 | 750kcmil | 600 G,H,I,M FLEX 646.4 DLO | 750kcmil - 500kcmil | 1/2 | 0.562 | 1.750 | 3.000 | 1.500 | 5.402 | 1.901 | 0.546 | Black | I-106 | 1.313 | 1.031 |
| CSWD-750-58-112 | 750kcmil | 600 G,H,I,M FLEX 646.4 DLO | 750kcmil - 500kcmil | 5/8 | 0.656 | 1.500 | 3.000 | 1.500 | 5.402 | 1.901 | 0.671 | Black | I-106 | 1.313 | 1.031 |
| CSWD-1000-38-1 | 1000kcmil | 750 G,H,I FLEX 777.7 DLO | 1000kcmil - 750kcmil | 3/8 | 0.406 | 1.000 | 1.937 | 1.625 | 4.587 | 2.169 | 0.414 | White | I-125 | 1.500 | 1.172 |
| CSWD-1000-12-114 | 1000kcmil | 750 G,H,I FLEX 777.7 DLO | 1000kcmil - 750kcmil | 1/2 | 0.562 | 1.250 | 2.500 | 1.625 | 5.150 | 2.169 | 0.546 | White | I-125 | 1.500 | 1.172 |
| CSWD-1000-12-134 | 1000kcmil | 750 G,H,I FLEX 777.7 DLO | 1000kcmil - 750kcmil | 1/2 | 0.562 | 1.750 | 3.000 | 1.625 | 5.650 | 2.169 | 0.546 | White | I-125 | 1.500 | 1.172 |
| CSWD-1000-58-112 | 1000kcmil | 750 G,H,I FLEX 777.7 DLO | 1000kcmil - 750kcmil | 5/8 | 0.656 | 1.500 | 3.000 | 1.625 | 5.650 | 2.169 | 0.671 | White | I-125 | 1.500 | 1.172 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools See pages 87 to 97 for complete tooling information. For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg. Tested to UL 486A/B, UL File E6207

A

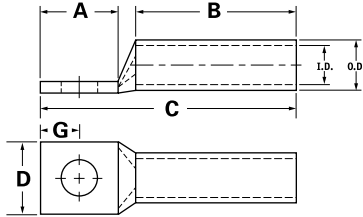
TYPE CLWS

Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG, #8 - #2 SOL
- For direct bury 500 kcmil - 10
- Rated to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements
- For grounding and bonding applications



| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Bolt Size | Stud Hole Dia. | Dimensions | | | | | Die Color Code | Die Index | O.D. | I.D. |
|----------------|-----------|-----------------|----------------------|-----------|----------------|------------|-------|-------|-------|-------|----------------|-----------|-------|-------|
| | | | | | | A | B | C | D | G | | | | |
| CLWS-8-10 | #8 AWG | #8 FLEX, #8 SOL | - | 10 | 0.219 | 0.562 | 0.812 | 1.569 | 0.374 | 0.258 | Red | I-21 | 0.272 | 0.179 |
| CLWS-8-14 | #8 AWG | #8 FLEX, #8 SOL | - | 1/4 | 0.281 | 0.680 | 0.812 | 1.687 | 0.486 | 0.320 | Red | I-21 | 0.272 | 0.179 |
| CLWS-8-516 | #8 AWG | #8 FLEX, #8 SOL | - | 5/16 | 0.343 | 0.875 | 0.812 | 1.882 | 0.532 | 0.352 | Red | I-21 | 0.272 | 0.179 |
| CLWS-8-38 | #8 AWG | #8 FLEX, #8 SOL | - | 3/8 | 0.406 | 0.875 | 0.812 | 1.882 | 0.593 | 0.414 | Red | I-21 | 0.272 | 0.179 |
| CLWS-6-10 | #6 AWG | #6 FLEX, #6 SOL | - | 10 | 0.219 | 0.562 | 1.125 | 1.882 | 0.440 | 0.258 | Blue | I-24 | 0.320 | 0.225 |
| CLWS-6-14 | #6 AWG | #6 FLEX, #6 SOL | - | 1/4 | 0.281 | 0.680 | 1.125 | 2.000 | 0.440 | 0.320 | Blue | I-24 | 0.320 | 0.225 |
| CLWS-6-516 | #6 AWG | #6 FLEX, #6 SOL | - | 5/16 | 0.343 | 0.875 | 1.125 | 2.195 | 0.530 | 0.352 | Blue | I-24 | 0.320 | 0.225 |
| CLWS-6-38 | #6 AWG | #6 FLEX, #6 SOL | - | 3/8 | 0.406 | 0.875 | 1.125 | 2.195 | 0.598 | 0.414 | Blue | I-24 | 0.320 | 0.225 |
| CLWS-6-12 | #6 AWG | #6 FLEX, #6 SOL | - | 1/2 | 0.562 | 1.250 | 1.125 | 2.570 | 0.755 | 0.546 | Blue | I-24 | 0.320 | 0.225 |
| CLWS-4-10 | #4 AWG | #4 SOL | 4-6 AWG | 10 | 0.219 | 0.562 | 1.125 | 1.921 | 0.486 | 0.258 | Gray | I-29 | 0.343 | 0.250 |
| CLWS-4-14 | #4 AWG | #4 SOL | 4-6 AWG | 1/4 | 0.281 | 0.680 | 1.125 | 2.039 | 0.486 | 0.320 | Gray | I-29 | 0.343 | 0.250 |
| CLWS-4-516 | #4 AWG | #4 SOL | 4-6 AWG | 5/16 | 0.343 | 0.875 | 1.125 | 2.234 | 0.486 | 0.352 | Gray | I-29 | 0.343 | 0.250 |
| CLWS-4-38 | #4 AWG | #4 SOL | 4-6 AWG | 3/8 | 0.406 | 0.875 | 1.125 | 2.234 | 0.593 | 0.414 | Gray | I-29 | 0.343 | 0.250 |
| CLWS-4-12 | #4 AWG | #4 SOL | 4-6 AWG | 1/2 | 0.562 | 1.250 | 1.125 | 2.609 | 0.750 | 0.546 | Gray | I-29 | 0.343 | 0.250 |
| CLWS-3-10 | #3 AWG | #4 FLEX | 3-6 AWG | 10 | 0.219 | 0.562 | 1.125 | 1.942 | 0.532 | 0.258 | White | I-29 | 0.375 | 0.275 |
| CLWS-3-14 | #3 AWG | #4 FLEX | 3-6 AWG | 1/4 | 0.281 | 0.680 | 1.125 | 2.060 | 0.532 | 0.320 | White | I-29 | 0.375 | 0.275 |
| CLWS-3-516 | #3 AWG | #4 FLEX | 3-6 AWG | 5/16 | 0.343 | 0.875 | 1.125 | 2.255 | 0.532 | 0.352 | White | I-29 | 0.375 | 0.275 |
| CLWS-3-38 | #3 AWG | #4 FLEX | 3-6 AWG | 3/8 | 0.406 | 0.875 | 1.125 | 2.255 | 0.593 | 0.414 | White | I-29 | 0.375 | 0.275 |
| CLWS-3-12 | #3 AWG | #4 FLEX | 3-6 AWG | 1/2 | 0.562 | 1.250 | 1.125 | 2.630 | 0.750 | 0.546 | White | I-29 | 0.375 | 0.275 |
| CLWS-2-10 | #2 AWG | #2 SOL | 2-6 AWG | 10 | 0.219 | 0.562 | 1.125 | 1.973 | 0.599 | 0.258 | Brown | I-33 | 0.421 | 0.312 |
| CLWS-2-14 | #2 AWG | #2 SOL | 2-6 AWG | 1/4 | 0.281 | 0.680 | 1.125 | 2.091 | 0.599 | 0.320 | Brown | I-33 | 0.421 | 0.312 |
| CLWS-2-516 | #2 AWG | #2 SOL | 2-6 AWG | 5/16 | 0.343 | 0.875 | 1.125 | 2.286 | 0.599 | 0.352 | Brown | I-33 | 0.421 | 0.312 |
| CLWS-2-38 | #2 AWG | #2 SOL | 2-6 AWG | 3/8 | 0.406 | 0.875 | 1.125 | 2.286 | 0.599 | 0.414 | Brown | I-33 | 0.421 | 0.312 |
| CLWS-2-12 | #2 AWG | #2 SOL | 2-6 AWG | 1/2 | 0.562 | 1.250 | 1.125 | 2.661 | 0.750 | 0.546 | Brown | I-33 | 0.421 | 0.312 |
| CLWS-1-10 | #1 AWG | #2 FLEX | 1-6 AWG | 10 | 0.219 | 0.562 | 1.375 | 2.267 | 0.673 | 0.258 | Green | I-37 | 0.468 | 0.359 |
| CLWS-1-14 | #1 AWG | #2 FLEX | 1-6 AWG | 1/4 | 0.281 | 0.875 | 1.375 | 2.580 | 0.673 | 0.320 | Green | I-37 | 0.468 | 0.359 |
| CLWS-1-516 | #1 AWG | #2 FLEX | 1-6 AWG | 5/16 | 0.343 | 0.875 | 1.375 | 2.580 | 0.673 | 0.352 | Green | I-37 | 0.468 | 0.359 |
| CLWS-1-38 | #1 AWG | #2 FLEX | 1-6 AWG | 3/8 | 0.406 | 0.875 | 1.375 | 2.580 | 0.673 | 0.414 | Green | I-37 | 0.468 | 0.359 |
| CLWS-1-12 | #1 AWG | #2 FLEX | 1-6 AWG | 1/2 | 0.562 | 1.250 | 1.375 | 2.955 | 0.750 | 0.546 | Green | I-37 | 0.468 | 0.359 |
| CLWS-1/0-10 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 10 | 0.219 | 0.562 | 1.500 | 2.418 | 0.738 | 0.258 | Pink | I-42 | 0.515 | 0.390 |
| CLWS-1/0-14 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 1/4 | 0.281 | 0.875 | 1.500 | 2.731 | 0.738 | 0.320 | Pink | I-42 | 0.515 | 0.390 |
| CLWS-1/0-516 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 5/16 | 0.343 | 0.875 | 1.500 | 2.731 | 0.738 | 0.352 | Pink | I-42 | 0.515 | 0.390 |
| CLWS-1/0-38 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 3/8 | 0.406 | 0.875 | 1.500 | 2.731 | 0.738 | 0.414 | Pink | I-42 | 0.515 | 0.390 |
| CLWS-1/0-12 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 1/2 | 0.562 | 1.250 | 1.500 | 3.106 | 0.738 | 0.546 | Pink | I-42 | 0.515 | 0.390 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools See pages 87 to 97 for complete tooling information.

For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg.

Tested to UL 486A/B, UL File E6207

TYPE CLWS

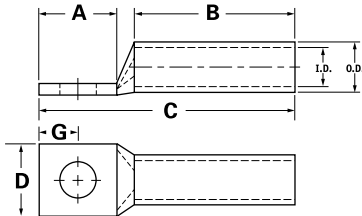
Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG , #8 - #2 SOL
- For direct bury 500 kcmil - 10
- Rated to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements
- For grounding and bonding applications

A



| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Bolt Size | Stud Hole Dia. | Dimensions | | | | | Die Color Code | Die Index | O.D. | I.D. |
|----------------|-----------|---------------------------------|----------------------|-----------|----------------|------------|-------|-------|-------|-------|----------------|-----------|-------|-------|
| | | | | | | A | B | C | D | G | | | | |
| CLWS-2/0-10 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 10 | 0.219 | 0.562 | 1.500 | 2.458 | 0.811 | 0.258 | Black | I-45 | 0.562 | 0.437 |
| CLWS-2/0-14 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 1/4 | 0.281 | 0.875 | 1.500 | 2.771 | 0.811 | 0.320 | Black | I-45 | 0.562 | 0.437 |
| CLWS-2/0-516 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 5/16 | 0.343 | 0.875 | 1.500 | 2.771 | 0.811 | 0.352 | Black | I-45 | 0.562 | 0.437 |
| CLWS-2/0-38 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 3/8 | 0.406 | 0.875 | 1.500 | 2.771 | 0.811 | 0.414 | Black | I-45 | 0.562 | 0.437 |
| CLWS-2/0-12 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 1/2 | 0.562 | 1.250 | 1.500 | 3.146 | 0.811 | 0.546 | Black | I-45 | 0.562 | 0.437 |
| CLWS-3/0-10 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 10 | 0.219 | 0.562 | 1.500 | 2.501 | 0.885 | 0.258 | Orange | I-50 | 0.609 | 0.484 |
| CLWS-3/0-14 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 1/4 | 0.281 | 0.875 | 1.500 | 2.814 | 0.885 | 0.320 | Orange | I-50 | 0.609 | 0.484 |
| CLWS-3/0-516 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 5/16 | 0.343 | 0.875 | 1.500 | 2.814 | 0.885 | 0.352 | Orange | I-50 | 0.609 | 0.484 |
| CLWS-3/0-38 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 3/8 | 0.406 | 0.875 | 1.500 | 2.814 | 0.885 | 0.414 | Orange | I-50 | 0.609 | 0.484 |
| CLWS-3/0-12 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 1/2 | 0.562 | 1.250 | 1.500 | 3.189 | 0.885 | 0.546 | Orange | I-50 | 0.609 | 0.484 |
| CLWS-4/0-14 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 1/4 | 0.281 | 0.875 | 1.500 | 2.866 | 0.999 | 0.320 | Purple | I-54 | 0.687 | 0.546 |
| CLWS-4/0-516 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 5/16 | 0.343 | 0.875 | 1.500 | 2.866 | 0.999 | 0.352 | Purple | I-54 | 0.687 | 0.546 |
| CLWS-4/0-38 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 3/8 | 0.406 | 0.875 | 1.500 | 2.866 | 0.999 | 0.414 | Purple | I-54 | 0.687 | 0.546 |
| CLWS-4/0-12 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 1/2 | 0.562 | 1.250 | 1.500 | 3.241 | 0.999 | 0.546 | Purple | I-54 | 0.687 | 0.546 |
| CLWS-250-516 | 250kcmil | 4/0 FLEX | 250kcmil - 1/0 AWG | 5/16 | 0.343 | 0.875 | 1.688 | 3.094 | 1.088 | 0.352 | Yellow | I-62 | 0.750 | 0.593 |
| CLWS-250-38 | 250kcmil | 4/0 FLEX | 250kcmil - 1/0 AWG | 3/8 | 0.406 | 0.875 | 1.688 | 3.094 | 1.088 | 0.414 | Yellow | I-62 | 0.750 | 0.593 |
| CLWS-250-12 | 250kcmil | 4/0 FLEX | 250kcmil - 1/0 AWG | 1/2 | 0.562 | 1.250 | 1.688 | 3.469 | 1.088 | 0.546 | Yellow | I-62 | 0.750 | 0.593 |
| CLWS-300-516 | 300kcmil | 250 G,H FLEX | 300kcmil - 2/0 AWG | 5/16 | 0.343 | 0.875 | 2.000 | 3.462 | 1.189 | 0.352 | White | I-66 | 0.812 | 0.660 |
| CLWS-300-38 | 300kcmil | 250 G,H FLEX | 300kcmil - 2/0 AWG | 3/8 | 0.406 | 0.875 | 2.000 | 3.462 | 1.189 | 0.414 | White | I-66 | 0.812 | 0.660 |
| CLWS-300-12 | 300kcmil | 250 G,H FLEX | 300kcmil - 2/0 AWG | 1/2 | 0.562 | 1.250 | 2.000 | 3.837 | 1.189 | 0.546 | White | I-66 | 0.812 | 0.660 |
| CLWS-350-38 | 350kcmil | 250 I,K,M FLEX 262.2 DLO | 350kcmil - 3/0 AWG | 3/8 | 0.406 | 0.875 | 2.000 | 3.498 | 1.291 | 0.414 | Red | I-71 | 0.890 | 0.703 |
| CLWS-350-12 | 350kcmil | 250 I,K,M FLEX 262.2 DLO | 350kcmil - 3/0 AWG | 1/2 | 0.562 | 1.250 | 2.000 | 3.873 | 1.291 | 0.546 | Red | I-71 | 0.890 | 0.703 |
| CLWS-350-58 | 350kcmil | 250 I,K,M FLEX 262.2 DLO | 350kcmil - 3/0 AWG | 5/8 | 0.656 | 1.437 | 2.000 | 4.060 | 1.291 | 0.671 | Red | I-71 | 0.890 | 0.703 |
| CLWS-400-38 | 400kcmil | 300 G,H,I,K,M FLEX 313.1 DLO | 400kcmil - 4/0 AWG | 3/8 | 0.406 | 0.875 | 2.125 | 3.667 | 1.365 | 0.414 | Blue | I-76 | 0.937 | 0.750 |
| CLWS-400-12 | 400kcmil | 300 G,H,I,K,M FLEX 313.1 DLO | 400kcmil - 4/0 AWG | 1/2 | 0.562 | 1.250 | 2.125 | 4.042 | 1.365 | 0.546 | Blue | I-76 | 0.937 | 0.750 |
| CLWS-400-58 | 400kcmil | 300 G,H,I,K,M FLEX 313.1 DLO | 400kcmil - 4/0 AWG | 5/8 | 0.656 | 1.437 | 2.125 | 4.229 | 1.365 | 0.671 | Blue | I-76 | 0.937 | 0.750 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools

See pages 87 to 97 for complete tooling information.

For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg.

Tested to UL 486A/B, UL File E6207

A

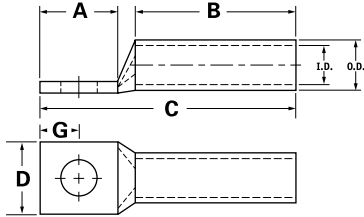
TYPE CLWS

Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG , #8 - #2 SOL
- For direct bury 500 kcmil - 10
- Rated to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements



| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Bolt Size | Stud Hole Dia. | Dimensions | | | | | Die Color Code | Die Index | O.D. | I.D. |
|----------------|-----------|------------------------------|----------------------|-----------|----------------|------------|-------|-------|-------|-------|----------------|-----------|-------|-------|
| | | | | | | A | B | C | D | G | | | | |
| CLWS-500-38 | 500kcmil | 350 G,H,I,K,M FLEX 373.7 DLO | 500kcmil - 250kcmil | 3/8 | 0.406 | 0.875 | 2.250 | 3.857 | 1.535 | 0.414 | Brown | I-87 | 1.062 | 0.828 |
| CLWS-500-12 | 500kcmil | 350 G,H,I,K,M FLEX 373.7 DLO | 500kcmil - 250kcmil | 1/2 | 0.562 | 1.250 | 2.250 | 4.232 | 1.535 | 0.546 | Brown | I-87 | 1.062 | 0.828 |
| CLWS-500-58 | 500kcmil | 350 G,H,I,K,M FLEX 373.7 DLO | 500kcmil - 250kcmil | 5/8 | 0.656 | 1.437 | 2.250 | 4.419 | 1.535 | 0.671 | Brown | I-87 | 1.062 | 0.828 |
| CLWS-600-38 | 600kcmil | 400 G,H,I,K,M FLEX 444.4 DLO | 600kcmil - 250kcmil | 3/8 | 0.406 | 0.875 | 2.687 | 4.371 | 1.712 | 0.414 | Green | I-94 | 1.187 | 0.920 |
| CLWS-600-12 | 600kcmil | 400 G,H,I,K,M FLEX 444.4 DLO | 600kcmil - 250kcmil | 1/2 | 0.562 | 1.250 | 2.687 | 4.746 | 1.712 | 0.546 | Green | I-94 | 1.187 | 0.920 |
| CLWS-600-58 | 600kcmil | 400 G,H,I,K,M FLEX 444.4 DLO | 600kcmil - 250kcmil | 5/8 | 0.656 | 1.437 | 2.687 | 4.933 | 1.712 | 0.671 | Green | I-94 | 1.187 | 0.920 |
| CLWS-650-516 | 650kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 650kcmil - 350kcmil | 1/32 | 0.343 | 0.875 | 2.687 | 4.431 | 1.764 | 0.352 | Pink | I-99 | 1.217 | 0.958 |
| CLWS-650-38 | 650kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 650kcmil - 350kcmil | 3/8 | 0.406 | 0.875 | 2.687 | 4.431 | 1.764 | 0.414 | Pink | I-99 | 1.217 | 0.958 |
| CLWS-650-12 | 650kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 650kcmil - 350kcmil | 1/2 | 0.562 | 1.25 | 2.687 | 4.806 | 1.764 | 0.546 | Pink | I-99 | 1.217 | 0.958 |
| CLWS-650-58 | 650kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 650kcmil - 350kcmil | 5/8 | 0.656 | 1.437 | 2.687 | 4.993 | 1.764 | 0.671 | Pink | I-99 | 1.217 | 0.958 |
| CLWS-700-38 | 700kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 700kcmil - 350kcmil | 3/8 | 0.406 | 0.875 | 2.687 | 4.431 | 1.816 | 0.414 | Pink | I-99 | 1.250 | 0.991 |
| CLWS-700-12 | 700kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 700kcmil - 350kcmil | 1/2 | 0.562 | 1.250 | 2.687 | 4.806 | 1.816 | 0.546 | Pink | I-99 | 1.250 | 0.991 |
| CLWS-700-58 | 700kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 700kcmil - 350kcmil | 5/8 | 0.656 | 1.437 | 2.687 | 4.993 | 1.816 | 0.671 | Pink | I-99 | 1.250 | 0.991 |
| CLWS-750-38 | 750kcmil | 600 G,H,I,M FLEX 646.4 DLO | 750kcmil - 500kcmil | 3/8 | 0.406 | 0.875 | 2.875 | 4.652 | 1.901 | 0.414 | Black | I-106 | 1.313 | 1.031 |
| CLWS-750-12 | 750kcmil | 600 G,H,I,M FLEX 646.4 DLO | 750kcmil - 500kcmil | 1/2 | 0.562 | 1.250 | 2.875 | 5.027 | 1.901 | 0.546 | Black | I-106 | 1.313 | 1.031 |
| CLWS-750-58 | 750kcmil | 600 G,H,I,M FLEX 646.4 DLO | 750kcmil - 500kcmil | 5/8 | 0.656 | 1.437 | 2.875 | 5.214 | 1.901 | 0.671 | Black | I-106 | 1.313 | 1.031 |
| CLWS-1000-38 | 1000kcmil | 750 G,H,I FLEX 777.7 DLO | 1000kcmil - 750kcmil | 3/8 | 0.406 | 0.875 | 3.000 | 4.900 | 2.169 | 0.414 | White | I-125 | 1.500 | 1.172 |
| CLWS-1000-12 | 1000kcmil | 750 G,H,I FLEX 777.7 DLO | 1000kcmil - 750kcmil | 1/2 | 0.562 | 1.250 | 3.000 | 5.275 | 2.169 | 0.546 | White | I-125 | 1.500 | 1.172 |
| CLWS-1000-58 | 1000kcmil | 750 G,H,I FLEX 777.7 DLO | 1000kcmil - 750kcmil | 5/8 | 0.656 | 1.437 | 3.000 | 5.462 | 2.169 | 0.671 | White | I-125 | 1.500 | 1.172 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools See pages 87 to 97 for complete tooling information.

For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg.

Tested to UL 486A/B, UL File E6207

TYPE CLNS

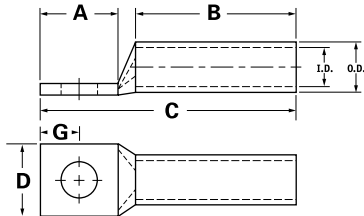
Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG, #8 - #2 SOL
- For direct bury 500 kcmil - 10
- Rated to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements
- For grounding and bonding applications

A



| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Bolt Size | Stud Hole Dia. | Dimensions | | | | | Die Color Code | Die Index | O.D. | I.D. |
|----------------|-----------|-----------------|----------------------|-----------|----------------|------------|-------|-------|-------|-------|----------------|-----------|-------|-------|
| | | | | | | A | B | C | D | G | | | | |
| CLNS-8-10 | #8 AWG | #8 FLEX, #8 SOL | - | 10 | 0.219 | 0.562 | 0.812 | 1.569 | 0.374 | 0.258 | Red | I-21 | 0.272 | 0.179 |
| CLNS-8-14 | #8 AWG | #8 FLEX, #8 SOL | - | 1/4 | 0.281 | 0.680 | 0.812 | 1.687 | 0.486 | 0.320 | Red | I-21 | 0.272 | 0.179 |
| CLNS-8-516 | #8 AWG | #8 FLEX, #8 SOL | - | 5/16 | 0.343 | 0.875 | 0.812 | 1.882 | 0.532 | 0.352 | Red | I-21 | 0.272 | 0.179 |
| CLNS-8-38 | #8 AWG | #8 FLEX, #8 SOL | - | 3/8 | 0.406 | 0.875 | 0.812 | 1.882 | 0.593 | 0.414 | Red | I-21 | 0.272 | 0.179 |
| CLNS-6-10 | #6 AWG | #6 FLEX, #6 SOL | - | 10 | 0.219 | 0.562 | 1.125 | 1.882 | 0.440 | 0.258 | Blue | I-24 | 0.320 | 0.225 |
| CLNS-6-14 | #6 AWG | #6 FLEX, #6 SOL | - | 1/4 | 0.281 | 0.680 | 1.125 | 2.000 | 0.440 | 0.320 | Blue | I-24 | 0.320 | 0.225 |
| CLNS-6-516 | #6 AWG | #6 FLEX, #6 SOL | - | 5/16 | 0.343 | 0.875 | 1.125 | 2.195 | 0.530 | 0.352 | Blue | I-24 | 0.320 | 0.225 |
| CLNS-6-38 | #6 AWG | #6 FLEX, #6 SOL | - | 3/8 | 0.406 | 0.875 | 1.125 | 2.195 | 0.598 | 0.414 | Blue | I-24 | 0.320 | 0.225 |
| CLNS-6-12 | #6 AWG | #6 FLEX, #6 SOL | - | 1/2 | 0.562 | 1.250 | 1.125 | 2.570 | 0.755 | 0.546 | Blue | I-24 | 0.320 | 0.225 |
| CLNS-4-10 | #4 AWG | #4 SOL | 4-6 AWG | 10 | 0.219 | 0.562 | 1.125 | 1.921 | 0.486 | 0.258 | Gray | I-29 | 0.343 | 0.250 |
| CLNS-4-14 | #4 AWG | #4 SOL | 4-6 AWG | 1/4 | 0.281 | 0.680 | 1.125 | 2.039 | 0.486 | 0.320 | Gray | I-29 | 0.343 | 0.250 |
| CLNS-4-516 | #4 AWG | #4 SOL | 4-6 AWG | 5/16 | 0.343 | 0.875 | 1.125 | 2.234 | 0.486 | 0.352 | Gray | I-29 | 0.343 | 0.250 |
| CLNS-4-38 | #4 AWG | #4 SOL | 4-6 AWG | 3/8 | 0.406 | 0.875 | 1.125 | 2.234 | 0.593 | 0.414 | Gray | I-29 | 0.343 | 0.250 |
| CLNS-4-12 | #4 AWG | #4 SOL | 4-6 AWG | 1/2 | 0.562 | 1.250 | 1.125 | 2.609 | 0.750 | 0.546 | Gray | I-29 | 0.343 | 0.250 |
| CLNS-3-10 | #3 AWG | #4 FLEX | 3-6 AWG | 10 | 0.219 | 0.562 | 1.125 | 1.942 | 0.532 | 0.258 | White | I-29 | 0.375 | 0.275 |
| CLNS-3-14 | #3 AWG | #4 FLEX | 3-6 AWG | 1/4 | 0.281 | 0.680 | 1.125 | 2.060 | 0.532 | 0.320 | White | I-29 | 0.375 | 0.275 |
| CLNS-3-516 | #3 AWG | #4 FLEX | 3-6 AWG | 5/16 | 0.343 | 0.875 | 1.125 | 2.255 | 0.532 | 0.352 | White | I-29 | 0.375 | 0.275 |
| CLNS-3-38 | #3 AWG | #4 FLEX | 3-6 AWG | 3/8 | 0.406 | 0.875 | 1.125 | 2.255 | 0.593 | 0.414 | White | I-29 | 0.375 | 0.275 |
| CLNS-3-12 | #3 AWG | #4 FLEX | 3-6 AWG | 1/2 | 0.562 | 1.250 | 1.125 | 2.630 | 0.750 | 0.546 | White | I-29 | 0.375 | 0.275 |
| CLNS-2-10 | #2 AWG | #2 SOL | 2-6 AWG | 10 | 0.219 | 0.562 | 1.125 | 1.973 | 0.599 | 0.258 | Brown | I-33 | 0.421 | 0.312 |
| CLNS-2-14 | #2 AWG | #2 SOL | 2-6 AWG | 1/4 | 0.281 | 0.680 | 1.125 | 2.091 | 0.599 | 0.320 | Brown | I-33 | 0.421 | 0.312 |
| CLNS-2-516 | #2 AWG | #2 SOL | 2-6 AWG | 5/16 | 0.343 | 0.875 | 1.125 | 2.286 | 0.599 | 0.352 | Brown | I-33 | 0.421 | 0.312 |
| CLNS-2-38 | #2 AWG | #2 SOL | 2-6 AWG | 3/8 | 0.406 | 0.875 | 1.125 | 2.286 | 0.599 | 0.414 | Brown | I-33 | 0.421 | 0.312 |
| CLNS-2-12 | #2 AWG | #2 SOL | 2-6 AWG | 1/2 | 0.562 | 1.250 | 1.125 | 2.661 | 0.750 | 0.546 | Brown | I-33 | 0.421 | 0.312 |
| CLNS-1-10 | #1 AWG | #2 FLEX | 1-6 AWG | 10 | 0.219 | 0.562 | 1.375 | 2.267 | 0.673 | 0.258 | Green | I-37 | 0.468 | 0.359 |
| CLNS-1-14 | #1 AWG | #2 FLEX | 1-6 AWG | 1/4 | 0.281 | 0.875 | 1.375 | 2.580 | 0.673 | 0.320 | Green | I-37 | 0.468 | 0.359 |
| CLNS-1-516 | #1 AWG | #2 FLEX | 1-6 AWG | 5/16 | 0.343 | 0.875 | 1.375 | 2.580 | 0.673 | 0.352 | Green | I-37 | 0.468 | 0.359 |
| CLNS-1-38 | #1 AWG | #2 FLEX | 1-6 AWG | 3/8 | 0.406 | 0.875 | 1.375 | 2.580 | 0.673 | 0.414 | Green | I-37 | 0.468 | 0.359 |
| CLNS-1-12 | #1 AWG | #2 FLEX | 1-6 AWG | 1/2 | 0.562 | 1.250 | 1.375 | 2.955 | 0.750 | 0.546 | Green | I-37 | 0.468 | 0.359 |
| CLNS-1/0-10 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 10 | 0.219 | 0.562 | 1.500 | 2.418 | 0.738 | 0.258 | Pink | I-42 | 0.515 | 0.390 |
| CLNS-1/0-14 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 1/4 | 0.281 | 0.875 | 1.500 | 2.731 | 0.738 | 0.320 | Pink | I-42 | 0.515 | 0.390 |
| CLNS-1/0-516 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 5/16 | 0.343 | 0.875 | 1.500 | 2.731 | 0.738 | 0.352 | Pink | I-42 | 0.515 | 0.390 |
| CLNS-1/0-38 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 3/8 | 0.406 | 0.875 | 1.500 | 2.731 | 0.738 | 0.414 | Pink | I-42 | 0.515 | 0.390 |
| CLNS-1/0-12 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 1/2 | 0.562 | 1.250 | 1.500 | 3.106 | 0.738 | 0.546 | Pink | I-42 | 0.515 | 0.390 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools

See pages 87 to 97 for complete tooling information.

For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg.

Tested to UL 486A/B, UL File E6207

A

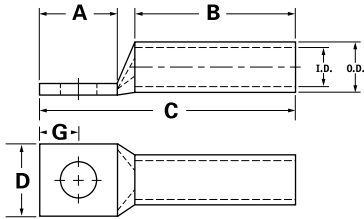
TYPE CLNS

Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG , #8 - #2 SOL
- For direct bury 500 kcmil - 10
- Rated to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements
- For grounding and bonding applications



| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Bolt Size | Stud Hole Dia. | Dimensions | | | | | Die Color Code | Die Index | O.D. | I.D. |
|----------------|-----------|---------------------------------|----------------------|-----------|----------------|------------|-------|-------|-------|-------|----------------|-----------|-------|-------|
| | | | | | | A | B | C | D | G | | | | |
| CLNS-2/0-10 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 10 | 0.219 | 0.562 | 1.500 | 2.458 | 0.811 | 0.258 | Black | 1-45 | 0.562 | 0.437 |
| CLNS-2/0-14 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 1/4 | 0.281 | 0.875 | 1.500 | 2.771 | 0.811 | 0.320 | Black | 1-45 | 0.562 | 0.437 |
| CLNS-2/0-516 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 5/16 | 0.343 | 0.875 | 1.500 | 2.771 | 0.811 | 0.352 | Black | 1-45 | 0.562 | 0.437 |
| CLNS-2/0-38 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 3/8 | 0.406 | 0.875 | 1.500 | 2.771 | 0.811 | 0.414 | Black | 1-45 | 0.562 | 0.437 |
| CLNS-2/0-12 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 1/2 | 0.562 | 1.250 | 1.500 | 3.146 | 0.811 | 0.546 | Black | 1-45 | 0.562 | 0.437 |
| CLNS-3/0-10 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 10 | 0.219 | 0.562 | 1.500 | 2.501 | 0.885 | 0.258 | Orange | 1-50 | 0.609 | 0.484 |
| CLNS-3/0-14 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 1/4 | 0.281 | 0.875 | 1.500 | 2.814 | 0.885 | 0.320 | Orange | 1-50 | 0.609 | 0.484 |
| CLNS-3/0-516 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 5/16 | 0.343 | 0.875 | 1.500 | 2.814 | 0.885 | 0.352 | Orange | 1-50 | 0.609 | 0.484 |
| CLNS-3/0-38 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 3/8 | 0.406 | 0.875 | 1.500 | 2.814 | 0.885 | 0.414 | Orange | 1-50 | 0.609 | 0.484 |
| CLNS-3/0-12 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 1/2 | 0.562 | 1.250 | 1.500 | 3.189 | 0.885 | 0.546 | Orange | 1-50 | 0.609 | 0.484 |
| CLNS-4/0-14 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 1/4 | 0.281 | 0.875 | 1.500 | 2.866 | 0.999 | 0.320 | Purple | 1-54 | 0.687 | 0.546 |
| CLNS-4/0-516 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 5/16 | 0.343 | 0.875 | 1.500 | 2.866 | 0.999 | 0.352 | Purple | 1-54 | 0.687 | 0.546 |
| CLNS-4/0-38 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 3/8 | 0.406 | 0.875 | 1.500 | 2.866 | 0.999 | 0.414 | Purple | 1-54 | 0.687 | 0.546 |
| CLNS-4/0-12 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 1/2 | 0.562 | 1.250 | 1.500 | 3.241 | 0.999 | 0.546 | Purple | 1-54 | 0.687 | 0.546 |
| CLNS-250-516 | 250kcmil | 4/0 FLEX | 250kcmil - 1/0 AWG | 5/16 | 0.343 | 0.875 | 1.688 | 3.094 | 1.088 | 0.352 | Yellow | 1-62 | 0.750 | 0.593 |
| CLNS-250-38 | 250kcmil | 4/0 FLEX | 250kcmil - 1/0 AWG | 3/8 | 0.406 | 0.875 | 1.688 | 3.094 | 1.088 | 0.414 | Yellow | 1-62 | 0.750 | 0.593 |
| CLNS-250-12 | 250kcmil | 4/0 FLEX | 250kcmil - 1/0 AWG | 1/2 | 0.562 | 1.250 | 1.688 | 3.469 | 1.088 | 0.546 | Yellow | 1-62 | 0.750 | 0.593 |
| CLNS-300-516 | 300kcmil | 250 G,H FLEX | 300kcmil - 2/0 AWG | 5/16 | 0.343 | 0.875 | 2.000 | 3.462 | 1.189 | 0.352 | White | 1-66 | 0.812 | 0.660 |
| CLNS-300-38 | 300kcmil | 250 G,H FLEX | 300kcmil - 2/0 AWG | 3/8 | 0.406 | 0.875 | 2.000 | 3.462 | 1.189 | 0.414 | White | 1-66 | 0.812 | 0.660 |
| CLNS-300-12 | 300kcmil | 250 G,H FLEX | 300kcmil - 2/0 AWG | 1/2 | 0.562 | 1.250 | 2.000 | 3.837 | 1.189 | 0.546 | White | 1-66 | 0.812 | 0.660 |
| CLNS-350-38 | 350kcmil | 250 I,K,M FLEX 262.2 DLO | 350kcmil - 3/0 AWG | 3/8 | 0.406 | 0.875 | 2.000 | 3.498 | 1.291 | 0.414 | Red | 1-71 | 0.890 | 0.703 |
| CLNS-350-12 | 350kcmil | 250 I,K,M FLEX 262.2 DLO | 350kcmil - 3/0 AWG | 1/2 | 0.562 | 1.250 | 2.000 | 3.873 | 1.291 | 0.546 | Red | 1-71 | 0.890 | 0.703 |
| CLNS-350-58 | 350kcmil | 250 I,K,M FLEX 262.2 DLO | 350kcmil - 3/0 AWG | 5/8 | 0.656 | 1.437 | 2.000 | 4.060 | 1.291 | 0.671 | Red | 1-71 | 0.890 | 0.703 |
| CLNS-400-38 | 400kcmil | 300 G,H,I,K,M FLEX 313.1 DLO | 400kcmil - 4/0 AWG | 3/8 | 0.406 | 0.875 | 2.125 | 3.667 | 1.365 | 0.414 | Blue | 1-76 | 0.937 | 0.750 |
| CLNS-400-12 | 400kcmil | 300 G,H,I,K,M FLEX 313.1 DLO | 400kcmil - 4/0 AWG | 1/2 | 0.562 | 1.250 | 2.125 | 4.042 | 1.365 | 0.546 | Blue | 1-76 | 0.937 | 0.750 |
| CLNS-400-58 | 400kcmil | 300 G,H,I,K,M FLEX 313.1 DLO | 400kcmil - 4/0 AWG | 5/8 | 0.656 | 1.437 | 2.125 | 4.229 | 1.365 | 0.671 | Blue | 1-76 | 0.937 | 0.750 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools

See pages 87 to 97 for complete tooling information.

For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg.

Tested to UL 486A/B, UL File E6207

TYPE CLNS

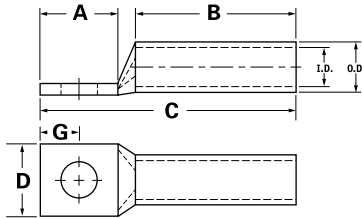
Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG , #8 - #2 SOL
- For direct bury 500 kcmil - 10
- Rated to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements

A



| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Bolt Size | Stud Hole Dia. | Dimensions | | | | | Die Color Code | Die Index | O.D. | I.D. |
|----------------|-----------|------------------------------|----------------------|-----------|----------------|------------|-------|-------|-------|-------|----------------|-----------|-------|-------|
| | | | | | | A | B | C | D | G | | | | |
| CLNS-500-38 | 500kcmil | 350 G,H,I,K,M FLEX 373.7 DLO | 500kcmil - 250kcmil | 3/8 | 0.406 | 0.875 | 2.250 | 3.857 | 1.535 | 0.414 | Brown | I-87 | 1.062 | 0.828 |
| CLNS-500-12 | 500kcmil | 350 G,H,I,K,M FLEX 373.7 DLO | 500kcmil - 250kcmil | 1/2 | 0.562 | 1.250 | 2.250 | 4.232 | 1.535 | 0.546 | Brown | I-87 | 1.062 | 0.828 |
| CLNS-500-58 | 500kcmil | 350 G,H,I,K,M FLEX 373.7 DLO | 500kcmil - 250kcmil | 5/8 | 0.656 | 1.437 | 2.250 | 4.419 | 1.535 | 0.671 | Brown | I-87 | 1.062 | 0.828 |
| CLNS-600-38 | 600kcmil | 400 G,H,I,K,M FLEX 444.4 DLO | 600kcmil - 250kcmil | 3/8 | 0.406 | 0.875 | 2.687 | 4.371 | 1.712 | 0.414 | Green | I-94 | 1.187 | 0.920 |
| CLNS-600-12 | 600kcmil | 400 G,H,I,K,M FLEX 444.4 DLO | 600kcmil - 250kcmil | 1/2 | 0.562 | 1.250 | 2.687 | 4.746 | 1.712 | 0.546 | Green | I-94 | 1.187 | 0.920 |
| CLNS-600-58 | 600kcmil | 400 G,H,I,K,M FLEX 444.4 DLO | 600kcmil - 250kcmil | 5/8 | 0.656 | 1.437 | 2.687 | 4.933 | 1.712 | 0.671 | Green | I-94 | 1.187 | 0.920 |
| CLNS-650-516 | 650kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 650kcmil - 350kcmil | 1/32 | 0.343 | 0.875 | 2.687 | 4.431 | 1.764 | 0.352 | Pink | I-99 | 1.217 | 0.958 |
| CLNS-650-38 | 650kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 650kcmil - 350kcmil | 3/8 | 0.406 | 0.875 | 2.687 | 4.431 | 1.764 | 0.414 | Pink | I-99 | 1.217 | 0.958 |
| CLNS-650-12 | 650kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 650kcmil - 350kcmil | 1/2 | 0.562 | 1.250 | 2.687 | 4.806 | 1.764 | 0.546 | Pink | I-99 | 1.217 | 0.958 |
| CLNS-650-58 | 650kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 650kcmil - 350kcmil | 5/8 | 0.656 | 1.437 | 2.687 | 4.993 | 1.764 | 0.671 | Pink | I-99 | 1.217 | 0.958 |
| CLNS-700-38 | 700kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 700kcmil - 350kcmil | 3/8 | 0.406 | 0.875 | 2.687 | 4.431 | 1.816 | 0.414 | Pink | I-99 | 1.250 | 0.991 |
| CLNS-700-12 | 700kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 700kcmil - 350kcmil | 1/2 | 0.562 | 1.250 | 2.687 | 4.806 | 1.816 | 0.546 | Pink | I-99 | 1.250 | 0.991 |
| CLNS-700-58 | 700kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 700kcmil - 350kcmil | 5/8 | 0.656 | 1.437 | 2.687 | 4.993 | 1.816 | 0.671 | Pink | I-99 | 1.250 | 0.991 |
| CLNS-750-38 | 750kcmil | 600 G,H,I,K,M FLEX 646.4 DLO | 750kcmil - 500kcmil | 3/8 | 0.406 | 0.875 | 2.875 | 4.652 | 1.901 | 0.414 | Black | I-106 | 1.313 | 1.031 |
| CLNS-750-12 | 750kcmil | 600 G,H,I,K,M FLEX 646.4 DLO | 750kcmil - 500kcmil | 1/2 | 0.562 | 1.250 | 2.875 | 5.027 | 1.901 | 0.546 | Black | I-106 | 1.313 | 1.031 |
| CLNS-750-58 | 750kcmil | 600 G,H,I,K,M FLEX 646.4 DLO | 750kcmil - 500kcmil | 5/8 | 0.656 | 1.437 | 2.875 | 5.214 | 1.901 | 0.671 | Black | I-106 | 1.313 | 1.031 |
| CLNS-1000-38 | 1000kcmil | 750 G,H,I FLEX 777.7 DLO | 1000kcmil - 750kcmil | 3/8 | 0.406 | 0.875 | 3.000 | 4.900 | 2.169 | 0.414 | White | I-125 | 1.500 | 1.172 |
| CLNS-1000-12 | 1000kcmil | 750 G,H,I FLEX 777.7 DLO | 1000kcmil - 750kcmil | 1/2 | 0.562 | 1.250 | 3.000 | 5.275 | 2.169 | 0.546 | White | I-125 | 1.500 | 1.172 |
| CLNS-1000-58 | 1000kcmil | 750 G,H,I FLEX 777.7 DLO | 1000kcmil - 750kcmil | 5/8 | 0.656 | 1.437 | 3.000 | 5.462 | 2.169 | 0.671 | White | I-125 | 1.500 | 1.172 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools

See pages 87 to 97 for complete tooling information.

For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg.

Tested to UL 486A/B, UL File E6207

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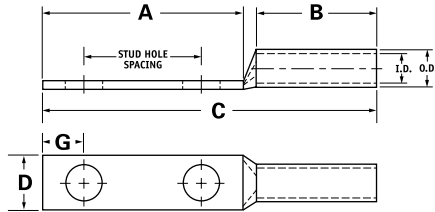
TYPE CLWD

Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG , #8 - #2 SOL
- For direct bury 500 kcmil - 10
- Rated to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements
- For grounding and bonding applications



| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Bolt Size | Stud Hole Dia. | Stud Hole Spacing | Dimensions | | | | | Die Color Code | Die Index | O.D. | I.D. |
|----------------|-----------|-----------------|----------------------|-----------|----------------|-------------------|------------|-------|-------|-------|-------|----------------|-----------|-------|-------|
| | | | | | | | A | B | C | D | G | | | | |
| CLWD-8-10-58 | #8 AWG | #8 FLEX, #8 SOL | - | 10 | 0.219 | 0.625 | 1.250 | 0.812 | 2.257 | 0.374 | 0.258 | Red | I-21 | 0.272 | 0.179 |
| CLWD-8-10-34 | #8 AWG | #8 FLEX, #8 SOL | - | 10 | 0.219 | 0.750 | 1.437 | 0.812 | 2.444 | 0.374 | 0.258 | Red | I-21 | 0.272 | 0.179 |
| CLWD-8-14-58 | #8 AWG | #8 FLEX, #8 SOL | - | 1/4 | 0.281 | 0.625 | 1.437 | 0.812 | 2.444 | 0.486 | 0.320 | Red | I-21 | 0.272 | 0.179 |
| CLWD-8-14-34 | #8 AWG | #8 FLEX, #8 SOL | - | 1/4 | 0.281 | 0.750 | 1.437 | 0.812 | 2.444 | 0.486 | 0.320 | Red | I-21 | 0.272 | 0.179 |
| CLWD-8-14-1 | #8 AWG | #8 FLEX, #8 SOL | - | 1/4 | 0.281 | 1.000 | 1.687 | 0.812 | 2.694 | 0.486 | 0.320 | Red | I-21 | 0.272 | 0.179 |
| CLWD-8-38-1 | #8 AWG | #8 FLEX, #8 SOL | - | 3/8 | 0.406 | 1.000 | 1.937 | 0.812 | 2.944 | 0.593 | 0.414 | Red | I-21 | 0.272 | 0.179 |
| CLWD-6-10-12 | #6 AWG | #6 FLEX, #6 SOL | - | 10 | 0.219 | 0.500 | 1.250 | 1.125 | 2.570 | 0.440 | 0.258 | Blue | I-24 | 0.320 | 0.225 |
| CLWD-6-10-58 | #6 AWG | #6 FLEX, #6 SOL | - | 10 | 0.219 | 0.625 | 1.250 | 1.125 | 2.570 | 0.440 | 0.258 | Blue | I-24 | 0.320 | 0.225 |
| CLWD-6-10-1116 | #6 AWG | #6 FLEX, #6 SOL | - | 10 | 0.219 | 0.687 | 1.250 | 1.125 | 2.570 | 0.440 | 0.258 | Blue | I-24 | 0.320 | 0.225 |
| CLWD-6-10-34 | #6 AWG | #6 FLEX, #6 SOL | - | 10 | 0.219 | 0.750 | 1.437 | 1.125 | 2.757 | 0.440 | 0.258 | Blue | I-24 | 0.320 | 0.225 |
| CLWD-6-14-12 | #6 AWG | #6 FLEX, #6 SOL | - | 1/4 | 0.281 | 0.500 | 1.250 | 1.125 | 2.570 | 0.440 | 0.320 | Blue | I-24 | 0.320 | 0.225 |
| CLWD-6-14-58 | #6 AWG | #6 FLEX, #6 SOL | - | 1/4 | 0.281 | 0.625 | 1.437 | 1.125 | 2.757 | 0.440 | 0.320 | Blue | I-24 | 0.320 | 0.225 |
| CLWD-6-14-34 | #6 AWG | #6 FLEX, #6 SOL | - | 1/4 | 0.281 | 0.750 | 1.437 | 1.125 | 2.757 | 0.440 | 0.320 | Blue | I-24 | 0.320 | 0.225 |
| CLWD-6-14-1 | #6 AWG | #6 FLEX, #6 SOL | - | 1/4 | 0.281 | 1.000 | 1.687 | 1.125 | 3.007 | 0.440 | 0.320 | Blue | I-24 | 0.320 | 0.225 |
| CLWD-6-516-34 | #6 AWG | #6 FLEX, #6 SOL | - | 5/16 | 0.343 | 0.750 | 1.687 | 1.125 | 3.007 | 0.530 | 0.352 | Blue | I-24 | 0.320 | 0.225 |
| CLWD-6-516-1 | #6 AWG | #6 FLEX, #6 SOL | - | 5/16 | 0.343 | 1.000 | 1.937 | 1.125 | 3.257 | 0.530 | 0.352 | Blue | I-24 | 0.320 | 0.225 |
| CLWD-6-38-34 | #6 AWG | #6 FLEX, #6 SOL | - | 3/8 | 0.406 | 0.750 | 1.687 | 1.125 | 3.007 | 0.598 | 0.414 | Blue | I-24 | 0.320 | 0.225 |
| CLWD-6-38-78 | #6 AWG | #6 FLEX, #6 SOL | - | 3/8 | 0.406 | 0.875 | 1.937 | 1.125 | 3.257 | 0.598 | 0.414 | Blue | I-24 | 0.320 | 0.225 |
| CLWD-6-38-1 | #6 AWG | #6 FLEX, #6 SOL | - | 3/8 | 0.406 | 1.000 | 1.937 | 1.125 | 3.257 | 0.598 | 0.414 | Blue | I-24 | 0.320 | 0.225 |
| CLWD-6-12-134 | #6 AWG | #6 FLEX, #6 SOL | - | 1/2 | 0.562 | 1.750 | 3.000 | 1.125 | 4.320 | 0.755 | 0.546 | Blue | I-24 | 0.320 | 0.225 |
| CLWD-4-10-58 | #4 AWG | #4 SOL | 4-6 AWG | 10 | 0.219 | 0.625 | 1.250 | 1.125 | 2.609 | 0.486 | 0.258 | Gray | I-29 | 0.343 | 0.250 |
| CLWD-4-10-34 | #4 AWG | #4 SOL | 4-6 AWG | 10 | 0.219 | 0.750 | 1.437 | 1.125 | 2.796 | 0.486 | 0.258 | Gray | I-29 | 0.343 | 0.250 |
| CLWD-4-10-1 | #4 AWG | #4 SOL | 4-6 AWG | 10 | 0.219 | 1.000 | 1.687 | 1.125 | 3.046 | 0.486 | 0.258 | Gray | I-29 | 0.343 | 0.250 |
| CLWD-4-14-58 | #4 AWG | #4 SOL | 4-6 AWG | 1/4 | 0.281 | 0.625 | 1.437 | 1.125 | 2.796 | 0.486 | 0.320 | Gray | I-29 | 0.343 | 0.250 |
| CLWD-4-14-34 | #4 AWG | #4 SOL | 4-6 AWG | 1/4 | 0.281 | 0.750 | 1.437 | 1.125 | 2.796 | 0.486 | 0.320 | Gray | I-29 | 0.343 | 0.250 |
| CLWD-4-14-1 | #4 AWG | #4 SOL | 4-6 AWG | 1/4 | 0.281 | 1.000 | 1.687 | 1.125 | 3.046 | 0.486 | 0.320 | Gray | I-29 | 0.343 | 0.250 |
| CLWD-4-516-58 | #4 AWG | #4 SOL | 4-6 AWG | 5/16 | 0.343 | 0.625 | 1.437 | 1.125 | 2.796 | 0.486 | 0.352 | Gray | I-29 | 0.343 | 0.250 |
| CLWD-4-516-34 | #4 AWG | #4 SOL | 4-6 AWG | 5/16 | 0.343 | 0.750 | 1.687 | 1.125 | 3.046 | 0.486 | 0.352 | Gray | I-29 | 0.343 | 0.250 |
| CLWD-4-516-1 | #4 AWG | #4 SOL | 4-6 AWG | 5/16 | 0.343 | 1.000 | 1.937 | 1.125 | 3.296 | 0.486 | 0.352 | Gray | I-29 | 0.343 | 0.250 |
| CLWD-4-38-34 | #4 AWG | #4 SOL | 4-6 AWG | 3/8 | 0.406 | 0.750 | 1.687 | 1.125 | 3.046 | 0.593 | 0.414 | Gray | I-29 | 0.343 | 0.250 |
| CLWD-4-38-1 | #4 AWG | #4 SOL | 4-6 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 1.125 | 3.296 | 0.593 | 0.414 | Gray | I-29 | 0.343 | 0.250 |
| CLWD-4-12-134 | #4 AWG | #4 SOL | 4-6 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 1.125 | 4.359 | 0.750 | 0.546 | Gray | I-29 | 0.343 | 0.250 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools See pages 87 to 97 for complete tooling information.

For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg.

Tested to UL 486A/B, UL File E6207

TYPE CLWD

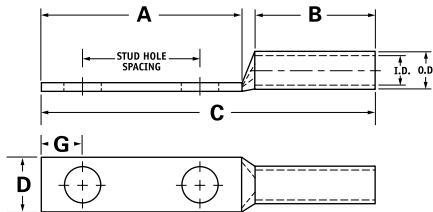
Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG , #8 - #2 SOL
- For direct bury 500 kcmil - 10
- Rated to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements
- For grounding and bonding applications

A



| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Bolt Size | Stud Hole Dia. | Stud Hole Spacing | Dimensions | | | | | Die Color Code | Die Index | O.D. | I.D. |
|----------------|-----------|---------------|----------------------|-----------|----------------|-------------------|------------|-------|-------|-------|-------|----------------|-----------|-------|-------|
| | | | | | | | A | B | C | D | G | | | | |
| CLWD-3-14-58 | #3 AWG | #4 FLEX | 3-6 AWG | 1/4 | 0.281 | 0.625 | 1.437 | 1.125 | 2.817 | 0.532 | 0.320 | White | I-29 | 0.375 | 0.275 |
| CLWD-3-14-34 | #3 AWG | #4 FLEX | 3-6 AWG | 1/4 | 0.281 | 0.750 | 1.437 | 1.125 | 2.817 | 0.532 | 0.320 | White | I-29 | 0.375 | 0.275 |
| CLWD-3-516-58 | #3 AWG | #4 FLEX | 3-6 AWG | 5/16 | 0.343 | 0.625 | 1.437 | 1.125 | 2.817 | 0.532 | 0.352 | White | I-29 | 0.375 | 0.275 |
| CLWD-3-516-1 | #3 AWG | #4 FLEX | 3-6 AWG | 5/16 | 0.343 | 1.000 | 1.937 | 1.125 | 3.317 | 0.532 | 0.352 | White | I-29 | 0.375 | 0.275 |
| CLWD-3-38-34 | #3 AWG | #4 FLEX | 3-6 AWG | 3/8 | 0.406 | 0.750 | 1.687 | 1.125 | 3.067 | 0.593 | 0.414 | White | I-29 | 0.375 | 0.275 |
| CLWD-3-38-1 | #3 AWG | #4 FLEX | 3-6 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 1.125 | 3.317 | 0.593 | 0.414 | White | I-29 | 0.375 | 0.275 |
| CLWD-3-12-134 | #3 AWG | #4 FLEX | 3-6 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 1.125 | 4.380 | 0.750 | 0.546 | White | I-29 | 0.375 | 0.275 |
| CLWD-2-10-34 | #2 AWG | #2 SOL | 2-6 AWG | 10 | 0.219 | 0.750 | 1.437 | 1.125 | 2.848 | 0.599 | 0.258 | Brown | I-33 | 0.421 | 0.312 |
| CLWD-2-14-58 | #2 AWG | #2 SOL | 2-6 AWG | 1/4 | 0.281 | 0.625 | 1.437 | 1.125 | 2.848 | 0.599 | 0.320 | Brown | I-33 | 0.421 | 0.312 |
| CLWD-2-14-34 | #2 AWG | #2 SOL | 2-6 AWG | 1/4 | 0.281 | 0.750 | 1.437 | 1.125 | 2.848 | 0.599 | 0.320 | Brown | I-33 | 0.421 | 0.312 |
| CLWD-2-14-1 | #2 AWG | #2 SOL | 2-6 AWG | 1/4 | 0.281 | 1.000 | 1.687 | 1.125 | 3.098 | 0.599 | 0.320 | Brown | I-33 | 0.421 | 0.312 |
| CLWD-2-516-58 | #2 AWG | #2 SOL | 2-6 AWG | 5/16 | 0.343 | 0.625 | 1.687 | 1.125 | 3.098 | 0.599 | 0.352 | Brown | I-33 | 0.421 | 0.312 |
| CLWD-2-516-34 | #2 AWG | #2 SOL | 2-6 AWG | 5/16 | 0.343 | 0.750 | 1.687 | 1.125 | 3.098 | 0.599 | 0.352 | Brown | I-33 | 0.421 | 0.312 |
| CLWD-2-516-1 | #2 AWG | #2 SOL | 2-6 AWG | 5/16 | 0.343 | 1.000 | 1.937 | 1.125 | 3.348 | 0.599 | 0.352 | Brown | I-33 | 0.421 | 0.312 |
| CLWD-2-38-58 | #2 AWG | #2 SOL | 2-6 AWG | 3/8 | 0.406 | 0.625 | 1.687 | 1.125 | 3.098 | 0.599 | 0.414 | Brown | I-33 | 0.421 | 0.312 |
| CLWD-2-38-34 | #2 AWG | #2 SOL | 2-6 AWG | 3/8 | 0.406 | 0.750 | 1.687 | 1.125 | 3.098 | 0.599 | 0.414 | Brown | I-33 | 0.421 | 0.312 |
| CLWD-2-38-78 | #2 AWG | #2 SOL | 2-6 AWG | 3/8 | 0.406 | 0.875 | 1.937 | 1.125 | 3.348 | 0.599 | 0.414 | Brown | I-33 | 0.421 | 0.312 |
| CLWD-2-38-1 | #2 AWG | #2 SOL | 2-6 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 1.125 | 3.348 | 0.599 | 0.414 | Brown | I-33 | 0.421 | 0.312 |
| CLWD-2-38-134 | #2 AWG | #2 SOL | 2-6 AWG | 3/8 | 0.406 | 1.750 | 2.625 | 1.125 | 4.036 | 0.599 | 0.414 | Brown | I-33 | 0.421 | 0.312 |
| CLWD-2-12-134 | #2 AWG | #2 SOL | 2-6 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 1.125 | 4.411 | 0.750 | 0.546 | Brown | I-33 | 0.421 | 0.312 |
| CLWD-1-14-58 | #1 AWG | #2 FLEX | 1-6 AWG | 1/4 | 0.281 | 0.625 | 1.437 | 1.375 | 3.142 | 0.673 | 0.320 | Green | I-37 | 0.468 | 0.359 |
| CLWD-1-14-34 | #1 AWG | #2 FLEX | 1-6 AWG | 1/4 | 0.281 | 0.750 | 1.437 | 1.375 | 3.142 | 0.673 | 0.320 | Green | I-37 | 0.468 | 0.359 |
| CLWD-1-14-1 | #1 AWG | #2 FLEX | 1-6 AWG | 1/4 | 0.281 | 1.000 | 1.687 | 1.375 | 3.392 | 0.673 | 0.320 | Green | I-37 | 0.468 | 0.359 |
| CLWD-1-516-78 | #1 AWG | #2 FLEX | 1-6 AWG | 5/16 | 0.343 | 0.875 | 1.687 | 1.375 | 3.392 | 0.673 | 0.352 | Green | I-37 | 0.468 | 0.359 |
| CLWD-1-516-1 | #1 AWG | #2 FLEX | 1-6 AWG | 5/16 | 0.343 | 1.000 | 1.937 | 1.375 | 3.642 | 0.673 | 0.352 | Green | I-37 | 0.468 | 0.359 |
| CLWD-1-38-1 | #1 AWG | #2 FLEX | 1-6 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 1.375 | 3.642 | 0.673 | 0.414 | Green | I-37 | 0.468 | 0.359 |
| CLWD-1-12-134 | #1 AWG | #2 FLEX | 1-6 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 1.375 | 4.705 | 0.750 | 0.546 | Green | I-37 | 0.468 | 0.359 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools

See pages 87 to 97 for complete tooling information.

For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg.

Tested to UL 486A/B, UL File E6207

A

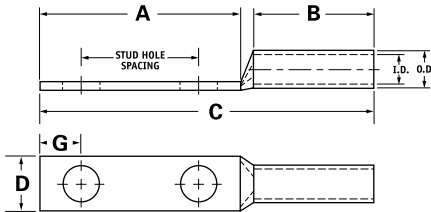
TYPE CLWD

Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG , #8 - #2 SOL
- For direct bury 500 kcmil - 10
- Rated to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements
- For grounding and bonding applications



| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Bolt Size | Stud Hole Dia. | Stud Hole Spacing | Dimensions | | | | | Die Color Code | Die Index | O.D. | I.D. |
|-----------------|-----------|---------------|----------------------|-----------|----------------|-------------------|------------|-------|-------|-------|-------|----------------|-----------|-------|-------|
| | | | | | | | A | B | C | D | G | | | | |
| CLWD-1/0-14-58 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 1/4 | 0.281 | 0.625 | 1.437 | 1.500 | 3.293 | 0.738 | 0.320 | Pink | I-42 | 0.515 | 0.390 |
| CLWD-1/0-14-34 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 1/4 | 0.281 | 0.750 | 1.437 | 1.500 | 3.293 | 0.738 | 0.320 | Pink | I-42 | 0.515 | 0.390 |
| CLWD-1/0-14-1 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 1/4 | 0.281 | 1.000 | 1.687 | 1.500 | 3.543 | 0.738 | 0.320 | Pink | I-42 | 0.515 | 0.390 |
| CLWD-1/0-516-34 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 5/16 | 0.343 | 0.750 | 1.687 | 1.500 | 3.543 | 0.738 | 0.352 | Pink | I-42 | 0.515 | 0.390 |
| CLWD-1/0-516-78 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 5/16 | 0.343 | 0.875 | 1.687 | 1.500 | 3.543 | 0.738 | 0.352 | Pink | I-42 | 0.515 | 0.390 |
| CLWD-1/0-516-1 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 5/16 | 0.343 | 1.000 | 1.937 | 1.500 | 3.793 | 0.738 | 0.352 | Pink | I-42 | 0.515 | 0.390 |
| CLWD-1/0-38-1 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 1.500 | 3.793 | 0.738 | 0.414 | Pink | I-42 | 0.515 | 0.390 |
| CLWD-1/0-38-134 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 3/8 | 0.406 | 1.750 | 2.625 | 1.500 | 4.481 | 0.738 | 0.414 | Pink | I-42 | 0.515 | 0.390 |
| CLWD-1/0-12-1 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 1/2 | 0.562 | 1.000 | 2.125 | 1.500 | 3.981 | 0.738 | 0.546 | Pink | I-42 | 0.515 | 0.390 |
| CLWD-1/0-12-134 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 1.500 | 4.856 | 0.738 | 0.546 | Pink | I-42 | 0.515 | 0.390 |
| CLWD-2/0-14-58 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 1/4 | 0.281 | 0.625 | 1.437 | 1.500 | 3.333 | 0.811 | 0.320 | Black | I-45 | 0.562 | 0.437 |
| CLWD-2/0-14-34 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 1/4 | 0.281 | 0.750 | 1.437 | 1.500 | 3.333 | 0.811 | 0.320 | Black | I-45 | 0.562 | 0.437 |
| CLWD-2/0-14-1 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 1/4 | 0.281 | 1.000 | 1.687 | 1.500 | 3.583 | 0.811 | 0.320 | Black | I-45 | 0.562 | 0.437 |
| CLWD-2/0-516-1 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 5/16 | 0.343 | 1.000 | 1.937 | 1.500 | 3.833 | 0.811 | 0.352 | Black | I-45 | 0.562 | 0.437 |
| CLWD-2/0-38-1 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 1.500 | 3.833 | 0.811 | 0.414 | Black | I-45 | 0.562 | 0.437 |
| CLWD-2/0-38-134 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 3/8 | 0.406 | 1.750 | 2.625 | 1.500 | 4.521 | 0.811 | 0.414 | Black | I-45 | 0.562 | 0.437 |
| CLWD-2/0-12-1 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 1/2 | 0.562 | 1.000 | 2.125 | 1.500 | 4.021 | 0.811 | 0.546 | Black | I-45 | 0.562 | 0.437 |
| CLWD-2/0-12-134 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 1.500 | 4.896 | 0.811 | 0.546 | Black | I-45 | 0.562 | 0.437 |
| CLWD-3/0-14-58 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 1/4 | 0.281 | 0.625 | 1.437 | 1.500 | 3.376 | 0.885 | 0.320 | Orange | I-50 | 0.609 | 0.484 |
| CLWD-3/0-14-34 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 1/4 | 0.281 | 0.750 | 1.437 | 1.500 | 3.376 | 0.885 | 0.320 | Orange | I-50 | 0.609 | 0.484 |
| CLWD-3/0-516-1 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 5/16 | 0.343 | 1.000 | 1.937 | 1.500 | 3.876 | 0.885 | 0.352 | Orange | I-50 | 0.609 | 0.484 |
| CLWD-3/0-38-1 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 1.500 | 3.876 | 0.885 | 0.414 | Orange | I-50 | 0.609 | 0.484 |
| CLWD-3/0-12-134 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 1.500 | 4.939 | 0.885 | 0.546 | Orange | I-50 | 0.609 | 0.484 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools

See pages 87 to 97 for complete tooling information.

For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg.

Tested to UL 486A/B, UL File E6207

TYPE CLWD

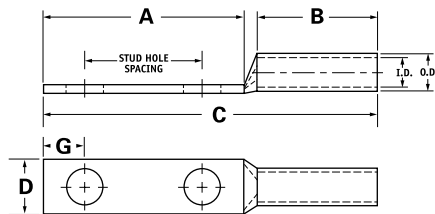
Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG , #8 - #2 SOL
- For direct bury 500 kcmil - 10
- Rated to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements
- For grounding and bonding applications

A



| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Bolt Size | Stud Hole Dia. | Stud Hole Spacing | Dimensions | | | | | Die Color Code | Die Index | O.D. | I.D. |
|------------------|-----------|---------------|----------------------|-----------|----------------|-------------------|------------|-------|-------|-------|-------|----------------|-----------|-------|-------|
| | | | | | | | A | B | C | D | G | | | | |
| CLWD-4/0-14-58 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 1/4 | 0.281 | 0.625 | 1.437 | 1.500 | 3.428 | 0.999 | 0.320 | Purple | I-54 | 0.687 | 0.546 |
| CLWD-4/0-14-34 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 1/4 | 0.281 | 0.750 | 1.437 | 1.500 | 3.428 | 0.999 | 0.320 | Purple | I-54 | 0.687 | 0.546 |
| CLWD-4/0-14-1 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 1/4 | 0.281 | 1.000 | 1.687 | 1.500 | 3.678 | 0.999 | 0.320 | Purple | I-54 | 0.687 | 0.546 |
| CLWD-4/0-516-34 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 5/16 | 0.343 | 0.750 | 1.687 | 1.500 | 3.678 | 0.999 | 0.352 | Purple | I-54 | 0.687 | 0.546 |
| CLWD-4/0-516-1 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 5/16 | 0.343 | 1.000 | 1.937 | 1.500 | 3.928 | 0.999 | 0.352 | Purple | I-54 | 0.687 | 0.546 |
| CLWD-4/0-516-134 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 5/16 | 0.343 | 1.750 | 2.500 | 1.500 | 4.491 | 0.999 | 0.352 | Purple | I-54 | 0.687 | 0.546 |
| CLWD-4/0-38-1 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 1.500 | 3.928 | 0.999 | 0.414 | Purple | I-54 | 0.687 | 0.546 |
| CLWD-4/0-38-134 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 3/8 | 0.406 | 1.750 | 2.625 | 1.500 | 4.616 | 0.999 | 0.414 | Purple | I-54 | 0.687 | 0.546 |
| CLWD-4/0-12-1 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 1/2 | 0.562 | 1.000 | 2.125 | 1.500 | 4.116 | 0.999 | 0.546 | Purple | I-54 | 0.687 | 0.546 |
| CLWD-4/0-12-114 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 1/2 | 0.562 | 1.250 | 2.500 | 1.500 | 4.491 | 0.999 | 0.546 | Purple | I-54 | 0.687 | 0.546 |
| CLWD-4/0-12-134 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 1.500 | 4.991 | 0.999 | 0.546 | Purple | I-54 | 0.687 | 0.546 |
| CLWD-250-14-34 | 250kcmil | 4/0 FLEX | 250kcmil - 1/0 AWG | 1/4 | 0.281 | 0.750 | 1.437 | 1.688 | 3.656 | 1.088 | 0.320 | Yellow | I-62 | 0.750 | 0.593 |
| CLWD-250-38-1 | 250kcmil | 4/0 FLEX | 250kcmil - 1/0 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 1.688 | 4.156 | 1.088 | 0.414 | Yellow | I-62 | 0.750 | 0.593 |
| CLWD-250-38-134 | 250kcmil | 4/0 FLEX | 250kcmil - 1/0 AWG | 3/8 | 0.406 | 1.750 | 2.625 | 1.688 | 4.844 | 1.088 | 0.414 | Yellow | I-62 | 0.750 | 0.593 |
| CLWD-250-12-114 | 250kcmil | 4/0 FLEX | 250kcmil - 1/0 AWG | 1/2 | 0.562 | 1.250 | 2.500 | 1.688 | 4.719 | 1.088 | 0.546 | Yellow | I-62 | 0.750 | 0.593 |
| CLWD-250-12-134 | 250kcmil | 4/0 FLEX | 250kcmil - 1/0 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 1.688 | 5.219 | 1.088 | 0.546 | Yellow | I-62 | 0.750 | 0.593 |
| CLWD-300-38-1 | 300kcmil | 250 G,H FLEX | 300kcmil - 2/0 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 2.000 | 4.524 | 1.189 | 0.414 | White | I-66 | 0.812 | 0.660 |
| CLWD-300-12-134 | 300kcmil | 250 G,H FLEX | 300kcmil - 2/0 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 2.000 | 5.587 | 1.189 | 0.546 | White | I-66 | 0.812 | 0.660 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools

See pages 87 to 97 for complete tooling information.

For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg.

Tested to UL 486A/B, UL File E6207

A

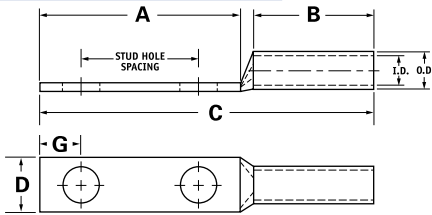
TYPE CLWD

Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG , #8 - #2 SOL
- For direct bury 500 kcmil - 10
- Rated to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements
- For grounding and bonding applications



| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Bolt Size | Stud Hole Dia. | Stud Hole Spacing | Dimensions | | | | | Die Color Code | Die Index | O.D. | I.D. |
|------------------|-----------|---------------------------------|------------------------|-----------|----------------|-------------------|------------|-------|-------|-------|--------|----------------|-----------|-------|-------|
| | | | | | | | A | B | C | D | G | | | | |
| CLWD-350-14-34 | 350kcmil | 250 I,K,M FLEX 262.2 DLO | 350kcmil - 3/0 AWG | 1/4 | 0.281 | 0.750 | 1.437 | 2.000 | 4.060 | 1.291 | 0.320 | Red | I-71 | 0.890 | 0.703 |
| CLWD-350-516-134 | 350kcmil | 250 I,K,M FLEX 262.2 DLO | 350kcmil - 3/0 AWG | 5/16 | 0.343 | 1.750 | 2.500 | 2.000 | 5.123 | 1.291 | 0.352 | Red | I-71 | 0.890 | 0.703 |
| CLWD-350-38-1 | 350kcmil | 250 I,K,M FLEX 262.2 DLO | 350kcmil - 3/0 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 2.000 | 4.560 | 1.291 | 0.414 | Red | I-71 | 0.890 | 0.703 |
| CLWD-350-12-114 | 350kcmil | 250 I,K,M FLEX 262.2 DLO | 350kcmil - 3/0 AWG | 1/2 | 0.562 | 1.250 | 2.500 | 2.000 | 5.123 | 1.291 | 0.546 | Red | I-71 | 0.890 | 0.703 |
| CLWD-350-12-134 | 350kcmil | 250 I,K,M FLEX 262.2 DLO | 350kcmil - 3/0 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 2.000 | 5.623 | 1.291 | 0.546 | Red | I-71 | 0.890 | 0.703 |
| CLWD-400-38-1 | 400kcmil | 300 G,H,I,K,M FLEX 313.1 DLO | 400kcmil - 4/0 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 2.125 | 4.729 | 1.365 | 0.414 | Blue | I-76 | 0.937 | 0.750 |
| CLWD-400-38-116 | 400kcmil | 300 G,H,I,K,M FLEX 313.1 DLO | 400kcmil - 4/0 AWG | 3/8 | 0.406 | 1.062 | 1.937 | 2.125 | 4.729 | 1.365 | 0.414 | Blue | I-76 | 0.937 | 0.750 |
| CLWD-400-12-134 | 400kcmil | 300 G,H,I,K,M FLEX 313.1 DLO | 400kcmil - 4/0 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 2.125 | 5.792 | 1.365 | 0.546 | Blue | I-76 | 0.937 | 0.750 |
| CLWD-500-14-34 | 500kcmil | 350 G,H,I,K,M FLEX 373.7 DLO | 500kcmil - 250kcmil | 1/4 | 0.281 | 0.750 | 1.437 | 2.250 | 4.419 | 1.535 | 0.320 | Brown | I-87 | 1.062 | 0.828 |
| CLWD-500-38-1 | 500kcmil | 350 G,H,I,K,M FLEX 373.7 DLO | 500kcmil - 250kcmil | 3/8 | 0.406 | 1.000 | 1.937 | 2.250 | 4.919 | 1.535 | 0.414 | Brown | I-87 | 1.062 | 0.828 |
| CLWD-500-12-114 | 500kcmil | 350 G,H,I,K,M FLEX 373.7 DLO | 500kcmil - 250kcmil | 1/2 | 0.562 | 1.250 | 2.500 | 2.250 | 5.482 | 1.535 | 0.546 | Brown | I-87 | 1.062 | 0.828 |
| CLWD-500-12-134 | 500kcmil | 350 G,H,I,K,M FLEX 373.7 DLO | 500kcmil - 250kcmil | 1/2 | 0.562 | 1.750 | 3.000 | 2.250 | 5.982 | 1.535 | 0.546 | Brown | I-87 | 1.062 | 0.828 |
| CLWD-600-38-1 | 600kcmil | 400 G,H,I,K,M FLEX 444.4 DLO | 600kcmil - 250kcmil | 3/8 | 0.406 | 1.000 | 1.937 | 2.687 | 5.433 | 1.712 | 0.414 | Green | I-94 | 1.187 | 0.920 |
| CLWD-600-12-134 | 600kcmil | 400 G,H,I,K,M FLEX 444.4 DLO | 600kcmil - 250kcmil | 1/2 | 0.562 | 1.750 | 3.000 | 2.687 | 6.496 | 1.712 | 0.546 | Green | I-94 | 1.187 | 0.920 |
| CLWD-650-12-114 | 650kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 650kcmil - 350kcmil | 1/2 | 0.562 | 1.250 | 2.500 | 2.687 | 6.056 | 1.764 | 0.546 | Pink | I-99 | 1.217 | 0.958 |
| CLWD-650-12-134 | 650kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 650kcmil - 350kcmil | 1/2 | 0.562 | 1.750 | 3.000 | 2.687 | 6.556 | 1.764 | 0.546 | Pink | I-99 | 1.217 | 0.958 |
| CLWD-650-38-1 | 650kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 650kcmil - 350kcmil | 3/8 | 0.406 | 1.000 | 1.937 | 2.687 | 5.493 | 1.764 | 0.414 | Pink | I-99 | 1.217 | 0.958 |
| CLWD-650-38-118 | 650kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 650kcmil - 350kcmil | 3/8 | 0.406 | 1.125 | 2.125 | 2.687 | 5.681 | 1.764 | 0.414 | Pink | I-99 | 1.217 | 0.958 |
| CLWD-650-516-1 | 650kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 650kcmil - 350kcmil | 1/32 | 0.343 | 1.000 | 1.937 | 2.687 | 5.493 | 1.764 | 0.3515 | Pink | I-99 | 1.217 | 0.958 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools. See pages 87 to 97 for complete tooling information. For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg.

Tested to UL 486A/B, UL File E6207

TYPE CLWD

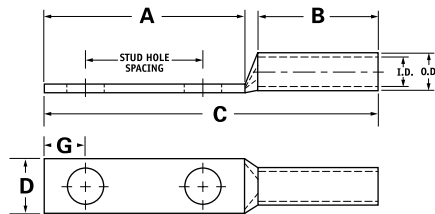
Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG , #8 - #2 SOL
- Rated to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements

A



| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Bolt Size | Stud Hole Dia. | Stud Hole Spacing | Dimensions | | | | | Die Color Code | Die Index | O.D. | I.D. |
|------------------|-----------|---------------------------------|-------------------------|-----------|----------------|-------------------|------------|-------|-------|-------|-------|----------------|-----------|-------|-------|
| | | | | | | | A | B | C | D | G | | | | |
| CLWD-700-38-1 | 700kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 700kcmil - 350kcmil | 3/8 | 0.406 | 1.000 | 1.937 | 2.687 | 5.493 | 1.816 | 0.414 | Pink | I-99 | 1.250 | 0.991 |
| CLWD-700-38-118 | 700kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 700kcmil - 350kcmil | 3/8 | 0.406 | 1.125 | 2.125 | 2.687 | 5.681 | 1.816 | 0.414 | Pink | I-99 | 1.250 | 0.991 |
| CLWD-700-12-112 | 700kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 700kcmil - 350kcmil | 1/2 | 0.562 | 1.500 | 2.625 | 2.687 | 6.181 | 1.816 | 0.546 | Pink | I-99 | 1.250 | 0.991 |
| CLWD-700-12-134 | 700kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 700kcmil - 350kcmil | 1/2 | 0.562 | 1.750 | 3.000 | 2.687 | 6.556 | 1.816 | 0.546 | Pink | I-99 | 1.250 | 0.991 |
| CLWD-700-12-178 | 700kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 700kcmil - 350kcmil | 1/2 | 0.562 | 1.875 | 3.000 | 2.687 | 6.556 | 1.816 | 0.546 | Pink | I-99 | 1.250 | 0.991 |
| CLWD-750-38-1 | 750kcmil | 600 G,H,I,M FLEX 646.4 DLO | 750kcmil - 500kcmil | 3/8 | 0.406 | 1.000 | 1.937 | 2.875 | 5.714 | 1.901 | 0.414 | Black | I-106 | 1.313 | 1.031 |
| CLWD-750-38-118 | 750kcmil | 600 G,H,I,M FLEX 646.4 DLO | 750kcmil - 500kcmil | 3/8 | 0.406 | 1.125 | 2.125 | 2.875 | 5.902 | 1.901 | 0.414 | Black | I-106 | 1.313 | 1.031 |
| CLWD-750-12-112 | 750kcmil | 600 G,H,I,M FLEX 646.4 DLO | 750kcmil - 500kcmil | 1/2 | 0.562 | 1.500 | 2.625 | 2.875 | 6.402 | 1.901 | 0.546 | Black | I-106 | 1.313 | 1.031 |
| CLWD-750-12-134 | 750kcmil | 600 G,H,I,M FLEX 646.4 DLO | 750kcmil - 500kcmil | 1/2 | 0.562 | 1.750 | 3.000 | 2.875 | 6.777 | 1.901 | 0.546 | Black | I-106 | 1.313 | 1.031 |
| CLWD-750-58-112 | 750kcmil | 600 G,H,I,M FLEX 646.4 DLO | 750kcmil - 500kcmil | 5/8 | 0.656 | 1.500 | 3.000 | 2.875 | 6.777 | 1.901 | 0.671 | Black | I-106 | 1.313 | 1.031 |
| CLWD-1000-38-1 | 1000kcmil | 750 G,H,I FLEX 777.7 DLO | 1000kcmil - 750kcmil | 3/8 | 0.406 | 1.000 | 1.937 | 3.000 | 5.962 | 2.169 | 0.414 | White | I-125 | 1.500 | 1.172 |
| CLWD-1000-12-114 | 1000kcmil | 750 G,H,I FLEX 777.7 DLO | 1000kcmil - 750kcmil | 1/2 | 0.562 | 1.250 | 2.500 | 3.000 | 6.525 | 2.169 | 0.546 | White | I-125 | 1.500 | 1.172 |
| CLWD-1000-12-134 | 1000kcmil | 750 G,H,I FLEX 777.7 DLO | 1000kcmil - 750kcmil | 1/2 | 0.562 | 1.750 | 3.000 | 3.000 | 7.025 | 2.169 | 0.546 | White | I-125 | 1.500 | 1.172 |
| CLWD-1000-58-112 | 1000kcmil | 750 G,H,I FLEX 777.7 DLO | 1000kcmil - 750kcmil | 5/8 | 0.656 | 1.500 | 3.000 | 3.000 | 7.025 | 2.169 | 0.671 | White | I-125 | 1.500 | 1.172 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools

See pages 87 to 97 for complete tooling information.

For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg.

Tested to UL 486A/B, UL File E6207

A

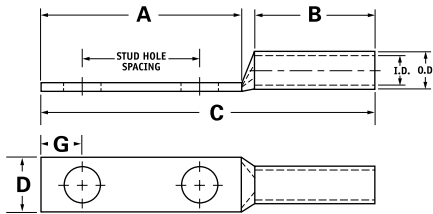
TYPE CLND

Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG , #8 - #2 SOL
- For direct bury 500 kcmil - 10
- Rated to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements
- For grounding and bonding applications



| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Bolt Size | Stud Hole Dia. | Stud Hole Spacing | Dimensions | | | | | Die Color Code | Die Index | O.D. | I.D. |
|----------------|-----------|-----------------|----------------------|-----------|----------------|-------------------|------------|-------|-------|-------|-------|----------------|-----------|-------|-------|
| | | | | | | | A | B | C | D | G | | | | |
| CLND-8-10-58 | #8 AWG | #8 FLEX, #8 SOL | - | 10 | 0.219 | 0.625 | 1.250 | 0.812 | 2.257 | 0.374 | 0.258 | Red | I-21 | 0.272 | 0.179 |
| CLND-8-10-34 | #8 AWG | #8 FLEX, #8 SOL | - | 10 | 0.219 | 0.750 | 1.437 | 0.812 | 2.444 | 0.374 | 0.258 | Red | I-21 | 0.272 | 0.179 |
| CLND-8-14-58 | #8 AWG | #8 FLEX, #8 SOL | - | 1/4 | 0.281 | 0.625 | 1.437 | 0.812 | 2.444 | 0.486 | 0.320 | Red | I-21 | 0.272 | 0.179 |
| CLND-8-14-34 | #8 AWG | #8 FLEX, #8 SOL | - | 1/4 | 0.281 | 0.750 | 1.437 | 0.812 | 2.444 | 0.486 | 0.320 | Red | I-21 | 0.272 | 0.179 |
| CLND-8-14-1 | #8 AWG | #8 FLEX, #8 SOL | - | 1/4 | 0.281 | 1.000 | 1.687 | 0.812 | 2.694 | 0.486 | 0.320 | Red | I-21 | 0.272 | 0.179 |
| CLND-8-38-1 | #8 AWG | #8 FLEX, #8 SOL | - | 3/8 | 0.406 | 1.000 | 1.937 | 0.812 | 2.944 | 0.593 | 0.414 | Red | I-21 | 0.272 | 0.179 |
| CLND-6-10-12 | #6 AWG | #6 FLEX, #6 SOL | - | 10 | 0.219 | 0.500 | 1.250 | 1.125 | 2.570 | 0.440 | 0.258 | Blue | I-24 | 0.320 | 0.225 |
| CLND-6-10-58 | #6 AWG | #6 FLEX, #6 SOL | - | 10 | 0.219 | 0.625 | 1.250 | 1.125 | 2.570 | 0.440 | 0.258 | Blue | I-24 | 0.320 | 0.225 |
| CLND-6-10-1116 | #6 AWG | #6 FLEX, #6 SOL | - | 10 | 0.219 | 0.687 | 1.250 | 1.125 | 2.570 | 0.440 | 0.258 | Blue | I-24 | 0.320 | 0.225 |
| CLND-6-10-34 | #6 AWG | #6 FLEX, #6 SOL | - | 10 | 0.219 | 0.750 | 1.437 | 1.125 | 2.757 | 0.440 | 0.258 | Blue | I-24 | 0.320 | 0.225 |
| CLND-6-14-12 | #6 AWG | #6 FLEX, #6 SOL | - | 1/4 | 0.281 | 0.500 | 1.250 | 1.125 | 2.570 | 0.440 | 0.320 | Blue | I-24 | 0.320 | 0.225 |
| CLND-6-14-58 | #6 AWG | #6 FLEX, #6 SOL | - | 1/4 | 0.281 | 0.625 | 1.437 | 1.125 | 2.757 | 0.440 | 0.320 | Blue | I-24 | 0.320 | 0.225 |
| CLND-6-14-34 | #6 AWG | #6 FLEX, #6 SOL | - | 1/4 | 0.281 | 0.750 | 1.437 | 1.125 | 2.757 | 0.440 | 0.320 | Blue | I-24 | 0.320 | 0.225 |
| CLND-6-14-1 | #6 AWG | #6 FLEX, #6 SOL | - | 1/4 | 0.281 | 1.000 | 1.687 | 1.125 | 3.007 | 0.440 | 0.320 | Blue | I-24 | 0.320 | 0.225 |
| CLND-6-516-34 | #6 AWG | #6 FLEX, #6 SOL | - | 5/16 | 0.343 | 0.750 | 1.687 | 1.125 | 3.007 | 0.530 | 0.352 | Blue | I-24 | 0.320 | 0.225 |
| CLND-6-516-1 | #6 AWG | #6 FLEX, #6 SOL | - | 5/16 | 0.343 | 1.000 | 1.937 | 1.125 | 3.257 | 0.530 | 0.352 | Blue | I-24 | 0.320 | 0.225 |
| CLND-6-38-34 | #6 AWG | #6 FLEX, #6 SOL | - | 3/8 | 0.406 | 0.750 | 1.687 | 1.125 | 3.007 | 0.598 | 0.414 | Blue | I-24 | 0.320 | 0.225 |
| CLND-6-38-78 | #6 AWG | #6 FLEX, #6 SOL | - | 3/8 | 0.406 | 0.875 | 1.937 | 1.125 | 3.257 | 0.598 | 0.414 | Blue | I-24 | 0.320 | 0.225 |
| CLND-6-38-1 | #6 AWG | #6 FLEX, #6 SOL | - | 3/8 | 0.406 | 1.000 | 1.937 | 1.125 | 3.257 | 0.598 | 0.414 | Blue | I-24 | 0.320 | 0.225 |
| CLND-6-12-134 | #6 AWG | #6 FLEX, #6 SOL | - | 1/2 | 0.562 | 1.750 | 3.000 | 1.125 | 4.320 | 0.755 | 0.546 | Blue | I-24 | 0.320 | 0.225 |
| CLND-4-10-58 | #4 AWG | #4 SOL | 4-6 AWG | 10 | 0.219 | 0.625 | 1.250 | 1.125 | 2.609 | 0.486 | 0.258 | Gray | I-29 | 0.343 | 0.250 |
| CLND-4-10-34 | #4 AWG | #4 SOL | 4-6 AWG | 10 | 0.219 | 0.750 | 1.437 | 1.125 | 2.796 | 0.486 | 0.258 | Gray | I-29 | 0.343 | 0.250 |
| CLND-4-10-1 | #4 AWG | #4 SOL | 4-6 AWG | 10 | 0.219 | 1.000 | 1.687 | 1.125 | 3.046 | 0.486 | 0.258 | Gray | I-29 | 0.343 | 0.250 |
| CLND-4-14-58 | #4 AWG | #4 SOL | 4-6 AWG | 1/4 | 0.281 | 0.625 | 1.437 | 1.125 | 2.796 | 0.486 | 0.320 | Gray | I-29 | 0.343 | 0.250 |
| CLND-4-14-34 | #4 AWG | #4 SOL | 4-6 AWG | 1/4 | 0.281 | 0.750 | 1.437 | 1.125 | 2.796 | 0.486 | 0.320 | Gray | I-29 | 0.343 | 0.250 |
| CLND-4-516-34 | #4 AWG | #4 SOL | 4-6 AWG | 5/16 | 0.343 | 0.750 | 1.687 | 1.125 | 3.046 | 0.486 | 0.352 | Gray | I-29 | 0.343 | 0.250 |
| CLND-4-516-1 | #4 AWG | #4 SOL | 4-6 AWG | 5/16 | 0.343 | 1.000 | 1.937 | 1.125 | 3.296 | 0.486 | 0.352 | Gray | I-29 | 0.343 | 0.250 |
| CLND-4-38-34 | #4 AWG | #4 SOL | 4-6 AWG | 3/8 | 0.406 | 0.750 | 1.687 | 1.125 | 3.046 | 0.593 | 0.414 | Gray | I-29 | 0.343 | 0.250 |
| CLND-4-38-1 | #4 AWG | #4 SOL | 4-6 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 1.125 | 3.296 | 0.593 | 0.414 | Gray | I-29 | 0.343 | 0.250 |
| CLND-4-12-134 | #4 AWG | #4 SOL | 4-6 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 1.125 | 4.359 | 0.750 | 0.546 | Gray | I-29 | 0.343 | 0.250 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools

See pages 87 to 97 for complete tooling information.

For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg.

Tested to UL 486A/B, UL File E6207

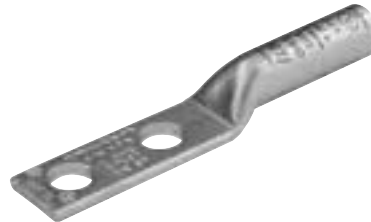
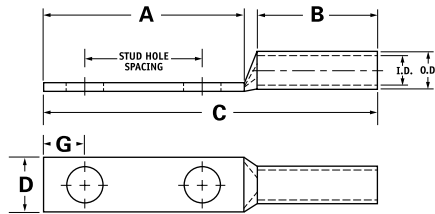
TYPE CLND

Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG , #8 - #2 SOL
- For direct bury 500 kcmil - 10
- Rated to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements
- For grounding and bonding applications



A

| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Bolt Size | Stud Hole Dia. | Stud Hole Spacing | Dimensions | | | | | Die Color Code | Die Index | O.D. | I.D. |
|----------------|-----------|---------------|----------------------|-----------|----------------|-------------------|------------|-------|-------|-------|-------|----------------|-----------|-------|-------|
| | | | | | | | A | B | C | D | G | | | | |
| CLND-3-14-58 | #3 AWG | #4 FLEX | 3-6 AWG | 1/4 | 0.281 | 0.625 | 1.437 | 1.125 | 2.817 | 0.532 | 0.320 | White | I-29 | 0.375 | 0.275 |
| CLND-3-14-34 | #3 AWG | #4 FLEX | 3-6 AWG | 1/4 | 0.281 | 0.750 | 1.437 | 1.125 | 2.817 | 0.532 | 0.320 | White | I-29 | 0.375 | 0.275 |
| CLND-3-516-58 | #3 AWG | #4 FLEX | 3-6 AWG | 5/16 | 0.343 | 0.625 | 1.437 | 1.125 | 2.817 | 0.532 | 0.352 | White | I-29 | 0.375 | 0.275 |
| CLND-3-516-1 | #3 AWG | #4 FLEX | 3-6 AWG | 5/16 | 0.343 | 1.000 | 1.937 | 1.125 | 3.317 | 0.532 | 0.352 | White | I-29 | 0.375 | 0.275 |
| CLND-3-38-34 | #3 AWG | #4 FLEX | 3-6 AWG | 3/8 | 0.406 | 0.750 | 1.687 | 1.125 | 3.067 | 0.593 | 0.414 | White | I-29 | 0.375 | 0.275 |
| CLND-3-38-1 | #3 AWG | #4 FLEX | 3-6 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 1.125 | 3.317 | 0.593 | 0.414 | White | I-29 | 0.375 | 0.275 |
| CLND-3-12-134 | #3 AWG | #4 FLEX | 3-6 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 1.125 | 4.380 | 0.750 | 0.546 | White | I-29 | 0.375 | 0.275 |
| CLND-2-10-34 | #2 AWG | #2 SOL | 2-6 AWG | 10 | 0.219 | 0.750 | 1.437 | 1.125 | 2.848 | 0.599 | 0.258 | Brown | I-33 | 0.421 | 0.312 |
| CLND-2-14-58 | #2 AWG | #2 SOL | 2-6 AWG | 1/4 | 0.281 | 0.625 | 1.437 | 1.125 | 2.848 | 0.599 | 0.320 | Brown | I-33 | 0.421 | 0.312 |
| CLND-2-14-34 | #2 AWG | #2 SOL | 2-6 AWG | 1/4 | 0.281 | 0.750 | 1.437 | 1.125 | 2.848 | 0.599 | 0.320 | Brown | I-33 | 0.421 | 0.312 |
| CLND-2-14-1 | #2 AWG | #2 SOL | 2-6 AWG | 1/4 | 0.281 | 1.000 | 1.687 | 1.125 | 3.098 | 0.599 | 0.320 | Brown | I-33 | 0.421 | 0.312 |
| CLND-2-516-34 | #2 AWG | #2 SOL | 2-6 AWG | 5/16 | 0.343 | 0.750 | 1.687 | 1.125 | 3.098 | 0.599 | 0.352 | Brown | I-33 | 0.421 | 0.312 |
| CLND-2-516-1 | #2 AWG | #2 SOL | 2-6 AWG | 5/16 | 0.343 | 1.000 | 1.937 | 1.125 | 3.348 | 0.599 | 0.352 | Brown | I-33 | 0.421 | 0.312 |
| CLND-2-38-34 | #2 AWG | #2 SOL | 2-6 AWG | 3/8 | 0.406 | 0.750 | 1.687 | 1.125 | 3.098 | 0.599 | 0.414 | Brown | I-33 | 0.421 | 0.312 |
| CLND-2-38-78 | #2 AWG | #2 SOL | 2-6 AWG | 3/8 | 0.406 | 0.875 | 1.937 | 1.125 | 3.348 | 0.599 | 0.414 | Brown | I-33 | 0.421 | 0.312 |
| CLND-2-38-1 | #2 AWG | #2 SOL | 2-6 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 1.125 | 3.348 | 0.599 | 0.414 | Brown | I-33 | 0.421 | 0.312 |
| CLND-2-38-134 | #2 AWG | #2 SOL | 2-6 AWG | 3/8 | 0.406 | 1.750 | 2.625 | 1.125 | 4.036 | 0.599 | 0.414 | Brown | I-33 | 0.421 | 0.312 |
| CLND-2-12-134 | #2 AWG | #2 SOL | 2-6 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 1.125 | 4.411 | 0.750 | 0.546 | Brown | I-33 | 0.421 | 0.312 |
| CLND-1-14-58 | #1 AWG | #2 FLEX | 1-6 AWG | 1/4 | 0.281 | 0.625 | 1.437 | 1.375 | 3.142 | 0.673 | 0.320 | Green | I-37 | 0.468 | 0.359 |
| CLND-1-14-34 | #1 AWG | #2 FLEX | 1-6 AWG | 1/4 | 0.281 | 0.750 | 1.437 | 1.375 | 3.142 | 0.673 | 0.320 | Green | I-37 | 0.468 | 0.359 |
| CLND-1-14-1 | #1 AWG | #2 FLEX | 1-6 AWG | 1/4 | 0.281 | 1.000 | 1.687 | 1.375 | 3.392 | 0.673 | 0.320 | Green | I-37 | 0.468 | 0.359 |
| CLND-1-516-78 | #1 AWG | #2 FLEX | 1-6 AWG | 5/16 | 0.343 | 0.875 | 1.687 | 1.375 | 3.392 | 0.673 | 0.352 | Green | I-37 | 0.468 | 0.359 |
| CLND-1-516-1 | #1 AWG | #2 FLEX | 1-6 AWG | 5/16 | 0.343 | 1.000 | 1.937 | 1.375 | 3.642 | 0.673 | 0.352 | Green | I-37 | 0.468 | 0.359 |
| CLND-1-38-1 | #1 AWG | #2 FLEX | 1-6 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 1.375 | 3.642 | 0.673 | 0.414 | Green | I-37 | 0.468 | 0.359 |
| CLND-1-12-134 | #1 AWG | #2 FLEX | 1-6 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 1.375 | 4.705 | 0.750 | 0.546 | Green | I-37 | 0.468 | 0.359 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools

See pages 87 to 97 for complete tooling information.

For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg.

Tested to UL 486A/B, UL File E6207

A

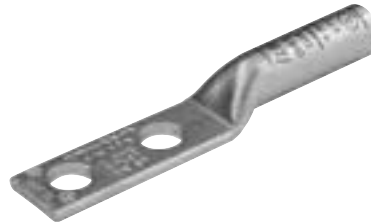
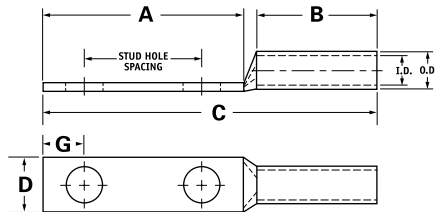
TYPE CLND

Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG , #8 - #2 SOL
- For direct bury 500 kcmil - 10
- Rated to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements
- For grounding and bonding applications



| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Bolt Size | Stud Hole Dia. | Stud Hole Spacing | Dimensions | | | | | Die Color Code | Die Index | O.D. | I.D. |
|-----------------|-----------|---------------|----------------------|-----------|----------------|-------------------|------------|-------|-------|-------|-------|----------------|-----------|-------|-------|
| | | | | | | | A | B | C | D | G | | | | |
| CLND-1/0-14-58 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 1/4 | 0.281 | 0.625 | 1.437 | 1.500 | 3.293 | 0.738 | 0.320 | Pink | I-42 | 0.515 | 0.390 |
| CLND-1/0-14-34 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 1/4 | 0.281 | 0.750 | 1.437 | 1.500 | 3.293 | 0.738 | 0.320 | Pink | I-42 | 0.515 | 0.390 |
| CLND-1/0-14-1 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 1/4 | 0.281 | 1.000 | 1.687 | 1.500 | 3.543 | 0.738 | 0.320 | Pink | I-42 | 0.515 | 0.390 |
| CLND-1/0-516-34 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 5/16 | 0.343 | 0.750 | 1.687 | 1.500 | 3.543 | 0.738 | 0.352 | Pink | I-42 | 0.515 | 0.390 |
| CLND-1/0-516-78 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 5/16 | 0.343 | 0.875 | 1.687 | 1.500 | 3.543 | 0.738 | 0.352 | Pink | I-42 | 0.515 | 0.390 |
| CLND-1/0-516-1 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 5/16 | 0.343 | 1.000 | 1.937 | 1.500 | 3.793 | 0.738 | 0.352 | Pink | I-42 | 0.515 | 0.390 |
| CLND-1/0-38-1 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 1.500 | 3.793 | 0.738 | 0.414 | Pink | I-42 | 0.515 | 0.390 |
| CLND-1/0-38-134 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 3/8 | 0.406 | 1.750 | 2.625 | 1.500 | 4.481 | 0.738 | 0.414 | Pink | I-42 | 0.515 | 0.390 |
| CLND-1/0-12-1 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 1/2 | 0.562 | 1.000 | 2.125 | 1.500 | 3.981 | 0.738 | 0.546 | Pink | I-42 | 0.515 | 0.390 |
| CLND-1/0-12-134 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 1.500 | 4.856 | 0.738 | 0.546 | Pink | I-42 | 0.515 | 0.390 |
| CLND-2/0-14-58 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 1/4 | 0.281 | 0.625 | 1.437 | 1.500 | 3.333 | 0.811 | 0.320 | Black | I-45 | 0.562 | 0.437 |
| CLND-2/0-14-34 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 1/4 | 0.281 | 0.750 | 1.437 | 1.500 | 3.333 | 0.811 | 0.320 | Black | I-45 | 0.562 | 0.437 |
| CLND-2/0-14-1 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 1/4 | 0.281 | 1.000 | 1.687 | 1.500 | 3.583 | 0.811 | 0.320 | Black | I-45 | 0.562 | 0.437 |
| CLND-2/0-516-1 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 5/16 | 0.343 | 1.000 | 1.937 | 1.500 | 3.833 | 0.811 | 0.352 | Black | I-45 | 0.562 | 0.437 |
| CLND-2/0-38-1 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 1.500 | 3.833 | 0.811 | 0.414 | Black | I-45 | 0.562 | 0.437 |
| CLND-2/0-38-134 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 3/8 | 0.406 | 1.750 | 2.625 | 1.500 | 4.521 | 0.811 | 0.414 | Black | I-45 | 0.562 | 0.437 |
| CLND-2/0-12-1 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 1/2 | 0.562 | 1.000 | 2.125 | 1.500 | 4.021 | 0.811 | 0.546 | Black | I-45 | 0.562 | 0.437 |
| CLND-2/0-12-134 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 1.500 | 4.896 | 0.811 | 0.546 | Black | I-45 | 0.562 | 0.437 |
| CLND-3/0-14-58 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 1/4 | 0.281 | 0.625 | 1.437 | 1.500 | 3.376 | 0.885 | 0.320 | Orange | I-50 | 0.609 | 0.484 |
| CLND-3/0-14-34 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 1/4 | 0.281 | 0.750 | 1.437 | 1.500 | 3.376 | 0.885 | 0.320 | Orange | I-50 | 0.609 | 0.484 |
| CLND-3/0-516-1 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 5/16 | 0.343 | 1.000 | 1.937 | 1.500 | 3.876 | 0.885 | 0.352 | Orange | I-50 | 0.609 | 0.484 |
| CLND-3/0-38-1 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 1.500 | 3.876 | 0.885 | 0.414 | Orange | I-50 | 0.609 | 0.484 |
| CLND-3/0-12-134 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 1.500 | 4.939 | 0.885 | 0.546 | Orange | I-50 | 0.609 | 0.484 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools

See pages 87 to 97 for complete tooling information.

For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg.

Tested to UL 486A/B, UL File E6207

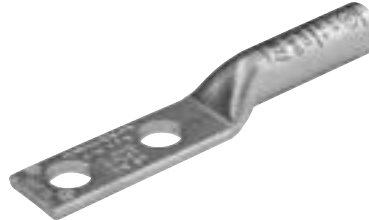
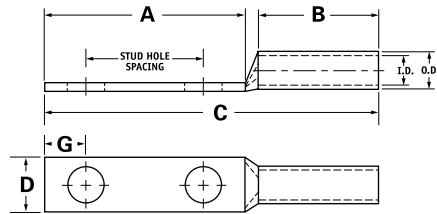
TYPE CLND

Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG , #8 - #2 SOL
- For direct bury 500 kcmil - 10
- Rated to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements
- For grounding and bonding applications



| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Bolt Size | Stud Hole Dia. | Stud Hole Spacing | Dimensions | | | | | Die Color Code | Die Index | O.D. | I.D. |
|------------------|-----------|--------------------------|----------------------|-----------|----------------|-------------------|------------|-------|-------|-------|-------|----------------|-----------|-------|-------|
| | | | | | | | A | B | C | D | G | | | | |
| CLND-4/0-14-58 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 1/4 | 0.281 | 0.625 | 1.437 | 1.500 | 3.428 | 0.999 | 0.320 | Purple | I-54 | 0.687 | 0.546 |
| CLND-4/0-14-34 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 1/4 | 0.281 | 0.750 | 1.437 | 1.500 | 3.428 | 0.999 | 0.320 | Purple | I-54 | 0.687 | 0.546 |
| CLND-4/0-14-1 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 1/4 | 0.281 | 1.000 | 1.687 | 1.500 | 3.678 | 0.999 | 0.320 | Purple | I-54 | 0.687 | 0.546 |
| CLND-4/0-516-34 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 5/16 | 0.343 | 0.750 | 1.687 | 1.500 | 3.678 | 0.999 | 0.352 | Purple | I-54 | 0.687 | 0.546 |
| CLND-4/0-516-1 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 5/16 | 0.343 | 1.000 | 1.937 | 1.500 | 3.928 | 0.999 | 0.352 | Purple | I-54 | 0.687 | 0.546 |
| CLND-4/0-516-134 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 5/16 | 0.343 | 1.750 | 2.500 | 1.500 | 4.491 | 0.999 | 0.352 | Purple | I-54 | 0.687 | 0.546 |
| CLND-4/0-38-1 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 1.500 | 3.928 | 0.999 | 0.414 | Purple | I-54 | 0.687 | 0.546 |
| CLND-4/0-38-134 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 3/8 | 0.406 | 1.750 | 2.625 | 1.500 | 4.616 | 0.999 | 0.414 | Purple | I-54 | 0.687 | 0.546 |
| CLND-4/0-12-1 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 1/2 | 0.562 | 1.000 | 2.125 | 1.500 | 4.116 | 0.999 | 0.546 | Purple | I-54 | 0.687 | 0.546 |
| CLND-4/0-12-114 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 1/2 | 0.562 | 1.250 | 2.500 | 1.500 | 4.491 | 0.999 | 0.546 | Purple | I-54 | 0.687 | 0.546 |
| CLND-4/0-12-134 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 1.500 | 4.991 | 0.999 | 0.546 | Purple | I-54 | 0.687 | 0.546 |
| CLND-250-14-34 | 250kcmil | 4/0 FLEX | 250kcmil - 1/0 AWG | 1/4 | 0.281 | 0.750 | 1.437 | 1.688 | 3.656 | 1.088 | 0.320 | Yellow | I-62 | 0.750 | 0.593 |
| CLND-250-38-1 | 250kcmil | 4/0 FLEX | 250kcmil - 1/0 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 1.688 | 4.156 | 1.088 | 0.414 | Yellow | I-62 | 0.750 | 0.593 |
| CLND-250-38-134 | 250kcmil | 4/0 FLEX | 250kcmil - 1/0 AWG | 3/8 | 0.406 | 1.750 | 2.625 | 1.688 | 4.844 | 1.088 | 0.414 | Yellow | I-62 | 0.750 | 0.593 |
| CLND-250-12-114 | 250kcmil | 4/0 FLEX | 250kcmil - 1/0 AWG | 1/2 | 0.562 | 1.250 | 2.500 | 1.688 | 4.719 | 1.088 | 0.546 | Yellow | I-62 | 0.750 | 0.593 |
| CLND-250-12-134 | 250kcmil | 4/0 FLEX | 250kcmil - 1/0 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 1.688 | 5.219 | 1.088 | 0.546 | Yellow | I-62 | 0.750 | 0.593 |
| CLND-300-38-1 | 300kcmil | 250 G,H FLEX | 300kcmil - 2/0 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 2.000 | 4.524 | 1.189 | 0.414 | White | I-66 | 0.812 | 0.660 |
| CLND-300-12-134 | 300kcmil | 250 G,H FLEX | 300kcmil - 2/0 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 2.000 | 5.587 | 1.189 | 0.546 | White | I-66 | 0.812 | 0.660 |
| CLND-350-14-34 | 350kcmil | 250 I,K,M FLEX 262.2 DLO | 350kcmil - 3/0 AWG | 1/4 | 0.281 | 0.750 | 1.437 | 2.000 | 4.060 | 1.291 | 0.320 | Red | I-71 | 0.890 | 0.703 |
| CLND-350-516-134 | 350kcmil | 250 I,K,M FLEX 262.2 DLO | 350kcmil - 3/0 AWG | 5/16 | 0.343 | 1.750 | 2.500 | 2.000 | 5.123 | 1.291 | 0.352 | Red | I-71 | 0.890 | 0.703 |
| CLND-350-38-1 | 350kcmil | 250 I,K,M FLEX 262.2 DLO | 350kcmil - 3/0 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 2.000 | 4.560 | 1.291 | 0.414 | Red | I-71 | 0.890 | 0.703 |
| CLND-350-12-114 | 350kcmil | 250 I,K,M FLEX 262.2 DLO | 350kcmil - 3/0 AWG | 1/2 | 0.562 | 1.250 | 2.500 | 2.000 | 5.123 | 1.291 | 0.546 | Red | I-71 | 0.890 | 0.703 |
| CLND-350-12-134 | 350kcmil | 250 I,K,M FLEX 262.2 DLO | 350kcmil - 3/0 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 2.000 | 5.623 | 1.291 | 0.546 | Red | I-71 | 0.890 | 0.703 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools See pages 87 to 97 for complete tooling information. For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg. Tested to UL 486A/B, UL File E6207

A

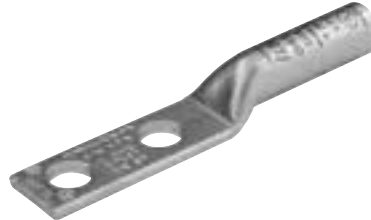
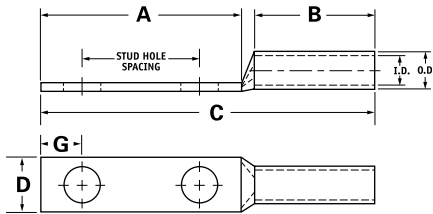
TYPE CLND

Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG , #8 - #2 SOL
- For direct bury 500 kcmil - 10
- Rated to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements
- For grounding and bonding applications



| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Bolt Size | Stud Hole Dia. | Stud Hole Spacing | Dimensions | | | | | Die Color Code | Die Index | O.D. | I.D. |
|-----------------|-----------|------------------------------|----------------------|-----------|----------------|-------------------|------------|-------|-------|-------|--------|----------------|-----------|-------|-------|
| | | | | | | | A | B | C | D | G | | | | |
| CLND-400-38-1 | 400kcmil | 300 G,H,I,K,M FLEX 313.1 DLO | 400kcmil - 4/0 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 2.125 | 4.729 | 1.365 | 0.414 | Blue | I-76 | 0.937 | 0.750 |
| CLND-400-38-116 | 400kcmil | 300 G,H,I,K,M FLEX 313.1 DLO | 400kcmil - 4/0 AWG | 3/8 | 0.406 | 1.062 | 1.937 | 2.125 | 4.729 | 1.365 | 0.414 | Blue | I-76 | 0.937 | 0.750 |
| CLND-400-12-134 | 400kcmil | 300 G,H,I,K,M FLEX 313.1 DLO | 400kcmil - 4/0 AWG | 1/2 | 0.562 | 1.750 | 3.000 | 2.125 | 5.792 | 1.365 | 0.546 | Blue | I-76 | 0.937 | 0.750 |
| CLND-500-14-34 | 500kcmil | 350 G,H,I,K,M FLEX 373.7 DLO | 500kcmil - 250kcmil | 1/4 | 0.281 | 0.750 | 1.437 | 2.250 | 4.419 | 1.535 | 0.320 | Brown | I-87 | 1.062 | 0.828 |
| CLND-500-38-1 | 500kcmil | 350 G,H,I,K,M FLEX 373.7 DLO | 500kcmil - 250kcmil | 3/8 | 0.406 | 1.000 | 1.937 | 2.250 | 4.919 | 1.535 | 0.414 | Brown | I-87 | 1.062 | 0.828 |
| CLND-500-12-114 | 500kcmil | 350 G,H,I,K,M FLEX 373.7 DLO | 500kcmil - 250kcmil | 1/2 | 0.562 | 1.250 | 2.500 | 2.250 | 5.482 | 1.535 | 0.546 | Brown | I-87 | 1.062 | 0.828 |
| CLND-500-12-134 | 500kcmil | 350 G,H,I,K,M FLEX 373.7 DLO | 500kcmil - 250kcmil | 1/2 | 0.562 | 1.750 | 3.000 | 2.250 | 5.982 | 1.535 | 0.546 | Brown | I-87 | 1.062 | 0.828 |
| CLND-600-38-1 | 600kcmil | 400 G,H,I,K,M FLEX 444.4 DLO | 600kcmil - 250kcmil | 3/8 | 0.406 | 1.000 | 1.937 | 2.687 | 5.433 | 1.712 | 0.414 | Green | I-94 | 1.187 | 0.920 |
| CLND-600-12-134 | 600kcmil | 400 G,H,I,K,M FLEX 444.4 DLO | 600kcmil - 250kcmil | 1/2 | 0.562 | 1.750 | 3.000 | 2.687 | 6.496 | 1.712 | 0.546 | Green | I-94 | 1.187 | 0.920 |
| CLND-650-12-114 | 650kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 650kcmil - 350kcmil | 1/2 | 0.562 | 1.250 | 2.500 | 2.687 | 6.056 | 1.764 | 0.546 | Pink | I-99 | 1.217 | 0.958 |
| CLND-650-12-134 | 650kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 650kcmil - 350kcmil | 1/2 | 0.562 | 1.750 | 3.000 | 2.687 | 6.556 | 1.764 | 0.546 | Pink | I-99 | 1.217 | 0.958 |
| CLND-650-38-1 | 650kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 650kcmil - 350kcmil | 3/8 | 0.406 | 1.000 | 2.125 | 2.687 | 5.493 | 1.764 | 0.414 | Pink | I-99 | 1.217 | 0.958 |
| CLND-650-38-118 | 650kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 650kcmil - 350kcmil | 3/8 | 0.406 | 1.125 | 2.125 | 2.687 | 5.681 | 1.764 | 0.414 | Pink | I-99 | 1.217 | 0.958 |
| CLND-650-516-1 | 650kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 650kcmil - 350kcmil | 1/32 | 0.343 | 1.000 | 1.937 | 2.687 | 5.493 | 1.764 | 0.3515 | Pink | I-99 | 1.217 | 0.958 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools

See pages 87 to 97 for complete tooling information.

For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg.

Tested to UL 486A/B, UL File E6207

TYPE CLND

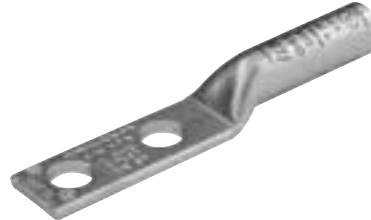
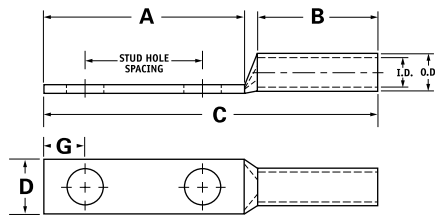
Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG , #8 - #2 SOL
- Rated to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements

A



| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Bolt Size | Stud Hole Dia. | Stud Hole Spacing | Dimensions | | | | | Die Color Code | Die Index | O.D. | I.D. |
|------------------|-----------|------------------------------|----------------------|-----------|----------------|-------------------|------------|-------|-------|-------|-------|----------------|-----------|-------|-------|
| | | | | | | | A | B | C | D | G | | | | |
| CLND-700-38-1 | 700kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 700kcmil - 350kcmil | 3/8 | 0.406 | 1.000 | 1.937 | 2.687 | 5.493 | 1.816 | 0.414 | Pink | I-99 | 1.250 | 0.991 |
| CLND-700-38-118 | 700kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 700kcmil - 350kcmil | 3/8 | 0.406 | 1.125 | 2.125 | 2.687 | 5.681 | 1.816 | 0.414 | Pink | I-99 | 1.250 | 0.991 |
| CLND-700-12-112 | 700kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 700kcmil - 350kcmil | 1/2 | 0.562 | 1.500 | 2.625 | 2.687 | 6.181 | 1.816 | 0.546 | Pink | I-99 | 1.250 | 0.991 |
| CLND-700-12-134 | 700kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 700kcmil - 350kcmil | 1/2 | 0.562 | 1.750 | 3.000 | 2.687 | 6.556 | 1.816 | 0.546 | Pink | I-99 | 1.250 | 0.991 |
| CLND-700-12-178 | 700kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 700kcmil - 350kcmil | 1/2 | 0.562 | 1.875 | 3.000 | 2.687 | 6.556 | 1.816 | 0.546 | Pink | I-99 | 1.250 | 0.991 |
| CLND-750-38-1 | 750kcmil | 600 G,H,I,M FLEX 646.4 DLO | 750kcmil - 500kcmil | 3/8 | 0.406 | 1.000 | 1.937 | 2.875 | 5.714 | 1.901 | 0.414 | Black | I-106 | 1.313 | 1.031 |
| CLND-750-38-118 | 750kcmil | 600 G,H,I,M FLEX 646.4 DLO | 750kcmil - 500kcmil | 3/8 | 0.406 | 1.125 | 2.125 | 2.875 | 5.902 | 1.901 | 0.414 | Black | I-106 | 1.313 | 1.031 |
| CLND-750-12-112 | 750kcmil | 600 G,H,I,M FLEX 646.4 DLO | 750kcmil - 500kcmil | 1/2 | 0.562 | 1.500 | 2.625 | 2.875 | 6.402 | 1.901 | 0.546 | Black | I-106 | 1.313 | 1.031 |
| CLND-750-12-134 | 750kcmil | 600 G,H,I,M FLEX 646.4 DLO | 750kcmil - 500kcmil | 1/2 | 0.562 | 1.750 | 3.000 | 2.875 | 6.777 | 1.901 | 0.546 | Black | I-106 | 1.313 | 1.031 |
| CLND-750-58-112 | 750kcmil | 600 G,H,I,M FLEX 646.4 DLO | 750kcmil - 500kcmil | 5/8 | 0.656 | 1.500 | 3.000 | 2.875 | 6.777 | 1.901 | 0.671 | Black | I-106 | 1.313 | 1.031 |
| CLND-1000-38-1 | 1000kcmil | 750 G,H,I FLEX 777.7 DLO | 1000kcmil - 750kcmil | 3/8 | 0.406 | 1.000 | 1.937 | 3.000 | 5.962 | 2.169 | 0.414 | White | I-125 | 1.500 | 1.172 |
| CLND-1000-12-114 | 1000kcmil | 750 G,H,I FLEX 777.7 DLO | 1000kcmil - 750kcmil | 1/2 | 0.562 | 1.250 | 2.500 | 3.000 | 6.525 | 2.169 | 0.546 | White | I-125 | 1.500 | 1.172 |
| CLND-1000-12-134 | 1000kcmil | 750 G,H,I FLEX 777.7 DLO | 1000kcmil - 750kcmil | 1/2 | 0.562 | 1.750 | 3.000 | 3.000 | 7.025 | 2.169 | 0.546 | White | I-125 | 1.500 | 1.172 |
| CLND-1000-58-112 | 1000kcmil | 750 G,H,I FLEX 777.7 DLO | 1000kcmil - 750kcmil | 5/8 | 0.656 | 1.500 | 3.000 | 3.000 | 7.025 | 2.169 | 0.671 | White | I-125 | 1.500 | 1.172 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools

See pages 87 to 97 for complete tooling information.

For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg.

Tested to UL 486A/B, UL File E6207

A

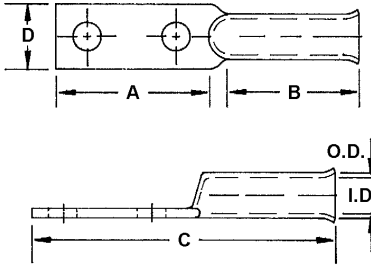
TYPE CLNF

Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- Rated to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements



| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Bolt Size | Stud Hole Dia. | Stud Hole Spacing | Dimensions | | | | | Die Color Code | Die Index | O.D. | I.D. |
|-----------------|-----------|---------------------------------|----------------------|-----------|----------------|-------------------|------------|-------|-------|-------|-------|----------------|-----------|-------|-------|
| | | | | | | | A | B | C | D | G | | | | |
| CLNF-2/0-12-134 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 1/2 | 0.531 | 1.750 | 3.000 | 1.938 | 5.219 | 0.813 | 0.546 | Black | I-45 | 0.562 | 0.437 |
| CLNF-2/0-38 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 3/8 | 0.406 | - | 0.875 | 1.938 | 3.094 | 0.813 | 0.414 | Black | I-45 | 0.562 | 0.437 |
| CLNF-3/0-12-134 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 1/2 | 0.531 | 1.750 | 3.000 | 1.938 | 5.250 | 0.906 | 0.546 | Orange | I-50 | 0.609 | 0.484 |
| CLNF-3/0-12 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 1/2 | 0.531 | - | 1.000 | 1.938 | 3.250 | 0.906 | 0.546 | Orange | I-50 | 0.609 | 0.484 |
| CLNF-4/0-12-134 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 1/2 | 0.531 | 1.750 | 3.000 | 2.125 | 5.469 | 1.000 | 0.546 | Purple | I-54 | 0.687 | 0.546 |
| CLNF-4/0-12 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 1/2 | 0.531 | - | 1.000 | 2.125 | 3.469 | 1.000 | 0.546 | Purple | I-54 | 0.687 | 0.546 |
| CLNF-250-12-134 | 250kcmil | 4/0 FLEX | 250kcmil-1/0 AWG | 1/2 | 0.531 | 1.750 | 3.000 | 2.125 | 5.563 | 1.090 | 0.546 | Yellow | I-62 | 0.750 | 0.593 |
| CLNF-250-12 | 250kcmil | 4/0 FLEX | 250kcmil-1/0 AWG | 1/2 | 0.531 | - | 1.125 | 2.125 | 3.688 | 1.090 | 0.546 | Yellow | I-62 | 0.750 | 0.593 |
| CLNF-300-12-134 | 300kcmil | 250 G, H FLEX | 300kcmil-2/0 AWG | 1/2 | 0.531 | 1.750 | 3.000 | 2.250 | 5.937 | 1.188 | 0.546 | White | I-66 | 0.812 | 0.660 |
| CLNF-300-58 | 300kcmil | 250 G, H FLEX | 300kcmil-2/0 AWG | 5/8 | 0.656 | - | 1.125 | 2.250 | 3.875 | 1.188 | 0.671 | White | I-66 | 0.812 | 0.660 |
| CLNF-350-12-134 | 350kcmil | 250 I,K,M FLEX 262.2 DLO | 350kcmil-3/0 AWG | 1/2 | 0.531 | 1.750 | 3.000 | 2.563 | 6.000 | 1.280 | 0.546 | Red | I-71 | 0.890 | 0.703 |
| CLNF-350-58 | 350kcmil | 250 I,K,M FLEX 262.2 DLO | 350kcmil-3/0 AWG | 5/8 | 0.656 | - | 1.125 | 2.563 | 4.125 | 1.280 | 0.671 | Red | I-71 | 0.890 | 0.703 |
| CLNF-400-12-134 | 400kcmil | 300 G,H,I,K,M FLEX 313.1 DLO | 400kcmil-4/0 AWG | 1/2 | 0.531 | 1.750 | 3.000 | 2.688 | 6.313 | 1.375 | 0.546 | Blue | I-76 | 0.937 | 0.750 |
| CLNF-400-58 | 400kcmil | 300 G,H,I,K,M FLEX 313.1 DLO | 400kcmil-4/0 AWG | 5/8 | 0.656 | - | 1.500 | 2.688 | 4.813 | 1.375 | 0.671 | Blue | I-76 | 0.937 | 0.750 |
| CLNF-500-12-134 | 500kcmil | 350 G,H,I,K,M FLEX 373.7 DLO | 500kcmil-250kcmil | 1/2 | 0.531 | 1.750 | 3.000 | 2.813 | 6.313 | 1.531 | 0.546 | Brown | I-87 | 1.062 | 0.828 |
| CLNF-500-58 | 500kcmil | 350 G,H,I,K,M FLEX 373.7 DLO | 500kcmil-250kcmil | 5/8 | 0.656 | - | 1.500 | 2.813 | 4.813 | 1.531 | 0.671 | Brown | I-87 | 1.062 | 0.828 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools

See pages 87 to 97 for complete tooling information.

Tested to UL 486A/B, UL File E6207

SureCrimp® Copper Compression Lugs

Long Barrel - Flared End, w/o Sight Hole

Conductor Range: 1111 kcmil - 600kcmil

TYPE CLNF

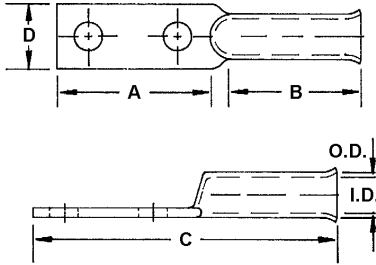
Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- Rated to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements

A



| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Bolt Size | Stud Hole Dia. | Stud Hole Spacing | Dimensions | | | | | Die Color Code | Die Index | O.D. | I.D. |
|------------------|-----------|---------------------------------|----------------------|-----------|----------------|-------------------|------------|-------|-------|-------|-------|----------------|-----------|-------|-------|
| | | | | | | | A | B | C | D | G | | | | |
| CLNF-600-12-134 | 600kcmil | 400 G,H,I,K,M FLEX 444.4 DLO | 600kcmil-250kcmil | 1/2 | 0.531 | 1.750 | 3.000 | 2.875 | 6.813 | 1.680 | 0.546 | Green | I-94 | 1.187 | 0.920 |
| CLNF-600-58 | 600kcmil | 400 G,H,I,K,M FLEX 444.4 DLO | 600kcmil-250kcmil | 5/8 | 0.656 | - | 1.500 | 2.875 | 5.375 | 1.680 | 0.671 | Green | I-94 | 1.187 | 0.920 |
| CLNF-700-12-134 | 700kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 700kcmil-350kcmil | 1/2 | 0.531 | 1.750 | 3.000 | 2.813 | 6.625 | 1.844 | 0.546 | Pink | I-99 | 1.250 | 0.991 |
| CLNF-700-58 | 700kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 700kcmil-350kcmil | 5/8 | 0.656 | - | 1.750 | 2.563 | 5.375 | 1.844 | 0.671 | Pink | I-99 | 1.250 | 0.991 |
| CLNF-750-12-134 | 750kcmil | 600 G,H,I,M FLEX 646.4 DLO | 750kcmil-500kcmil | 1/2 | 0.531 | 1.750 | 3.000 | 2.813 | 6.625 | 1.906 | 0.546 | Black | I-106 | 1.313 | 1.031 |
| CLNF-750-58 | 750kcmil | 600 G,H,I,M FLEX 646.4 DLO | 750kcmil-500kcmil | 5/8 | 0.656 | - | 1.938 | 2.813 | 5.563 | 1.906 | 0.671 | Black | I-106 | 1.313 | 1.031 |
| CLNF-1000-12-134 | 1000kcmil | 750 G,H, I FLEX 777.7 DLO | 1000kcmil-750kcmil | 1/2 | 0.531 | 1.750 | 3.000 | 3.563 | 7.438 | 2.188 | 0.546 | White | I-125 | 1.500 | 1.172 |
| CLNF-1000-58 | 1000kcmil | 750 G,H, I FLEX 777.7 DLO | 1000kcmil-750kcmil | 5/8 | 0.656 | - | 2.125 | 3.563 | 6.563 | 2.188 | 0.671 | White | I-125 | 1.500 | 1.172 |
| CLNF-1111-12-134 | 1111kcmil | - | - | 1/2 | 0.562 | 1.750 | 3.000 | 3.313 | 7.438 | 2.600 | 0.546 | White | IDT-12 | 1.750 | 1.458 |
| CLNF-1111-58 | 1111kcmil | - | - | 5/8 | 0.656 | - | 2.250 | 3.563 | 6.688 | 2.600 | 0.671 | White | IDT-12 | 1.750 | 1.458 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools

See pages 87 to 97 for complete tooling information.

Tested to UL 486A/B, UL File E6207

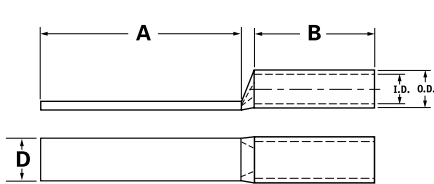
A
TYPE
CLNU

Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG , #8 - #2 SOL
- For direct bury 500 kcmil - 10
- Rated to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements
- For grounding and bonding applications



| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Dimensions | | | Die Color Code | Die Index | O.D. | I.D. |
|----------------|-----------|---------------------------------|----------------------|------------|-------|-------|----------------|-----------|-------|-------|
| | | | | A | B | D | | | | |
| CLNU-6 | 6 AWG | #6 FLEX, #6 SOL | - | 3.000 | 1.130 | 0.760 | Blue | I-24 | 0.320 | 0.225 |
| CLNU-4 | 4 AWG | #4 SOL | 4-6 AWG | 3.000 | 1.130 | 0.760 | White | I-29 | 0.343 | 0.250 |
| CLNU-3 | 3 AWG | #4 FLEX | 3-6 AWG | 3.000 | 1.130 | 0.750 | White | I-29 | 0.375 | 0.275 |
| CLNU-2 | 2 AWG | #2 SOL | 2-6 AWG | 3.000 | 1.130 | 0.740 | Brown | I-33 | 0.421 | 0.312 |
| CLNU-1 | 1 AWG | #2 FLEX | 1-6 AWG | 3.000 | 1.380 | 0.740 | Green | I-37 | 0.468 | 0.359 |
| CLNU-1/0 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 3.000 | 1.500 | 0.740 | Pink | I-42 | 0.515 | 0.390 |
| CLNU-2/0 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 3.000 | 1.500 | 0.810 | Black | I-45 | 0.562 | 0.437 |
| CLNU-3/0 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 3.000 | 1.500 | 0.890 | Orange | I-50 | 0.609 | 0.484 |
| CLNU-4/0 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 3.000 | 1.500 | 1.000 | Purple | I-54 | 0.687 | 0.546 |
| CLNU-250 | 250kcmil | 4/0 FLEX | 250kcmil-1/0 AWG | 3.000 | 1.690 | 1.090 | Yellow | I-62 | 0.750 | 0.593 |
| CLNU-300 | 300kcmil | 250 G,H FLEX | 300kcmil-2/0 AWG | 3.000 | 2.000 | 1.190 | White | I-66 | 0.812 | 0.660 |
| CLNU-350 | 350kcmil | 250 I,K,M FLEX 262.2 DLO | 350kcmil-3/0 AWG | 3.000 | 2.000 | 1.290 | Red | I-71 | 0.890 | 0.703 |
| CLNU-400 | 400kcmil | 300 G,H,I,K,M FLEX 313.1 DLO | 400kcmil-4/0 AWG | 3.000 | 2.130 | 1.370 | Blue | I-76 | 0.937 | 0.750 |
| CLNU-500 | 500kcmil | 350 G,H,I,K,M FLEX 373.7 DLO | 500kcmil-250kcmil | 3.000 | 2.250 | 1.530 | Brown | I-87 | 1.062 | 0.828 |
| CLNU-600 | 600kcmil | 400 G,H,I,K,M FLEX 444.4 DLO | 600kcmil-250kcmil | 3.000 | 2.690 | 1.710 | Green | I-94 | 1.187 | 0.920 |
| CLNU-650 | 650kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 650kcmil-350kcmil | 3.000 | 2.690 | 1.760 | Pink | I-99 | 1.217 | 0.958 |
| CLNU-700 | 700kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 700kcmil-350kcmil | 3.000 | 2.690 | 1.820 | Pink | I-99 | 1.250 | 0.991 |
| CLNU-750 | 750kcmil | 600 G,H,I,K,M FLEX 646.4 DLO | 750kcmil-500kcmil | 3.000 | 2.880 | 1.900 | Black | I-106 | 1.313 | 1.031 |
| CLNU-1000 | 1000kcmil | 750 G,H,I FLEX 777.7 DLO | 1000kcmil-750kcmil | 3.000 | 3.000 | 2.170 | White | I-125 | 1.500 | 1.172 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools

See pages 87 to 97 for complete tooling information.

For Bent Tangs add "-4" for 45 deg. or "-9" for 90 deg.

Tested to UL 486A/B, UL File E6207

TYPE CSWN

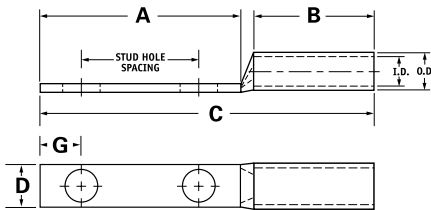
Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Narrow tang width
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG, #8 - #2 SOL
- For direct bury 500 kcmil - 10
- Rated to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For limited space applications
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements
- For grounding and bonding applications

A



| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Bolt Size | Stud Hole Dia. | Stud Hole Spacing | Dimensions | | | | | Die Color Code | Die Index | O.D. | I.D. |
|------------------|-----------|---------------------------------|----------------------|-----------|----------------|-------------------|------------|-------|-------|-------|-------|----------------|-----------|-------|-------|
| | | | | | | | A | B | C | D | G | | | | |
| CSWN-2-14 | #2 AWG | #2 SOL | 2-6 AWG | 1/4 | 0.281 | - | 0.875 | 0.625 | 1.786 | 0.406 | 0.320 | Brown | I-33 | 0.421 | 0.312 |
| CSWN-2-14-58 | #2 AWG | #2 SOL | 2-6 AWG | 1/4 | 0.281 | 0.625 | 1.437 | 0.625 | 2.348 | 0.406 | 0.320 | Brown | I-33 | 0.421 | 0.312 |
| CSWN-1-14 | #1 AWG | #2 FLEX | 1-6 AWG | 1/4 | 0.281 | - | 0.875 | 0.625 | 1.830 | 0.453 | 0.320 | Green | I-37 | 0.468 | 0.359 |
| CSWN-1/0-516 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 5/16 | 0.343 | - | 0.875 | 0.750 | 1.981 | 0.500 | 0.352 | Pink | I-42 | 0.515 | 0.390 |
| CSWN-2/0-516 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 5/16 | 0.343 | - | 0.875 | 0.750 | 2.021 | 0.547 | 0.352 | Black | I-45 | 0.562 | 0.437 |
| CSWN-3/0-38 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 3/8 | 0.406 | - | 0.875 | 0.750 | 2.064 | 0.594 | 0.414 | Orange | I-50 | 0.609 | 0.484 |
| CSWN-4/0-38 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 3/8 | 0.406 | - | 0.875 | 0.875 | 2.241 | 0.672 | 0.414 | Purple | I-54 | 0.687 | 0.546 |
| CSWN-250-38-1 | 250kcmil | 4/0 FLEX | 250kcmil - 1/0 AWG | 3/8 | 0.406 | - | 1.937 | 1.063 | 3.531 | 0.735 | 0.414 | Yellow | I-62 | 0.750 | 0.593 |
| CSWN-350-38 | 350kcmil | 250 I,K,M FLEX 262.2 DLO | 350kcmil - 3/0 AWG | 3/8 | 0.406 | - | 0.875 | 1.063 | 2.561 | 0.875 | 0.414 | Red | I-71 | 1.250 | 0.703 |
| CSWN-350-38-1 | 350kcmil | 250 I,K,M FLEX 262.2 DLO | 350kcmil - 3/0 AWG | 3/8 | 0.406 | 1.000 | 1.937 | 1.063 | 3.623 | 0.875 | 0.414 | Red | I-71 | 1.250 | 0.703 |
| CSWN-500-38 | 500kcmil | 350 G,H,I,K,M FLEX 373.7 DLO | 500kcmil - 250kcmil | 3/8 | 0.406 | - | 0.875 | 1.300 | 2.907 | 1.047 | 0.414 | Brown | I-87 | 1.250 | 0.828 |
| CSWN-600-38 | 600kcmil | 400 G,H,I,K,M FLEX 444.4 DLO | 600kcmil - 250kcmil | 3/8 | 0.406 | - | 0.875 | 1.375 | 3.059 | 1.172 | 0.414 | Green | I-94 | 1.250 | 0.920 |
| CSWN-750-38-1 | 750kcmil | 600 G,H,I,M FLEX 646.4 DLO | 750kcmil - 500kcmil | 3/8 | 0.406 | 1.000 | 1.937 | 1.500 | 4.339 | 1.298 | 0.414 | Black | I-106 | 1.250 | 1.031 |
| CSWN-1000-38-1 | 1000kcmil | 750 G,H,I FLEX 777.7 DLO | 1000kcmil - 750kcmil | 3/8 | 0.406 | 1.000 | 1.937 | 1.625 | 4.587 | 1.485 | 0.414 | White | I-125 | 1.250 | 1.172 |
| CSWN-1000-12-134 | 1000kcmil | 750 G,H,I FLEX 777.7 DLO | 1000kcmil - 750kcmil | 1/2 | 0.562 | 1.750 | 3.000 | 1.625 | 5.650 | 1.485 | 0.546 | White | I-125 | 1.250 | 1.172 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools

See pages 87 to 97 for complete tooling information.

Tested to UL 486A/B, UL File E6207

A

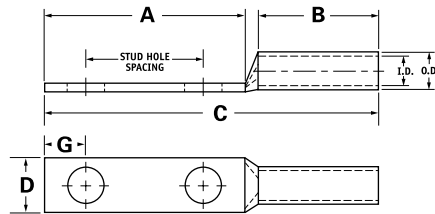
**TYPE
CLWN**

Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Narrow tang width
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG , #8 - #2 SOL
- For direct bury 500 kcmil - 10
- Rated to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For limited space applications
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements
- For grounding and bonding applications



| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Bolt Size | Stud Hole Dia. | Stud Hole Spacing | Dimensions | | | | | Die Color Code | Die Index | O.D. | I.D. |
|-----------------|-----------|---------------------------------|----------------------|-----------|----------------|-------------------|------------|-------|-------|-------|-------|----------------|-----------|-------|-------|
| | | | | | | | A | B | C | D | G | | | | |
| CLWN-250-38-1 | 250kcmil | 4/0 FLEX | 250kcmil - 1/0 AWG | 3/8 | 0.406 | - | 1.937 | 1.688 | 4.156 | 0.735 | 0.414 | Yellow | I-62 | 0.750 | 0.593 |
| CLWN-500-38-1 | 500kcmil | 350 G,H,I,K,M FLEX 373.7 DLO | 500kcmil - 250kcmil | 3/8 | 0.406 | 1.000 | 1.937 | 2.250 | 4.919 | 1.047 | 0.414 | Brown | I-87 | 1.062 | 0.828 |
| CLWN-700-38-1 | 700kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 700kcmil - 350kcmil | 3/8 | 0.406 | 1.000 | 1.937 | 2.687 | 5.493 | 1.235 | 0.414 | Pink | I-99 | 1.250 | 0.991 |
| CLWN-700-12-134 | 700kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 700kcmil - 350kcmil | 1/2 | 0.562 | 1.750 | 3.000 | 2.687 | 6.556 | 1.235 | 0.546 | Pink | I-99 | 1.250 | 0.991 |
| CLWN-750-38-1 | 750kcmil | 600 G,H,I,M FLEX 646.4 DLO | 750kcmil - 500kcmil | 3/8 | 0.406 | 1.000 | 1.937 | 2.875 | 5.714 | 1.298 | 0.414 | Black | I-106 | 1.313 | 1.031 |
| CLWN-750-12-134 | 750kcmil | 600 G,H,I,M FLEX 646.4 DLO | 750kcmil - 500kcmil | 1/2 | 0.562 | 1.750 | 3.000 | 2.875 | 6.777 | 1.298 | 0.546 | Black | I-106 | 1.313 | 1.031 |
| CLWN-1000-38-1 | 1000kcmil | 750 G,H,I FLEX 777.7 DLO | 1000kcmil - 750kcmil | 3/8 | 0.406 | 1.000 | 1.937 | 3.000 | 5.962 | 1.485 | 0.414 | White | I-125 | 1.500 | 1.172 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools

See pages 87 to 97 for complete tooling information.

Tested to UL 486A/B, UL File E6207

TYPE CSLT

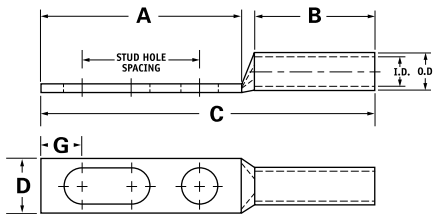
Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- 2-hole tang provides maximum secureness, more contact surface and prevents rotation
- Color coded
- UL467 Listed for grounding and bonding applications, #8-#2 solid, 500kcmil - 8 AWG
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- For direct bury 500 kcmil - 10

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- 2nd hole slotted to accommodate variable spacing requirements
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements

A



| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Bolt Size | Mtg. Hole Dia. | Mtg. Hole Spacing | Dimensions | | | | | Die Color Code | Die Index | O.D. | I.D. |
|--------------------|-----------|-----------------|----------------------|-----------|----------------|-------------------|------------|-------|-------|-------|-------|----------------|-----------|-------|-------|
| | | | | | | | A | B | C | D | G | | | | |
| CLWDS-6-14-58-1 | #6 AWG | #6 FLEX, #6 SOL | - | 1/4 | 0.281 | 5/8 to 1 | 1.687 | 1.125 | 3.007 | 0.406 | 0.320 | BLUE | I-24 | 0.312 | 0.225 |
| CLWDS-4-14-58-1 | #4 AWG | #4 SOL | 4-6 AWG | 1/4 | 0.281 | 5/8 to 1 | 1.687 | 1.125 | 3.046 | 0.486 | 0.320 | GRAY | I-29 | 0.343 | 0.250 |
| CLWDS-4-38-58-1 | #4 AWG | #4 SOL | 4-6 AWG | 3/8 | 0.406 | 5/8 to 1 | 1.937 | 1.125 | 3.296 | 0.592 | 0.414 | GRAY | I-29 | 0.343 | 0.250 |
| CLWDS-3-14-58-1 | #3 AWG | #4 FLEX | 3-6 AWG | 1/4 | 0.281 | 5/8 to 1 | 1.687 | 1.125 | 3.067 | 0.532 | 0.320 | WHITE | I-29 | 0.375 | 0.275 |
| CLWDS-3-38-58-1 | #3 AWG | #4 FLEX | 3-6 AWG | 3/8 | 0.406 | 5/8 to 1 | 1.937 | 1.125 | 3.317 | 0.592 | 0.414 | WHITE | I-29 | 0.375 | 0.275 |
| CLWDS-2-14-58-1 | #2 AWG | #2 SOL | 2-6 AWG | 1/4 | 0.281 | 5/8 to 1 | 1.687 | 1.125 | 3.098 | 0.599 | 0.320 | BROWN | I-33 | 0.421 | 0.312 |
| CLWDS-2-38-58-1 | #2 AWG | #2 SOL | 2-6 AWG | 3/8 | 0.406 | 5/8 to 1 | 1.937 | 1.125 | 3.348 | 0.599 | 0.414 | BROWN | I-33 | 0.421 | 0.312 |
| CLWDS-1-14-58-1 | #1 AWG | #2 FLEX | 1-6 AWG | 1/4 | 0.281 | 5/8 to 1 | 1.687 | 1.375 | 3.392 | 0.673 | 0.320 | GREEN | I-37 | 0.468 | 0.359 |
| CLWDS-1-38-58-1 | #1 AWG | #2 FLEX | 1-6 AWG | 3/8 | 0.406 | 5/8 to 1 | 1.937 | 1.375 | 3.642 | 0.673 | 0.414 | GREEN | I-37 | 0.468 | 0.359 |
| CLWDS-1/0-38-1-134 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 3/8 | 0.406 | 1 to 1-3/4 | 2.625 | 1.500 | 4.481 | 0.738 | 0.414 | PINK | I-42 | 0.515 | 0.390 |
| CLWDS-1/0-12-1-134 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 1/2 | 0.562 | 1 to 1-3/4 | 3.000 | 1.500 | 4.856 | 0.738 | 0.546 | PINK | I-42 | 0.515 | 0.390 |
| CLWDS-2/0-38-1-134 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 3/8 | 0.406 | 1 to 1-3/4 | 2.625 | 1.500 | 4.521 | 0.811 | 0.414 | BLACK | I-45 | 0.562 | 0.437 |
| CLWDS-2/0-12-1-134 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 1/2 | 0.562 | 1 to 1-3/4 | 3.000 | 1.500 | 4.896 | 0.811 | 0.546 | BLACK | I-45 | 0.562 | 0.437 |
| CLWDS-3/0-38-1-134 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 3/8 | 0.406 | 1 to 1-3/4 | 2.625 | 1.500 | 4.564 | 0.885 | 0.414 | ORANGE | I-50 | 0.609 | 0.484 |
| CLWDS-3/0-12-1-134 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 1/2 | 0.562 | 1 to 1-3/4 | 3.000 | 1.500 | 4.939 | 0.885 | 0.546 | ORANGE | I-50 | 0.609 | 0.484 |
| CLWDS-4/0-38-1-134 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 3/8 | 0.406 | 1 to 1-3/4 | 2.625 | 1.500 | 4.616 | 0.999 | 0.414 | PURPLE | I-54 | 0.687 | 0.546 |
| CLWDS-4/0-12-1-134 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 1/2 | 0.562 | 1 to 1-3/4 | 3.000 | 1.500 | 4.991 | 0.999 | 0.546 | PURPLE | I-54 | 0.687 | 0.546 |
| CLWDS-250-38-1-134 | 250kcmil | 4/0 FLEX | 250kcmil - 1/0 AWG | 3/8 | 0.406 | 1 to 1-3/4 | 2.625 | 1.688 | 4.844 | 1.088 | 0.414 | YELLOW | I-62 | 0.750 | 0.593 |
| CLWDS-250-12-1-134 | 250kcmil | 4/0 FLEX | 250kcmil - 1/0 AWG | 1/2 | 0.562 | 1 to 1-3/4 | 3.000 | 1.688 | 5.219 | 1.088 | 0.546 | YELLOW | I-62 | 0.750 | 0.593 |
| CLWDS-300-38-1-134 | 300kcmil | 250 G,H FLEX | 300kcmil - 2/0 AWG | 3/8 | 0.406 | 1 to 1-3/4 | 2.625 | 2.000 | 5.212 | 1.189 | 0.414 | WHITE | I-66 | 0.812 | 0.660 |
| CLWDS-300-12-1-134 | 300kcmil | 250 G,H FLEX | 300kcmil - 2/0 AWG | 1/2 | 0.562 | 1 to 1-3/4 | 3.000 | 2.000 | 5.587 | 1.189 | 0.546 | WHITE | I-66 | 0.812 | 0.660 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools

Tested to UL 486A/B, UL File E6207

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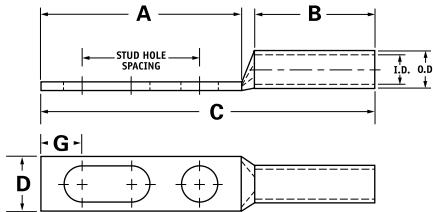
TYPE CSLT

Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- 2-hole tang provides maximum secureness, more contact surface and prevents rotation
- Color coded
- UL467 Listed for grounding and bonding applications, #8-#2 solid, 500kcmil - 8 AWG
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- For direct bury 500 kcmil - 10

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- 2nd hole slotted to accommodate variable spacing requirements
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements



| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Bolt Size | Mtg. Hole Dia. | Mtg. Hole Spacing | Dimensions | | | | | Die Color Code | Die Index | O.D. | I.D. |
|---------------------|-----------|-----------------------------------|-------------------------|-----------|----------------|-------------------|------------|-------|-------|-------|-------|----------------|-----------|-------|-------|
| | | | | | | | A | B | C | D | G | | | | |
| CLWDS-350-38-1-134 | 350kcmil | 250 I,K,M FLEX 262.2 DLO | 350kcmil - 3/0 AWG | 3/8 | 0.406 | 1 to 1-3/4 | 2.625 | 2.000 | 5.248 | 1.291 | 0.414 | RED | I-71 | 0.890 | 0.703 |
| CLWDS-350-12-1-134 | 350kcmil | 250 I,K,M FLEX 262.2 DLO | 350kcmil - 3/0 AWG | 1/2 | 0.562 | 1 to 1-3/4 | 3.000 | 2.000 | 5.623 | 1.291 | 0.546 | RED | I-71 | 0.890 | 0.703 |
| CLWDS-400-38-1-134 | 400kcmil | 300 G,H,I,K,M FLEX 313.1 DLO | 400kcmil - 4/0 AWG | 3/8 | 0.406 | 1 to 1-3/4 | 2.625 | 2.125 | 5.417 | 1.365 | 0.414 | BLUE | I-76 | 0.937 | 0.750 |
| CLWDS-400-12-1-134 | 400kcmil | 300 G,H,I,K,M FLEX 313.1 DLO | 400 kcmil - 4/0 AWG | 1/2 | 0.562 | 1 to 1-3/4 | 3.000 | 2.125 | 5.792 | 1.365 | 0.546 | BLUE | I-76 | 0.937 | 0.750 |
| CLWDS-500-12-1-134 | 500kcmil | 350 G,H,I,K,M FLEX 373.7 DLO | 500kcmil - 250kcmil | 1/2 | 0.562 | 1 to 1-3/4 | 3.000 | 2.250 | 5.982 | 1.535 | 0.546 | BROWN | I-87 | 1.064 | 0.828 |
| CLWDS-600-12-1-134 | 600kcmil | 400 G,H,I,K,M FLEX 444.4 DLO | 600kcmil - 250kcmil | 1/2 | 0.562 | 1 to 1-3/4 | 3.000 | 2.687 | 6.496 | 1.712 | 0.546 | GREEN | I-94 | 1.187 | 0.920 |
| CLWDS-650-12-1-134 | 650kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 650kcmil - 350kcmil | 1/2 | 0.562 | 1 to 1-3/4 | 3.000 | 2.687 | 6.556 | 1.764 | 0.546 | PINK | I-99 | 1.217 | 0.958 |
| CLWDS-700-12-1-134 | 700kcmil | 500 G,H,I & K,M FLEX 535.3 DLO | 700kcmil - 350kcmil | 1/2 | 0.991 | 1 to 1-3/4 | 3.000 | 2.687 | 6.556 | 1.816 | 0.546 | PINK | I-99 | 1.250 | 0.991 |
| CLWDS-750-12-1-134 | 750kcmil | 600 G,H,I,M FLEX 646.4 DLO | 750kcmil - 500kcmil | 1/2 | 0.562 | 1 to 1-3/4 | 3.000 | 2.875 | 6.777 | 1.901 | 0.546 | BLACK | I-106 | 1.313 | 1.031 |
| CLWDS-1000-12-1-134 | 1000kcmil | 750 G,H,I FLEX 777.7 DLO | 1000kcmil - 750kcmil | 1/2 | 0.562 | 1 to 1-3/4 | 3.000 | 3.000 | 7.025 | 2.169 | 0.546 | WHITE | I-125 | 1.500 | 1.172 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools

Tested to UL 486A/B, UL File E6207

TYPE CLWU

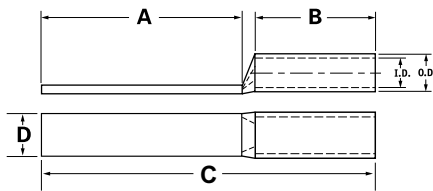
Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- UL467 Listed for grounding and bonding applications, #8-#2 solid, 500kcmil - 8 AWG
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- For direct bury 500 kcmil - 10

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements

A



| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Dimensions | | | | Die Color Code | Die Index | O.D. | I.D. |
|----------------|-----------|-----------------------------------|----------------------|------------|-------|-------|-------|----------------|-----------|-------|-------|
| | | | | A | B | C | D | | | | |
| CLWU-6 | #6 AWG | #6 FLEX, #6 SOL | - | 3.000 | 1.130 | 4.32 | 0.760 | BLUE | I-24 | 0.312 | 0.225 |
| CLWU-4 | #4 AWG | #4 SOL | 4-6 AWG | 3.000 | 1.130 | 4.359 | 0.760 | GRAY | I-29 | 0.343 | 0.250 |
| CLWU-3 | #3 AWG | #4 FLEX | 3-6 AWG | 3.000 | 1.130 | 4.38 | 0.750 | WHITE | I-29 | 0.375 | 0.275 |
| CLWU-2 | #2 AWG | #2 SOL | 2-6 AWG | 3.000 | 1.130 | 4.411 | 0.740 | BROWN | I-33 | 0.421 | 0.312 |
| CLWU-1 | #1 AWG | #2 FLEX | 1-6 AWG | 3.000 | 1.380 | 4.705 | 0.740 | GREEN | I-37 | 0.468 | 0.359 |
| CLWU-1/0 | 1/0 AWG | #1 FLEX | 1/0-6 AWG | 3.000 | 1.500 | 4.856 | 0.740 | PINK | I-42 | 0.515 | 0.390 |
| CLWU-2/0 | 2/0 AWG | 1/0 FLEX | 2/0-4 AWG | 3.000 | 1.500 | 4.896 | 0.810 | BLACK | I-45 | 0.562 | 0.437 |
| CLWU-3/0 | 3/0 AWG | 2/0 FLEX | 3/0-2 AWG | 3.000 | 1.500 | 4.939 | 0.890 | ORANGE | I-50 | 0.609 | 0.484 |
| CLWU-4/0 | 4/0 AWG | 3/0 FLEX | 4/0-1 AWG | 3.000 | 1.500 | 4.991 | 1.000 | PURPLE | I-54 | 0.687 | 0.546 |
| CLWU-250 | 250kcmil | 4/0 FLEX | 250kcmil - 1/0 AWG | 3.000 | 1.690 | 5.219 | 1.090 | YELLOW | I-62 | 0.750 | 0.593 |
| CLWU-300 | 300kcmil | 250 G,H FLEX | 300kcmil - 2/0 AWG | 3.000 | 2.000 | 5.587 | 1.190 | WHITE | I-66 | 0.812 | 0.660 |
| CLWU-350 | 350kcmil | 250 I,K,M FLEX 262.2 DLO | 350kcmil - 3/0 AWG | 3.000 | 2.000 | 5.623 | 1.290 | RED | I-71 | 0.890 | 0.703 |
| CLWU-400 | 400kcmil | 300 G,H,I,K,M FLEX 313.1 DLO | 400kcmil - 4/0 AWG | 3.000 | 2.130 | 5.792 | 1.370 | BLUE | I-76 | 0.937 | 0.750 |
| CLWU-500 | 500kcmil | 350 G,H,I,K,M FLEX 373.7 DLO | 500kcmil - 250kcmil | 3.000 | 2.250 | 5.982 | 1.530 | BROWN | I-87 | 1.062 | 0.828 |
| CLWU-600 | 600kcmil | 400 G,H,I,K,M FLEX 444.4 DLO | 600kcmil - 250kcmil | 3.000 | 2.690 | 6.496 | 1.710 | GREEN | I-94 | 1.187 | 0.920 |
| CLWU-650 | 650kcmil | 500 G,H,I,K,M FLEX 535.3 DLO | 650kcmil - 350kcmil | 3.000 | 2.690 | 6.559 | 1.760 | PINK | I-99 | 1.217 | 0.958 |
| CLWU-700 | 700kcmil | 500 G,H,I & K,M FLEX 535.3 DLO | 700kcmil - 350kcmil | 3.000 | 2.690 | 6.556 | 1.820 | PINK | I-99 | 1.250 | 0.991 |
| CLWU-750 | 750kcmil | 600 G,H,I,M FLEX 646.4 DLO | 750kcmil - 500kcmil | 3.000 | 2.880 | 6.777 | 1.900 | BLACK | I-106 | 1.313 | 1.031 |
| CLWU-1000 | 1000kcmil | 750 G,H,I FLEX 777.7 DLO | 1000kcmil - 750kcmil | 3.000 | 3.000 | 7.025 | 2.170 | WHITE | I-125 | 1.500 | 1.172 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools

Tested to UL 486A/B, UL File E6207

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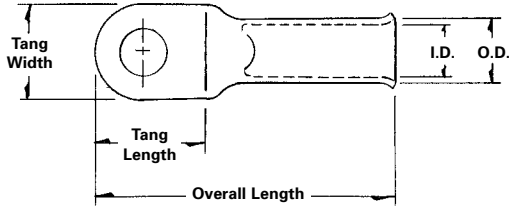
TYPE CCL

Features

- Electro-tin plated
- Sight hole
- Solid seamless tang
- Electrolytic copper
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- For copper conductor only
- Rated to 90° C

Benefits

- Provides low contact resistance
- Visual inspection of proper cable insertion
- For performance and strength
- For high conductivity
- Application versatility



| Catalog Number | Wire Size | Alt Wire Size | Bolt Size | Tang Length | Tang Width | Tang Thickness | Overall Length | Die Color Code | I.D. | O.D. |
|----------------|-----------|---------------|-----------|-------------|------------|----------------|----------------|----------------|-------|-------|
| CCL-8-10 | 8 AWG | 8 FLEX | #8-#10 | 0.579 | 0.445 | 0.071 | 1.201 | RED | 0.185 | 0.256 |
| CCL-8-14 | 8 AWG | 8 FLEX | 1/4 | 0.579 | 0.445 | 0.071 | 1.201 | RED | 0.185 | 0.256 |
| CCL-8-516 | 8 AWG | 8 FLEX | 5/16 | 0.724 | 0.598 | 0.059 | 1.276 | RED | 0.185 | 0.256 |
| CCL-8-38 | 8 AWG | 8 FLEX | 3/8 | 0.724 | 0.598 | 0.059 | 1.276 | RED | 0.185 | 0.256 |
| CCL-8-12 | 8 AWG | 8 FLEX | 1/2 | 0.858 | 0.752 | 0.059 | 1.480 | RED | 0.185 | 0.256 |

Tooling Information

| Catalog Number | Standard Stranded Conductor | | | | Color Code |
|----------------|----------------------------------|--------------------------------|-----------------------------------|----------------|------------|
| | ILSCO | | Burndy | Thomas & Betts | |
| | MT-25 Hand Dieless No. of Crimps | ILC-10-N Die No. No. of Crimps | MY29-3 Hand Dieless No. of Crimps | TBM8 | |
| CCL-8 | (1) | (3) | (1) | (1) | Red |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

TYPE CCL

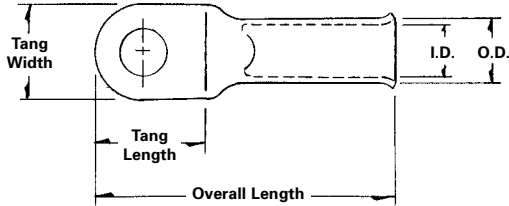
Features

- Electro-tin plated
- Sight hole
- Solid seamless tang
- Electrolytic copper
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- For copper conductor only
- Rated to 90° C

Benefits

- Provides low contact resistance
- Visual inspection of proper cable insertion
- For performance and strength
- For high conductivity
- Application versatility

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| Catalog Number | Wire Size | Alt Wire Size | Bolt Size | Tang Length | Tang Width | Tang Thickness | Overall Length | Die Color Code | I.D. | O.D. |
|----------------|-----------|---------------|-----------|-------------|------------|----------------|----------------|----------------|-------|-------|
| CCL-6-10 | 6 AWG | 6 FLEX | #10 | 0.579 | 0.445 | 0.075 | 1.268 | BLUE | 0.232 | 0.299 |
| CCL-6-14 | 6 AWG | 6 FLEX | 1/4 | 0.579 | 0.445 | 0.075 | 1.268 | BLUE | 0.232 | 0.299 |
| CCL-6-516 | 6 AWG | 6 FLEX | 5/16 | 0.724 | 0.598 | 0.067 | 1.409 | BLUE | 0.232 | 0.299 |
| CCL-6-38 | 6 AWG | 6 FLEX | 3/8 | 0.724 | 0.598 | 0.067 | 1.409 | BLUE | 0.232 | 0.299 |
| CCL-6-12 | 6 AWG | 6 FLEX | 1/2 | 0.858 | 0.752 | 0.059 | 1.551 | BLUE | 0.232 | 0.299 |

Tooling Information

| Catalog Number | Standard Stranded Conductor | | | | Color Code |
|----------------|----------------------------------|--------------------------------|-----------------------------------|----------------|------------|
| | ILSCO | | Burndy | Thomas & Betts | |
| | MT-25 Hand Dieless No. of Crimps | ILC-10-N Die No. No. of Crimps | MY29-3 Hand Dieless No. of Crimps | TBM8 | |
| CCL-6 | (1) | (2) | (1) | (1) | Blue |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

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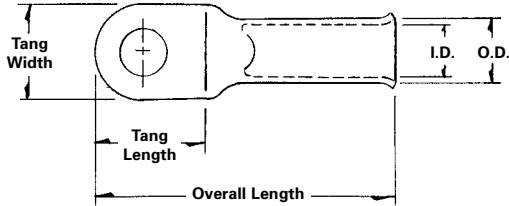
TYPE CCL

Features

- Electro-tin plated
- Sight hole
- Solid seamless tang
- Electrolytic copper
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- For copper conductor only
- Rated to 90° C

Benefits

- Provides low contact resistance
- Visual inspection of proper cable insertion
- For performance and strength
- For high conductivity
- Application versatility



| Catalog Number | Wire Size | Alt Wire Size | Bolt Size | Tang Length | Tang Width | Tang Thickness | Overall Length | Die Color Code | I.D. | O.D. |
|----------------|-----------|---------------|-----------|-------------|------------|----------------|----------------|----------------|-------|-------|
| CCL-4-10 | 4 AWG | 4 FLEX | #10 | 0.681 | 0.516 | 0.075 | 1.496 | GRAY | 0.283 | 0.362 |
| CCL-4-14 | 4 AWG | 4 FLEX | 1/4 | 0.681 | 0.516 | 0.075 | 1.496 | GRAY | 0.283 | 0.362 |
| CCL-4-516 | 4 AWG | 4 FLEX | 5/16 | 0.728 | 0.626 | 0.075 | 1.496 | GRAY | 0.283 | 0.362 |
| CCL-4-38 | 4 AWG | 4 FLEX | 3/8 | 0.728 | 0.626 | 0.075 | 1.496 | GRAY | 0.283 | 0.362 |
| CCL-4-12 | 4 AWG | 4 FLEX | 1/2 | 0.858 | 0.752 | 0.091 | 1.681 | GRAY | 0.283 | 0.362 |

Tooling Information

| Catalog Number | Standard Stranded Conductor | | | | Color Code |
|----------------|----------------------------------|--------------------------------|-----------------------------------|----------------|------------|
| | ILSCO | | Burndy | Thomas & Betts | |
| | MT-25 Hand Dieless No. of Crimps | ILC-10-N Die No. No. of Crimps | MY29-3 Hand Dieless No. of Crimps | TBM8 | |
| CCL-4 | (1) | (2) | (1) | (2) | Grey |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

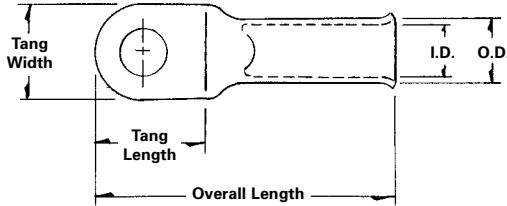
TYPE CCL

Features

- Electro-tin plated
- Sight hole
- Solid seamless tang
- Electrolytic copper
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- For copper conductor only
- Rated to 90° C

Benefits

- Provides low contact resistance
- Visual inspection of proper cable insertion
- For performance and strength
- For high conductivity
- Application versatility



| Catalog Number | Wire Size | Alt Wire Size | Bolt Size | Tang Length | Tang Width | Tang Thickness | Overall Length | Die Color Code | I.D. | O.D. |
|----------------|-----------|---------------|-----------|-------------|------------|----------------|----------------|----------------|-------|-------|
| CCL-2-14 | 2 AWG | 3 FLEX | 1/4 | 0.728 | 0.598 | 0.094 | 1.606 | BROWN | 0.335 | 0.429 |
| CCL-2-516 | 2 AWG | 3 FLEX | 5/16 | 0.728 | 0.598 | 0.094 | 1.606 | BROWN | 0.335 | 0.429 |
| CCL-2-38 | 2 AWG | 3 FLEX | 3/8 | 0.728 | 0.598 | 0.094 | 1.606 | BROWN | 0.335 | 0.429 |
| CCL-2-12 | 2 AWG | 3 FLEX | 1/2 | 0.858 | 0.752 | 0.102 | 1.752 | BROWN | 0.335 | 0.429 |
| CCL-1-14 | 1 AWG | 2 FLEX | 1/4 | 0.858 | 0.650 | 0.098 | 1.720 | GREEN | 0.362 | 0.461 |
| CCL-1-516 | 1 AWG | 2 FLEX | 5/16 | 0.858 | 0.650 | 0.098 | 1.720 | GREEN | 0.362 | 0.461 |
| CCL-1-38 | 1 AWG | 2 FLEX | 3/8 | 0.858 | 0.650 | 0.098 | 1.720 | GREEN | 0.362 | 0.461 |
| CCL-1-12 | 1 AWG | 2 FLEX | 1/2 | 0.858 | 0.752 | 0.102 | 1.831 | GREEN | 0.362 | 0.461 |

Tooling Information

| Catalog Number | Standard Stranded Conductor | | | | Color Code |
|----------------|----------------------------------|--------------------------------|-----------------------------------|----------------|------------|
| | ILSCO | | Burndy | Thomas & Betts | |
| | MT-25 Hand Dieless No. of Crimps | ILC-10-N Die No. No. of Crimps | MY29-3 Hand Dieless No. of Crimps | TBM8 | |
| CCL-2 | (1) | (2) | (2) | (2) | Brown |
| CCL-1 | (1) | (2) | (2) | (2) | Green |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

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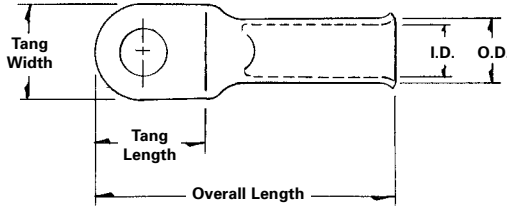
TYPE CCL

Features

- Electro-tin plated
- Sight hole
- Solid seamless tang
- Electrolytic copper
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- For copper conductor only
- Rated to 90° C

Benefits

- Provides low contact resistance
- Visual inspection of proper cable insertion
- For performance and strength
- For high conductivity
- Application versatility



| Catalog Number | Wire Size | Alt Wire Size | Bolt Size | Tang Length | Tang Width | Tang Thickness | Overall Length | Die Color Code | I.D. | O.D. |
|----------------|-----------|---------------|-----------|-------------|------------|----------------|----------------|----------------|-------|-------|
| CCL-1/0-14 | 1/0 AWG | 1 FLEX | 1/4 | 0.791 | 0.713 | 0.110 | 1.831 | PINK | 0.406 | 0.516 |
| CCL-1/0-516 | 1/0 AWG | 1 FLEX | 5/16 | 0.791 | 0.713 | 0.110 | 1.831 | PINK | 0.406 | 0.516 |
| CCL-1/0-38 | 1/0 AWG | 1 FLEX | 3/8 | 0.791 | 0.713 | 0.110 | 1.831 | PINK | 0.406 | 0.516 |
| CCL-1/0-12 | 1/0 AWG | 1 FLEX | 1/2 | 0.890 | 0.815 | 0.110 | 1.902 | PINK | 0.406 | 0.516 |
| CCL-2/0-14 | 2/0 AWG | 1/0 FLEX | 1/4 | 0.929 | 0.815 | 0.110 | 2.055 | BLACK | 0.461 | 0.571 |
| CCL-2/0-516 | 2/0 AWG | 1/0 FLEX | 5/16 | 0.929 | 0.815 | 0.110 | 2.055 | BLACK | 0.461 | 0.571 |
| CCL-2/0-38 | 2/0 AWG | 1/0 FLEX | 3/8 | 0.929 | 0.815 | 0.110 | 2.055 | BLACK | 0.461 | 0.571 |
| CCL-2/0-12 | 2/0 AWG | 1/0 FLEX | 1/2 | 0.929 | 0.815 | 0.110 | 2.055 | BLACK | 0.461 | 0.571 |

Tooling Information

| Catalog Number | Standard Stranded Conductor | | | | Color Code |
|----------------|----------------------------------|--------------------------------|-----------------------------------|----------------|------------|
| | ILSCO | | Burndy | Thomas & Betts | |
| | MT-25 Hand Dieless No. of Crimps | ILC-10-N Die No. No. of Crimps | MY29-3 Hand Dieless No. of Crimps | TBM8 | |
| CCL-1/0 | (1) | (2) | (2) | (2) | Pink |
| CCL-2/0 | (1) | - | (2) | (2) | |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

Copper Compression Lugs

Conductor Range 4/0-3/0

TYPE CCL

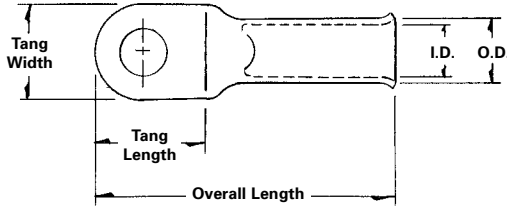
Features

- Electro-tin plated
- Sight hole
- Solid seamless tang
- Electrolytic copper
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- For copper conductor only
- Rated to 90° C

Benefits

- Provides low contact resistance
- Visual inspection of proper cable insertion
- For performance and strength
- For high conductivity
- Application versatility

A



| Catalog Number | Wire Size | Alt Wire Size | Bolt Size | Tang Length | Tang Width | Tang Thickness | Overall Length | Die Color Code | I.D. | O.D. |
|----------------|-----------|---------------|-----------|-------------|------------|----------------|----------------|----------------|-------|-------|
| CCL-3/0-14 | 3/0 AWG | 2/0 FLEX | 1/4 | 0.969 | 0.894 | 0.118 | 2.161 | ORANGE | 0.512 | 0.630 |
| CCL-3/0-516 | 3/0 AWG | 2/0 FLEX | 5/16 | 0.969 | 0.894 | 0.118 | 2.161 | ORANGE | 0.512 | 0.630 |
| CCL-3/0-38 | 3/0 AWG | 2/0 FLEX | 3/8 | 0.969 | 0.894 | 0.118 | 2.161 | ORANGE | 0.512 | 0.630 |
| CCL-3/0-12 | 3/0 AWG | 2/0 FLEX | 1/2 | 0.969 | 0.894 | 0.118 | 2.161 | ORANGE | 0.512 | 0.630 |
| CCL-4/0-14 | 4/0 AWG | 3/0 FLEX | 1/4 | 1.071 | 1.035 | 0.130 | 2.382 | PURPLE | 0.591 | 0.720 |
| CCL-4/0-516 | 4/0 AWG | 3/0 FLEX | 5/16 | 1.071 | 1.035 | 0.130 | 2.382 | PURPLE | 0.591 | 0.720 |
| CCL-4/0-38 | 4/0 AWG | 3/0 FLEX | 3/8 | 1.071 | 1.035 | 0.130 | 2.382 | PURPLE | 0.591 | 0.720 |
| CCL-4/0-12 | 4/0 AWG | 3/0 FLEX | 1/2 | 1.071 | 1.035 | 0.130 | 2.382 | PURPLE | 0.591 | 0.720 |

Tooling Information

| Catalog Number | Standard Stranded Conductor | | | | Color Code |
|----------------|----------------------------------|--------------------------------|-----------------------------------|----------------|------------|
| | ILSCO | | Burndy | Thomas & Betts | |
| | MT-25 Hand Dieless No. of Crimps | ILC-10-N Die No. No. of Crimps | MY29-3 Hand Dieless No. of Crimps | TBM8 | |
| CCL-3/0 | (1) | - | (2) | (2) | |
| CCL-4/0 | (2) | - | (2) | (2) | |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

A

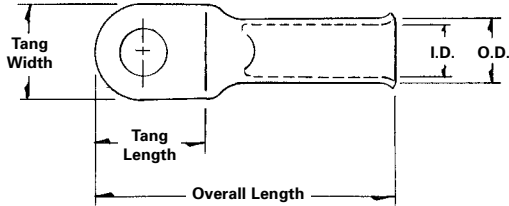
TYPE CRAM

Features

- Electro-tin plated
- Sight hole
- Solid seamless tang
- Electrolytic copper
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90° C

Benefits

- Provides low contact resistance
- Visual inspection of proper cable insertion
- For performance and strength
- For high conductivity
- Application versatility



| Catalog Number | Alt Wire Size | Wire Size | Bolt Size | Tang Length | Tang Width | Tang Thickness | Overall Length | Die Color Code | I.D. | O.D. |
|----------------|---------------|-----------|-----------|-------------|------------|----------------|----------------|----------------|-------|-------|
| CRA-8-8/10M | 8 FLEX | 8 AWG | #8-#10 | 0.579 | 0.445 | 0.071 | 1.201 | RED | 0.185 | 0.256 |
| CRA-8-14M | 8 FLEX | 8 AWG | 1/4 | 0.579 | 0.445 | 0.071 | 1.201 | RED | 0.185 | 0.256 |
| CRA-8-516M | 8 FLEX | 8 AWG | 5/16 | 0.724 | 0.598 | 0.059 | 1.276 | RED | 0.185 | 0.256 |
| CRA-8-38M | 8 FLEX | 8 AWG | 3/8 | 0.724 | 0.598 | 0.059 | 1.276 | RED | 0.185 | 0.256 |
| CRA-8-12M | 8 FLEX | 8 AWG | 1/2 | 0.858 | 0.752 | 0.059 | 1.480 | RED | 0.185 | 0.256 |
| CRA-6-10M | 6 FLEX | 6 AWG | #10 | 0.579 | 0.445 | 0.075 | 1.268 | BLUE | 0.232 | 0.299 |
| CRA-6-14M | 6 FLEX | 6 AWG | 1/4 | 0.579 | 0.445 | 0.075 | 1.268 | BLUE | 0.232 | 0.299 |
| CRA-6-516-M | 6 FLEX | 6 AWG | 5/16 | 0.724 | 0.598 | 0.067 | 1.409 | BLUE | 0.232 | 0.299 |
| CRA-6-38M | 6 FLEX | 6 AWG | 3/8 | 0.724 | 0.598 | 0.067 | 1.409 | BLUE | 0.232 | 0.299 |
| CRA-6-12M | 6 FLEX | 6 AWG | 1/2 | 0.858 | 0.752 | 0.059 | 1.551 | BLUE | 0.232 | 0.299 |
| CRA-4-10M | 4 FLEX | 4 AWG | #10 | 0.681 | 0.516 | 0.075 | 1.496 | GRAY | 0.283 | 0.362 |
| CRA-4-14M | 4 FLEX | 4 AWG | 1/4 | 0.681 | 0.516 | 0.075 | 1.496 | GRAY | 0.283 | 0.362 |
| CRA-4-516M | 4 FLEX | 4 AWG | 5/16 | 0.728 | 0.626 | 0.075 | 1.496 | GRAY | 0.283 | 0.362 |
| CRA-4-38M | 4 FLEX | 4 AWG | 3/8 | 0.728 | 0.626 | 0.075 | 1.496 | GRAY | 0.283 | 0.362 |
| CRA-4-12M | 4 FLEX | 4 AWG | 1/2 | 0.858 | 0.752 | 0.091 | 1.681 | GRAY | 0.283 | 0.362 |
| CRA-2-14M | 2 FLEX | 1 AWG | 1/4 | 0.858 | 0.650 | 0.098 | 1.720 | GREEN | 0.362 | 0.461 |
| CRA-2-516M | 2 FLEX | 1 AWG | 5/16 | 0.858 | 0.650 | 0.098 | 1.720 | GREEN | 0.362 | 0.461 |
| CRA-2-38M | 2 FLEX | 1 AWG | 3/8 | 0.858 | 0.650 | 0.098 | 1.720 | GREEN | 0.362 | 0.461 |
| CRA-2-12M | 2 FLEX | 1 AWG | 1/2 | 0.858 | 0.752 | 0.102 | 1.831 | GREEN | 0.362 | 0.461 |

Tooling Information

| Flex Size | AWG Size | ILSCO | Burndy |
|-----------|----------|--|---|
| | | MT-25 Hand Dieless (A) No. of Crimps | MY29-3 Hand Dieless (A) No. of Crimps |
| 8 | 8 | (1) | (1) |
| 6 | 6 | (1) | (1) |
| 4 | 4 | (1) | (1) |
| 2 | 1 | (1) | (2) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

TYPE CRAM

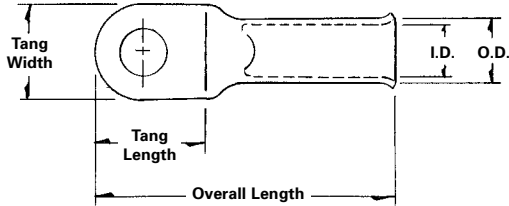
Features

- Electro-tin plated
- Sight hole
- Solid seamless tang
- Electrolytic copper
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90° C

Benefits

- Provides low contact resistance
- Visual inspection of proper cable insertion
- For performance and strength
- For high conductivity
- Application versatility

A



| Catalog Number | Alt Wire Size | Wire Size | Bolt Size | Tang Length | Tang Width | Tang Thickness | Overall Length | Die Color Code | I.D. | O.D. |
|----------------|---------------|-----------|-----------|-------------|------------|----------------|----------------|----------------|-------|-------|
| CRA-1-14M | 1 FLEX | 1/0 AWG | 1/4 | 0.791 | 0.713 | 0.110 | 1.831 | PINK | 0.406 | 0.516 |
| CRA-1-516M | 1 FLEX | 1/0 AWG | 5/16 | 0.791 | 0.713 | 0.110 | 1.831 | PINK | 0.406 | 0.516 |
| CRA-1-38M | 1 FLEX | 1/0 AWG | 3/8 | 0.791 | 0.713 | 0.110 | 1.831 | PINK | 0.406 | 0.516 |
| CRA-1-12M | 1 FLEX | 1/0 AWG | 1/2 | 0.890 | 0.815 | 0.110 | 1.902 | PINK | 0.406 | 0.516 |
| CRA-1/0-14M | 1/0 FLEX | 2/0 AWG | 1/4 | 0.929 | 0.815 | 0.110 | 2.055 | BLACK | 0.461 | 0.571 |
| CRA-1/0-516M | 1/0 FLEX | 2/0 AWG | 5/16 | 0.929 | 0.815 | 0.110 | 2.055 | BLACK | 0.461 | 0.571 |
| CRA-1/0-38M | 1/0 FLEX | 2/0 AWG | 3/8 | 0.929 | 0.815 | 0.110 | 2.055 | BLACK | 0.461 | 0.571 |
| CRA-1/0-12M | 1/0 FLEX | 2/0 AWG | 1/2 | 0.929 | 0.815 | 0.110 | 2.055 | BLACK | 0.461 | 0.571 |
| CRA-2/0-14M | 2/0 FLEX | 3/0 AWG | 1/4 | 0.969 | 0.894 | 0.118 | 2.161 | ORANGE | 0.512 | 0.630 |
| CRA-2/0-516M | 2/0 FLEX | 3/0 AWG | 5/16 | 0.969 | 0.894 | 0.118 | 2.161 | ORANGE | 0.512 | 0.630 |
| CRA-2/0-38-M | 2/0 FLEX | 3/0 AWG | 3/8 | 0.969 | 0.894 | 0.118 | 2.161 | ORANGE | 0.512 | 0.630 |
| CRA-2/0-12M | 2/0 FLEX | 3/0 AWG | 1/2 | 0.969 | 0.894 | 0.118 | 2.161 | ORANGE | 0.512 | 0.630 |
| CRA-3/0-38M | 3/0 FLEX | 4/0 AWG | 3/8 | 1.071 | 1.035 | 0.130 | 2.382 | PURPLE | 0.591 | 0.720 |
| CRA-3/0-12M | 3/0 FLEX | 4/0 AWG | 1/2 | 1.071 | 1.035 | 0.130 | 2.382 | PURPLE | 0.591 | 0.720 |
| CRA-4/0-38M | 4/0 FLEX | 250 kcmil | 3/8 | 1.228 | 1.201 | 0.130 | 2.614 | YELLOW | 0.685 | 0.815 |
| CRA-4/0-12M | 4/0 FLEX | 250 kcmil | 1/2 | 1.228 | 1.201 | 0.130 | 2.614 | YELLOW | 0.685 | 0.815 |

Tooling Information

| Flex Size | AWG Size | ILSCO | Burdy |
|-----------|-----------|--------------------------------------|---------------------------------------|
| | | MT-25 Hand Dieless (A) No. of Crimps | MY29-3 Hand Dieless (A) No. of Crimps |
| 1 | 1/0 | (1) | (2) |
| 1/0 | 2/0 | (1) | (2) |
| 2/0 | 3/0 | (1) | (2) |
| 3/0 | 4/0 | (2) | (2) |
| 4/0 | 250 kcmil | (2) | (2) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

A

TYPE Solder Lugs

Features

- Manufactured from high strength copper tubing
- Seamless construction
- Clearly marked with wire size
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90° C

Benefits

- Provides maximum conductivity
- Won't leak solder
- Provides easy identification
- Application versatility

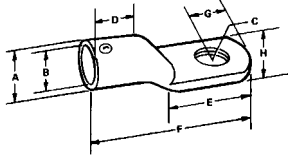


Fig. 1

Fig. 2

| Catalog Number | Old Description | Figure Number | Wire Size | Dimensions | | | | | | | | Amp Rating |
|----------------|-----------------|---------------|-----------|------------|-----------|--------|---------|--------|---------|--------|---------|------------|
| | | | | B | Bolt Size | C | D | E | F | G | H | |
| 3/16 | 25A | 1 | 10 | 9/64 | #8 | 11/64 | 11/32 | 15/32 | 15/16 | 3/16 | 1/4 | 25 Amp |
| 1/4 | 35A | 1 | 8 | 3/16 | #10 | 13/64 | 11/32 | 1/2 | 1-1/32 | 7/32 | 3/8 | 35 Amp |
| 5/16 | 50A | 1 | 6 | 15/64 | #10 | 13/64 | 13/32 | 19/32 | 1-7/32 | 1/4 | 7/16 | 50 Amp |
| 3/8 | 70A | 1 | 4 | 9/32 | 1/4 | 9/32 | 7/16 | 11/16 | 1-3/8 | 9/32 | 17/32 | 70 Amp |
| 7/16 | 90A | 1 | 2 | 11/32 | 1/4 | 9/32 | 1/2 | 3/4 | 1-1/2 | 11/32 | 5/8 | 90 Amp |
| 1/2 | 125A | 1 | 1/0 | 25/64 | 5/16 | 11/32 | 9/16 | 13/16 | 1-3/4 | 13/32 | 3/4 | 125 Amp |
| 9/16 | 150A | 1 | 2/0 | 15/32 | 3/8 | 13/32 | 11/16 | 15/16 | 2 | 7/16 | 13/16 | 150 Amp |
| 5/8 | 175A | 1 | 3/0 | 33/64 | 3/8 | 13/32 | 25/32 | 1 | 2-1/8 | 1/2 | 29/32 | 175 Amp |
| 11/16 | 225A | 1 | 4/0 | 9/16 | 3/8 | 13/32 | 27/32 | 1-5/32 | 2-3/8 | 17/32 | 31/32 | 225 Amp |
| 13/16 | 250A | 1 | 250kcmil | 43/64 | 3/8 | 13/32 | 31/32 | 1-1/4 | 2-21/32 | 5/8 | 1-3/16 | 250 Amp |
| 1-1/8 | 450A | 2 | 600kcmil | 61/64 | 3/8 | 13/32 | 1-1/2 | 2-1/4 | 4-7/16 | 1 | 1-5/8 | 450 Amp |
| 1-5/16 | 550A | 2 | 800kcmil | 1-3/32 | 1/2 | 17/32 | 1-13/16 | 2-1/2 | 5-1/16 | 1-1/8 | 1-15/16 | 550 Amp |
| 1-7/16 | 650A | 2 | 1000kcmil | 1-7/32 | 7/8 | 29/32 | 2 | 2-1/2 | 5-3/8 | 1-3/16 | 2-1/8 | 650 Amp |
| 1-3/4 | 850A | 2 | 1500kcmil | 1-15/32 | 1 | 1-1/32 | 2-3/8 | 3-1/8 | 6-5/8 | 1-7/16 | 2-5/8 | 850 Amp |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

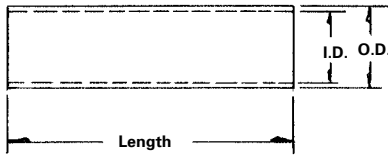
**TYPE
CT**

Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG , #8 - #2 SOL
- For direct bury 500 kcmil - 10
- Rated to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements
- For grounding and bonding applications



A

| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Barrel Length | Die Color Code | Die Index | Die Catalog Number | O.D. | I.D. |
|----------------|-----------|---------------------------------|----------------------|---------------|----------------|-----------|--------------------|-------|-------|
| CT-8 | 8 AWG | #8 Flex, #8 Sol | - | 1.125 | Red | I-21 | ILD-21 | 0.272 | 0.179 |
| CT-6 | 6 AWG | #6 Flex, #6 Sol | - | 1.750 | Blue | I-24-1 | ILD-24 | 0.320 | 0.225 |
| CT-4 | 4 AWG | #4 Sol | 4-6 AWG | 1.750 | Gray | I-29-1 | ILD-29 | 0.343 | 0.250 |
| CT-3 | 3 AWG | #4 Flex | 3-6 AWG | 1.750 | White | I-29-1 | ILD-29 | 0.375 | 0.275 |
| CT-2 | 2 AWG | #2 Sol | 2-6 AWG | 1.875 | Brown | I-33 | ILD-33 | 0.421 | 0.312 |
| CT-1 | 1 AWG | #2 Flex | 1-6 AWG | 1.875 | Green | I-37 | ILD-37 | 0.468 | 0.359 |
| CT-1/0 | 1/0 AWG | #1 Flex | 1/0-6 AWG | 1.875 | Pink | I-42 | ILD-42 | 0.515 | 0.390 |
| CT-2/0 | 2/0 AWG | 1/0 Flex | 2/0-4 AWG | 2.000 | Black | I-45 | ILD-45 | 0.562 | 0.437 |
| CT-3/0 | 3/0 AWG | 2/0 Flex | 3/0-2 AWG | 2.125 | Orange | I-50 | ILD-50 | 0.609 | 0.484 |
| CT-4/0 | 4/0 AWG | 3/0 Flex | 4/0-1 AWG | 2.125 | Purple | I-54 | ILD-54 | 0.687 | 0.546 |
| CT-250 | 250kcmil | 4/0 Flex | 250kcmil-1/0 AWG | 2.250 | Yellow | I-62 | ILD-62 | 0.750 | 0.593 |
| CT-300 | 300kcmil | 250 G,H Flex | 300kcmil-2/0 AWG | 2.250 | White | I-66 | ILD-66 | 0.812 | 0.660 |
| CT-350 | 350kcmil | 250 I,K,M Flex 262.2 DLO | 350kcmil-3/0 AWG | 2.375 | Red | I-71 | ILD-71 | 0.890 | 0.703 |
| CT-400 | 400kcmil | 300 G,H,I,K,M Flex 313.1 DLO | 400kcmil-4/0 AWG | 2.500 | Blue | I-76 | ILD-76 | 0.937 | 0.750 |
| CT-500 | 500kcmil | 350 G,H,I,K,M Flex 373.7 DLO | 500kcmil-250kcmil | 2.875 | Brown | I-87 | ILD-87 | 1.062 | 0.828 |
| CT-600 | 600kcmil | 400 G,H,I,K,M Flex 444.4 DLO | 600kcmil-250kcmil | 2.875 | Green | I-94 | ILD-94 | 1.187 | 0.920 |
| CT-650 | 650kcmil | 500 G,H,I,K,M Flex 535.3 DLO | 650kcmil-350kcmil | 2.875 | Pink | I-99 | ILD-99 | 1.222 | 0.962 |
| CT-700 | 700kcmil | 500 G,H,I,K,M Flex 535.3 DLO | 700kcmil-350kcmil | 3.375 | Pink | I-99 | ILD-99 | 1.250 | 0.991 |
| CT-750 | 750kcmil | 600 G,H,I,M Flex 646.4 DLO | 750kcmil-500kcmil | 3.375 | Black | I-106 | ILD-106 | 1.313 | 1.031 |
| CT-1000 | 1000kcmil | 750 G,H,I Flex 777.7 DLO | 1000kcmil-750kcmil | 3.875 | White | I-125 | ILD-125 | 1.500 | 1.172 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools

See pages 87 to 97 for complete tooling information.

Tested to UL 486A/B, UL File E6207

A

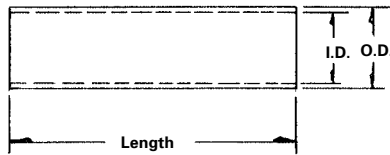
**TYPE
CTL**

Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG , #8 - #2 SOL
- For direct bury 500 kcmil - 10
- Rated to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements
- For grounding and bonding applications



| Catalog Number | Wire Size | Alt Wire Size | Expanded* Wire Range | Barrel Length | Die Color Code | Die Index | Die Catalog Number | O.D. | I.D. |
|----------------|-----------|---------------------------------|----------------------|---------------|----------------|-----------|--------------------|-------|-------|
| CTL-8 | 8 AWG | #8 Flex, #8 Sol | - | 1.75 | Red | I-21 | ILD-21 | 0.272 | 0.179 |
| CTL-6 | 6 AWG | #6 Flex, #6 Sol | - | 2.375 | Blue | I-24 | ILD-24-1 | 0.320 | 0.225 |
| CTL-4 | 4 AWG | #4 Sol | 4-6 AWG | 2.375 | Gray | I-29 | ILD-29-1 | 0.343 | 0.250 |
| CTL-3 | 3 AWG | #4 Flex | 3-6 AWG | 2.375 | White | I-29 | ILD-29-1 | 0.375 | 0.275 |
| CTL-2 | 2 AWG | #2 Sol | 2-6 AWG | 2.625 | Brown | I-33 | ILD-33 | 0.421 | 0.312 |
| CTL-1 | 1 AWG | #2 Flex | 1-6 AWG | 2.875 | Green | I-37 | ILD-37 | 0.468 | 0.359 |
| CTL-1/0 | 1/0 AWG | #1 Flex | 1/0-6 AWG | 2.875 | Pink | I-42 | ILD-42 | 0.515 | 0.390 |
| CTL-2/0 | 2/0 AWG | 1/0 Flex | 2/0-4 AWG | 3.125 | Black | I-45 | ILD-45 | 0.562 | 0.437 |
| CTL-3/0 | 3/0 AWG | 2/0 Flex | 3/0-2 AWG | 3.125 | Orange | I-50 | ILD-50 | 0.609 | 0.484 |
| CTL-4/0 | 4/0 AWG | 3/0 Flex | 4/0-1 AWG | 3.375 | Purple | I-54 | ILD-54 | 0.687 | 0.546 |
| CTL-250 | 250kcmil | 4/0 Flex | 250kcmil-1/0 AWG | 3.375 | Yellow | I-62 | ILD-62 | 0.750 | 0.593 |
| CTL-300 | 300kcmil | 250 G,H Flex | 300kcmil-2/0 AWG | 4.125 | White | I-66 | ILD-66 | 0.812 | 0.660 |
| CTL-350 | 350kcmil | 250 I,K,M Flex 262.2 DLO | 350kcmil-3/0 AWG | 4.125 | Red | I-71 | ILD-71 | 0.890 | 0.703 |
| CTL-400 | 400kcmil | 300 G,H,I,K,M Flex 313.1 DLO | 400kcmil-4/0 AWG | 4.375 | Blue | I-76 | ILD-76 | 0.937 | 0.750 |
| CTL-500 | 500kcmil | 350 G,H,I,K,M Flex 373.7 DLO | 500kcmil-250kcmil | 4.625 | Brown | I-87 | ILD-87 | 1.062 | 0.828 |
| CTL-600 | 600kcmil | 400 G,H,I,K,M Flex 444.4 DLO | 600kcmil-250kcmil | 4.625 | Green | I-94 | ILD-94 | 1.187 | 0.920 |
| CTL-650 | 650kcmil | 500 G,H,I,K,M Flex 535.3 DLO | 650kcmil-350kcmil | 4.625 | Pink | I-99 | ILD-99 | 1.222 | 0.962 |
| CTL-700 | 700kcmil | 500 G,H,I,K,M Flex 535.3 DLO | 700kcmil-350kcmil | 5.875 | Pink | I-99 | ILD-99 | 1.250 | 0.991 |
| CTL-750 | 750kcmil | 600 G,H,I,M Flex 646.4 DLO | 750kcmil-500kcmil | 5.875 | Black | I-106 | ILD-106 | 1.313 | 1.031 |
| CTL-1000 | 1000kcmil | 750 G,H,I Flex 777.7 DLO | 1000kcmil-750kcmil | 6.125 | White | I-125 | ILD-125 | 1.500 | 1.172 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* When installed with specified dieless tools

See pages 87 to 97 for complete tooling information.

Tested to UL 486A/B, UL File E6207

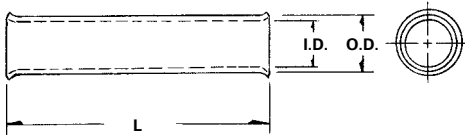
TYPE CCS

Features

- Manufactured from high strength copper
- Electro-tin plated
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Color coded
- Sight hole
- Flared end
- Rated to 90° C

Benefits

- Provides maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- Application versatility
- Provides visual tooling recommendation for IlSCO or standard industry tools
- Allows visual inspection
- Easy wire insertion



| Catalog Number | Wire Size | Die Color Code | L | O.D. | I.D. |
|----------------|-----------|----------------|---------|-------|-------|
| CCS-6 | 6 | Blue | 1-1/16 | 5/16 | 15/64 |
| CCS-4 | 4 | Grey | 1-13/64 | 23/64 | 9/32 |
| CCS-2 | 2 | Brown | 1-23/64 | 7/16 | 21/64 |
| CCS-1 | 1 | Green | 1-23/64 | 15/32 | 23/64 |
| CCS-1/0 | 1/0 | Pink | 1-35/64 | 33/64 | 13/32 |
| CCS-2/0 | 2/0 | Black | 1-51/64 | 37/64 | 15/32 |
| CCS-3/0 | 3/0 | Orange | 1-29/32 | 5/8 | 33/64 |
| CCS-4/0 | 4/0 | Purple | 2 | 11/16 | 9/16 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E158587

Compression Grounding

Figure 6 - 6 Grounding Grid

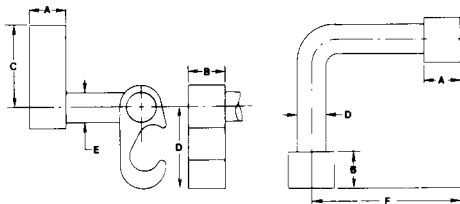
A TYPE GGA

Features

- Manufactured from high strength copper alloy
- Clearly marked with wire size and die index
- Range taking
- Connector can be adjusted prior to installation
- Non-hazardous installation
- Prefilled with DE-OX® oxide inhibiting compound
- Temperature Rating 90° C
- UL Listed and CSA Certified for grounding and bonding

Benefits

- Provides maximum conductivity. Suitable for direct burial.
- Provides easy identification and tooling recommendation
- Reduces inventory. Six sizes cover a wire range from 500kcmil to #6, and 1/2" to 3/4" ground rods.
- Permits adjustments to be made for misaligned cross grids
- Can be installed in all types of weather with no need for protective equipment or clothing. Does not produce heat or dangerous particles.
- Prevents oxides from forming
- Ensures reliability
- Direct burial in earth or concrete



| Catalog Number | Wire Range | | | | | Dimensions - in. (mm) | | | | | |
|----------------|-------------------|-------------------|---------------------|-------------------|--------|-----------------------|-------------|--------------|--------------|-------------|--------------|
| | Cable to Cable | | Cable to Ground Rod | | Rebar | A | B | C | D | E | F |
| | Side A | Side B | Side A | Side B | Side B | | | | | | |
| GGA-1 | 2str-6sol | 2str-6sol | - | - | - | .750 (19.1) | .750 (19.1) | 1.090 (27.7) | 1.090 (27.7) | .313 (8.0) | 2.500 (63.5) |
| GGA-2 | 250kcmil-1str | 2str-6sol | 1/2 - 5/8 Rod | 2str-6sol | #3-4 | .750 (19.1) | .750 (19.1) | 1.660 (42.2) | 1.090 (27.7) | .313 (8.0) | 2.500 (63.5) |
| GGA-3 | 250kcmil-2str | 250kcmil-2str | 1/2 - 5/8 Rod | 250kcmil-2str | #3-4 | .750 (19.1) | .750 (19.1) | 1.660 (42.2) | 1.660 (42.2) | .500 (12.7) | 2.500 (63.5) |
| GGA-4 | 500kcmil-250kcmil | 2str-6sol | 5/8 - 3/4 Rod | 2str-6sol | #5-6 | .750 (19.1) | .750 (19.1) | 2.090 (53.1) | 1.090 (27.7) | .313 (8.0) | 2.500 (63.5) |
| GGA-5 | 500kcmil-250kcmil | 250kcmil-2str | 5/8 - 3/4 Rod | 250kcmil-2str | #5-6 | .750 (19.1) | .750 (19.1) | 2.090 (53.1) | 1.660 (42.2) | .500 (12.7) | 2.500 (63.5) |
| GGA-6 | 500kcmil-250kcmil | 500kcmil-250kcmil | 5/8 - 3/4 Rod | 500kcmil-250kcmil | #5-6 | .750 (19.1) | .750 (19.1) | 2.280 (57.9) | 2.280 (57.9) | .750 (19.1) | 2.500 (63.5) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Tested to UL 467, UL File E34440

The GGA Series compression ground grid cross connector can be used to connect a copper ground grid system together or to connect a copper ground grid system to a copper clad ground rod. The GGA Series of compression connectors allow adjustment of each side of the connector prior to installation. The GGA Series of compression connectors are pre-filled with oxide inhibiting compound and are suitable for direct burial.

Notes:

1. ILSCO ILC-12 or ILC-15 Series Tools and ILD Series Dies may be used. Note: Adapter required when using ILC-15 Series Tool. Burndy tools and dies may also be used.
2. Perform a "pre-crimp" on ground rod prior to installing GGA connector. Use an indent type of die such as ILD-Precrimp.
3. Each side of the GGA Series may be rotated around the rod to any desired position before crimping.

| ILSCO Installation Tooling | | |
|---|----------------------|----------------------|
| ILC-12-N, ILC-12H-N, ILCB-12-N, ILC-15-H TB-12U1000-P, TM-12U1000, TR-12U1000 Die Index (No. of Crimps) | | |
| Catalog Number | Side A | Side B |
| GGA-1 | O (1) | O (1) |
| GGA-2 | 997 (1) | O (1) |
| GGA-3 | 997 (1) | 997 (1) |
| GGA-4 | 998 (1) | O (1) |
| GGA-5 | 998 (1) | 997 (1) |
| GGA-6 | 999 (1), 1011 (3) | 999 (1), 1011 (3) |

Compression Grounding

Figure 6 - 8 Grounding Grid

TYPE GGB

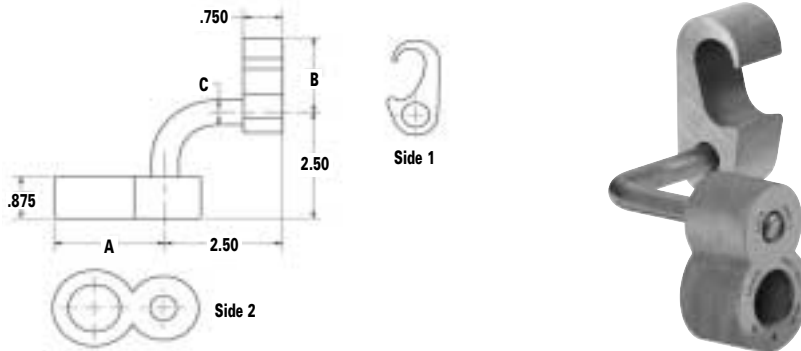
Features

- Manufactured from high strength copper alloy
- Clearly marked with wire size and die index
- Each size accepts a wide range of cable sizes
- Side 1 & Side 2 can be rotated to any position before crimping
- UL Listed and CSA Certified for grounding and bonding
- Prefilled with DE-OX® oxide inhibiting compound
- TN in catalog number designates tin plated

Benefits

- Provides maximum conductivity
- Provides easy identification and tooling recommendation
- Application flexibility and reduced inventory
- Ease of installation
- Direct burial in earth or concrete
- Prevents oxides from forming
- For use with galvanized steel ground rod

A



| Catalog Number | Commercial Copper Cable Range Side 1 | Metric Copper Cable Range Side 1 | Copper Weld Cable Range Side 1 | Ground Rod Diameter Side 2 | Rebar Side 2 | Dimensions - in. (mm) | | |
|----------------|--|--|--|----------------------------|--------------|-----------------------|--------------|--------------|
| | | | | | | A | B | C |
| GGB-1 | 250kcmil (.575 dia.) thru 2str (.292 dia.) | 120mm ² (14.40mm dia.) thru 35mm ² (7.62mm dia.) | 248.8kcmil (.572 dia.) thru 91.65kcmil (.343 dia.) | 1/2" | #3 | 1.390 (35.3) | 1.660 (42.2) | 0.312 (7.9) |
| GGB-2 | 250kcmil (.575 dia.) thru 2str (.292 dia.) | 120mm ² (14.40mm dia.) thru 35mm ² (7.62mm dia.) | 248.8kcmil (.572 dia.) thru 91.65kcmil (.343 dia.) | 5/8" | #4 | 1.455 (37.0) | 1.660 (42.2) | 0.312 (7.9) |
| GGB-3 | 250kcmil (.575 dia.) thru 2str (.292 dia.) | 120mm ² (14.40mm dia.) thru 35mm ² (7.62mm dia.) | 248.8kcmil (.572 dia.) thru 91.65kcmil (.343 dia.) | 3/4" | #5 | 1.644 (41.8) | 1.660 (42.2) | 0.500 (12.7) |
| GGB-4 | 250kcmil (.575 dia.) thru 2str (.292 dia.) | 120mm ² (14.40mm dia.) thru 35mm ² (7.62mm dia.) | 248.8kcmil (.572 dia.) thru 91.65kcmil (.343 dia.) | 1" | #6-7 | 2.025 (51.4) | 1.677 (42.6) | 0.500 (12.7) |
| GGB-5 | 500kcmil (.813 dia.) thru 250kcmil (.575 dia.) | 240mm ² (20.35mm dia.) thru 120mm ² (14.40mm dia.) | 498.8kcmil (.810 dia.) thru 248.8kcmil (.572 dia.) | 1/2" | #3 | 1.390 (35.3) | 2.075 (52.7) | 0.312 (7.9) |
| GGB-6 | 500kcmil (.813 dia.) thru 250kcmil (.575 dia.) | 240mm ² (20.35mm dia.) thru 120mm ² (14.40mm dia.) | 498.8kcmil (.810 dia.) thru 248.8kcmil (.572 dia.) | 5/8" | #4 | 1.455 (37.0) | 2.075 (52.7) | 0.312 (7.9) |
| GGB-7 | 500kcmil (.813 dia.) thru 250kcmil (.575 dia.) | 240mm ² (20.35mm dia.) thru 120mm ² (14.40mm dia.) | 498.8kcmil (.810 dia.) thru 248.8kcmil (.572 dia.) | 3/4" | #5 | 1.644 (41.8) | 2.075 (52.7) | 0.500 (12.7) |
| GGB-8 | 500kcmil (.813 dia.) thru 250kcmil (.575 dia.) | 240mm ² (20.35mm dia.) thru 120mm ² (14.40mm dia.) | 498.8kcmil (.810 dia.) thru 248.8kcmil (.572 dia.) | 1" | #6-7 | 2.025 (51.4) | 2.075 (52.7) | 0.500 (12.7) |
| GGB-3TN | 250kcmil (.575 dia.) thru 2str (.292 dia.) | 120mm ² (14.40mm dia.) thru 35mm ² (7.62mm dia.) | 248.8kcmil (.572 dia.) thru 91.65kcmil (.343 dia.) | 3/4" | N/A | 1.644 (41.8) | 1.660 (42.2) | 0.500 (12.7) |
| GGB-6TN | 500kcmil (.813 dia.) thru 250kcmil (.575 dia.) | 240mm ² (20.35mm dia.) thru 120mm ² (14.40mm dia.) | 498.8kcmil (.810 dia.) thru 248.8kcmil (.572 dia.) | 5/8" | N/A | 1.455 (37.0) | 2.075 (52.7) | 0.312 (7.9) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL467, UL File E34440

Notes:

1. When used with ground rods, it is recommended to rough up the end of ground rod where GGB is to be placed. This provides good rotational resistance. **Perform a "pre-crimp" on ground rod prior to installing GGB connector. Use an indent type of die such as ILD-Precrimp.**

Compression Grounding

Figure 6 - 8 Grounding Grid Tooling

A TYPE GGB

Features

- Manufactured from high strength copper alloy
- Clearly marked with wire size and die index
- Each size accepts a wide range of cable sizes
- Side 1 & Side 2 can be rotated to any position before crimping
- UL Listed and CSA Certified for grounding and bonding
- Prefilled with DE-OX® oxide inhibiting compound
- TN in catalog number designates tin plated

Benefits

- Provides maximum conductivity
- Provides easy identification and tooling recommendation
- Application flexibility and reduced inventory
- Ease of installation
- Direct burial in earth or concrete
- Prevents oxides from forming
- For use with galvanized steel ground rod

| Catalog Number | INSTALLATION TOOLING | | | | | |
|----------------|---|---------|--|---------|---|---------|
| | ILSCO | | Burdny | | Thomas & Betts (w/Burdny Dies) | |
| | ILC-12-N, ILC-12H-N, ILCB-12-N, & ILC-15 Series† TB-12U1000-P, TM-12U1000, TR-12U1000 Die (No. of Crimps) | | Y35, Y39, Y46, Y750, PAT750 & PAT46 Series Die (No. of Crimps) | | TBM14, TBM15, BPLT14 & BPLT15 Series, 1300A Die (No. of Crimps) | |
| | Side 1 | Side 2 | Side 1 | Side 2 | Side 1 | Side 2 |
| GGB-1 | 997 (1) | 998 (1) | 997 (1) | 998 (1) | 997 (1) | 998 (1) |
| GGB-2 | 997 (1) | 998 (1) | 997 (1) | 998 (1) | 997 (1) | 998 (1) |
| GGB-3 | 997 (1) | 998 (1) | 997 (1) | 998 (1) | 997 (1) | 998 (1) |
| GGB-4 | 997 (1) | 998 (1) | 997 (1) | 998 (1) | 997 (1) | 998 (1) |
| GGB-5 | 998 (1) | 998 (1) | 998 (1) | 998 (1) | 998 (1) | 998 (1) |
| GGB-6 | 998 (1) | 998 (1) | 998 (1) | 998 (1) | 998 (1) | 998 (1) |
| GGB-7 | 998 (1) | 998 (1) | 998 (1) | 998 (1) | 998 (1) | 998 (1) |
| GGB-8 | 998 (1) | 998 (1) | 998 (1) | 998 (1) | 998 (1) | 998 (1) |
| GGB-3TN | 997 (1) | 998 (1) | 997 (1) | 998 (1) | 997 (1) | 998 (1) |
| GGB-6TN | 998 (1) | 998 (1) | 998 (1) | 998 (1) | 998 (1) | 998 (1) |

997 and 998 are Burdny die indexes

† Adaptor required when using ILC-15 Series tools

TYPE GGC

Features

- Manufactured from high strength copper alloy
- Clearly marked with wire size and die index
- Range taking
- Versatile
- Non-hazardous installation
- Prefilled with DE-OX® oxide inhibiting compound
- Temperature Rating 90° C
- UL Listed and CSA Certified for grounding and bonding

Benefits

- Provides maximum conductivity
- Provides easy identification and tooling recommendation
- Reduces inventory. Eight sizes cover a wire range from 500kcmil to #6, and 1/2" to 3/4" ground rods.
- Can be used as a tap connector or as a lap splice connector
- Can be installed in all types of weather with no need for protective equipment or clothing. Does not produce heat or dangerous particles.
- Prevents oxides from forming
- Ensures reliability
- For direct burial in earth or concrete

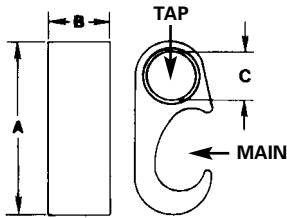


Fig. 1



Fig. 2

| Catalog Number | Figure Number | Wire Range | | Main Rebar | Main Ground Rod | Dimensions - in. (mm) | | | Die Index Number |
|----------------|---------------|------------------------------------|-------------------|------------|-----------------|-----------------------|------------|------------|------------------|
| | | Main | Tap | | | A | B | C | |
| GGC-1 | 1 | 2str-6sol | 2str-6sol | - | - | 1.40 (35.6) | .75 (19.1) | .33 (8.4) | 0 |
| GGC-2 | 1 | 250kcmil-1/0str 1/2 - 5/8 Rod | 2str-4sol | #3-4 | 1/2 - 5/8 | 2.10 (53.3) | .75 (19.1) | .33 (8.4) | 997 |
| GGC-3 | 1 | 250kcmil-1/0str 1/2 - 5/8 Rod | 2/0str-1/0str | #3-4 | 1/2 - 5/8 | 2.10 (53.3) | .75 (19.1) | .44 (11.2) | 997 |
| GGC-4 | 1 | 250kcmil-1/0str 1/2 - 5/8 Rod | 250kcmil-3/0str | #3-4 | 1/2 - 5/8 | 2.10 (53.3) | .75 (19.1) | .61 (15.5) | 997 |
| GGC-5 | 1 | 500kcmil-250kcmil 5/8 - 3/4 Rod | 2str-4sol | #5-6 | 5/8 - 3/4 | 2.60 (66.0) | .75 (19.1) | .33 (8.4) | 998 |
| GGC-6 | 1 | 500kcmil-250kcmil 5/8 - 3/4 Rod | 2/0str-1/0str | #5-6 | 5/8 - 3/4 | 2.60 (66.0) | .75 (19.1) | .44 (11.2) | 998 |
| GGC-7 | 1 | 500kcmil-250kcmil 5/8 - 3/4 Rod | 250kcmil-3/0str | #5-6 | 5/8 - 3/4 | 2.60 (66.0) | .75 (19.1) | .61 (15.5) | 998 |
| GGC-8 | 1 | 500kcmil-250kcmil 5/8 - 3/4 Rod | 500kcmil-350kcmil | #5-6 | 5/8 - 3/4 | 2.90 (73.7) | .75 (19.1) | .84 (21.3) | 999/1011 |
| GGC-9 | 2 | 250kcmil-1/0str 1/2 - 5/8 Rod | 6str-6sol | #3-4 | 1/2 - 5/8 | 2.60 (66.0) | .75 (19.1) | - | 997 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 467, UL File E34440

NOTE: Hydraulic tools required on all sizes except GGC-1 Dieless tools can not be used

The GGC Series compression ground tap connector can be used as a tap connector to connect copper ground wire to a copper clad ground rod or as a lap splice connector splicing copper conductors together. The GGC Series of compression connectors are pre-filled with inhibiting compound and are suitable for direct burial.

Notes:

1. ILSCO ILC-12 or ILC-15 Series Tools and ILD Series Dies may be used. Note: Adapter required when using ILC-15 Series Tool. Burndy tools and dies may also be used.
2. Perform a "pre-crimp" on ground rod prior to installing GGC connector. Use an indent type of die such as ILD-Precrimp.
3. When using #6 AWG solid wire in the tap side, fold conductor double prior to crimping.
4. When using GGC-4, if 3/0 conductor is used in the tap side, use a minimum of 2/0 conductor in the run side.

A

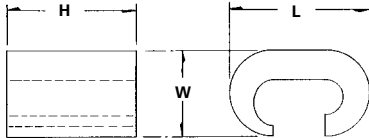
TYPE ULT

Features

- Manufactured from high conductivity copper alloy
- Clearly marked with wire size and die index
- Range taking
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90° C
- UL Listed and CSA Certified for grounding, bonding and power

Benefits

- Provides maximum conductivity and eliminates the possibility of corrosion
- Provides easy identification and tooling recommendation
- Reduces inventory
- Application versatility
- Direct Burial in earth or concrete



| Catalog Number | Copper Wire Range | | Die Index | Dimensions - in. (mm) | | |
|----------------|-------------------|---------------|-----------|-----------------------|--------------|--------------|
| | Main | Tap | | L | W | H |
| ULT-1-Z | 10str-12sol | 10str-12sol | 238 | .366 (9.3) | .279 (7.1) | .320 (8.1) |
| ULT-2-Z | 8str-8sol | 8str-10sol | 162 | .486 (12.3) | .353 (9.0) | .500 (12.7) |
| ULT-3-Z | 4str-6sol | 8str-8sol | BG or 5/8 | .735 (18.7) | .470 (11.9) | .615 (15.6) |
| ULT-4-Z | 4str-6sol | 6str-6sol | BG or 5/8 | .765 (19.4) | .460 (11.7) | .700 (17.8) |
| ULT-5-Z | 4str-6sol | 4str-4sol | BG or 5/8 | .830 (21.1) | .470 (11.9) | .700 (17.8) |
| ULT-6-Z | 2str-2sol | 4str-8sol | C | .990 (25.1) | .614 (15.6) | .830 (21.1) |
| ULT-7-Z | 2str-2sol | 2str-2sol | C | 1.047 (26.6) | .614 (15.6) | .826 (21.0) |
| ULT-8-Z | 2/0str-1/0sol | 2str-8sol | O | 1.350 (34.3) | .812 (20.6) | .925 (23.5) |
| ULT-9-Z | 2/0str-1/0sol | 2/0str-1/0sol | O | 1.350 (34.3) | .812 (20.6) | .925 (23.5) |
| ULT-10-Z | 4/0str-3/0sol | 2str-6sol | D3 | 1.628 (41.4) | 1.000 (25.4) | 1.075 (27.3) |
| ULT-11-Z | 4/0str-3/0sol | 2/0str-1/0sol | D3 | 1.628 (41.4) | 1.000 (25.4) | 1.075 (27.3) |
| ULT-12-Z | 4/0str-3/0str | 4/0str-3/0str | D3 | 1.610 (40.9) | 1.000 (25.4) | 1.200 (30.5) |

Tooling Information

| Catalog Number | ILSCO | Burndy |
|----------------|---|---|
| | ILC-12-N, TB-12U1000-P TM-12U1000, TR-12U1000 Die (No. of Crimps) | Y35, Y39, Y750 Series Y46/PAT46, PAT 750 Series Die (No. of Crimps) |
| ULT-1-Z | 238 (1) | 238 (1) |
| ULT-2-Z | 162 (1) | 162 (1) |
| ULT-3-Z | BG or 5/8 (1) | BG or 5/8 (1) |
| ULT-4-Z | BG or 5/8 (1) | BG or 5/8 (1) |
| ULT-5-Z | BG or 5/8 (1) | BG or 5/8 (1) |
| ULT-6-Z | C (1) | C (1) |
| ULT-7-Z | C (1) | C (1) |
| ULT-8-Z | O (1) | O (1) |
| ULT-9-Z | O (1) | O (1) |
| ULT-10-Z | D3 (1) | D3 (1) |
| ULT-11-Z | D3 (1) | D3 (1) |
| ULT-12-Z | D3 (1) | D3 (1) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Tested to UL 486A/B, UL File E6207

Tested to UL 467, UL File E6207

TYPE ELT

Features

- Manufactured from copper alloy
- Clearly marked with wire size and die index
- Range taking
- UL Listed and CSA Certified for grounding and bonding
- May be used in ground grid applications

Benefits

- Provides maximum conductivity
- Provides easy identification and tooling recommendation
- Reduces inventory
- For direct burial in earth or concrete
- Flexibility in application

A



| Catalog Number | Copper Wire Range | | Width - in. (mm) | Die Index | Rebar | | Main Ground Rod |
|----------------|-------------------|-------------------|------------------|---------------|-------|-------|-----------------|
| | Main | Tap | | | Main | Tap | |
| ELT-1 | 2str-6sol | 2str-6sol | .750 (19.1) | C (U Type) | - | - | - |
| ELT-4 | 2/0str-1str | 2str-6str | .750 (19.1) | O (U Type) | #3 | - | - |
| ELT-2 | 2/0str-1str | 2/0str-1str | .750 (19.1) | O (U Type) | #3 | #3 | - |
| ELT-5 | 250kcmil-3/0str | 2/0str-6sol | .750 (19.1) | 997 (U Type) | #4 | #3 | 1/2" |
| ELT-3 | 250kcmil-3/0str | 250kcmil-3/0str | .900 (22.9) | 997 (U Type) | #4 | #4 | 1/2" |
| ELT-6 | 500kcmil-300kcmil | 250kcmil-3/0str | .875 (22.2) | 1011 (U Type) | #6 | #3-#4 | 3/4" |
| ELT-7 | 500kcmil-300kcmil | 3/0str-6sol | .875 (22.2) | 1011 (U Type) | #5 | #3-#4 | 5/8" |
| ELT-8 | 500kcmil-300kcmil | 500kcmil-300kcmil | .875 (22.2) | 1011 (U Type) | #5-#6 | #5-#6 | 5/8" |

Tooling Information

| Catalog Number | ILSCO | | Burdny | | |
|----------------|--|--|-----------------------------------|-----------------------------------|-----------------------------|
| | ILC-12-N, ILC-12H-N, ILC-12, ILC-12H, ILC-14, ILC-14H, ILCB-12-N, ILCB-12-LIO, TB-12U1000-P, TM-12U1000, TR-12U1000 Die (No. of Crimps) | ILC-15H, ILC-15 Die (No. of Crimps) | Y-35, Y-45 Die (No. of Crimps) | Y-35, Y-45 Die (No. of Crimps) | Y-46 Die (No. of Crimps) |
| ELT-1 | ILD-C (1) | - | C (U Type) (1) | - | - |
| ELT-2 | ILD-O (1) | - | O (U Type) (1) | - | - |
| ELT-3 | ILD-U997 (1) | - | 997 (U Type) (1) | - | - |
| ELT-4 | ILD-O (1) | - | O (U Type) (1) | - | - |
| ELT-5 | ILD-U997 (1) | - | 997 (U Type) (1) | - | - |
| ELT-6 | ILD-U1011 (2) | ILD-P1011 (2) | - | 1011 (U Type) (2) | 1011 (U Type) (1) |
| ELT-7 | ILD-U1011 (2) | ILD-P1011 (2) | - | 1011 (U Type) (2) | 1011 (U Type) (1) |
| ELT-8 | ILD-U1011 (2) | ILD-P1011 (2) | - | 1011 (U Type) (2) | 1011 (U Type) (1) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG) See information sheet for complete information on tooling.
Tested to UL 467, UL File E34440

A

TYPE CGP

Features

- Cast copper alloy body
- Available in two and four hole NEMA spacing
- Underside tapped hole
- Pre-filled with De-Ox Oxide Inhibitor
- UL Listed for grounding and bonding

Benefits

- High strength, high conductivity
- Industry standard
- Ease of positioning
- Direct burial in earth or concrete

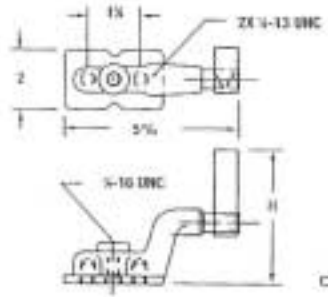


Fig. 1

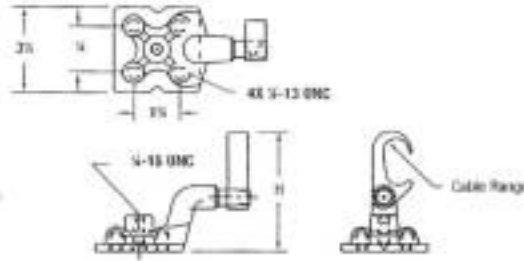


Fig. 2



| Catalog Number | Figure Number | Cable Range | H - in. (mm) | Dies |
|----------------|---------------|-------------------|----------------|----------|
| CGP2-2250 | 1 | 250kcmil-2 | 3-5/8 (92.1) | *15G86R |
| CGP4-2250 | 2 | 250kcmil-2 | 4-1/32 (102.4) | *15G86R |
| CGP2-250500 | 1 | 500kcmil-250kcmil | 3-5/8 (92.1) | *15G126R |
| CGP4-250500 | 2 | 500kcmil-250kcmil | 4-1/32 (102.4) | *15G126R |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

*T&B Dies

UL File E158587

Tooling Information:

*T&B Dies can be used in the following Thomas & Betts tools:

- TBM14M
- TBM14MC
- TBM14BSCR
- BPLT14BSCR
- BPLT14BSCRI
- 13100A
- TBM15I

TYPE CST CDT

Features

- Made of high conductivity copper
- Metal barrier separates conductor
- Generous chamfer
- UL Listed for grounding and bonding
- UL 467 Listed
- UL 486A/B Listed

Benefits

- Provides maximum conductivity
- Eliminating strand cutting
- Protects cable
- Direct burial in earth or concrete

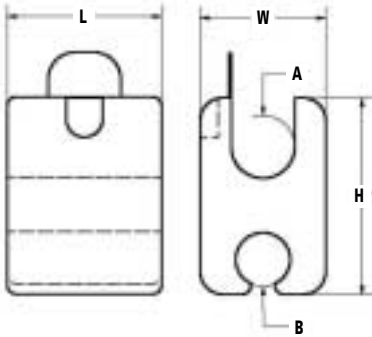
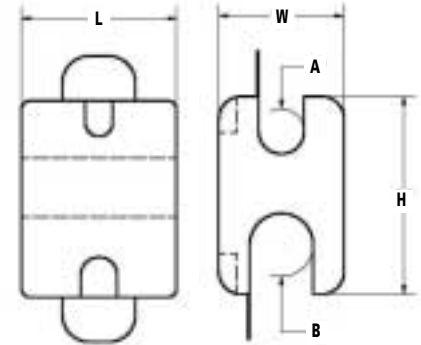


Fig. 1



Fig. 2



SINGLE TAB

| Catalog Number | Figure Number | Side A Main | Wire Diameter Range in. (mm) | Side B Tap | Wire Diameter Range in. (mm) | Dimensions - in. (mm) | | |
|----------------|---------------|---------------------|------------------------------|-----------------------------------|------------------------------|-----------------------|-------------|-------------|
| | | | | | | W | H | L |
| CST-301 | 1 | 6sol., 6str., 4sol. | .162-.204 (4.1 - 5.2) | 8sol., 8str., 6sol., 6str., 4sol. | .128-.204 (3.3 - 5.2) | .469 (11.9) | .734 (18.6) | .812 (20.6) |
| CST-302 | 1 | 4sol., 4str., 2sol. | .204-.258 (5.2 - 6.6) | 6sol., 6str., 4sol., 4str., 2sol. | .162-.258 (4.1 - 6.6) | .547 (13.9) | .823 (20.9) | .812 (20.6) |

DOUBLE TAB

| Catalog Number | Figure Number | Side A Main | Wire Diameter Range in. (mm) | Side B Tap | Wire Diameter Range in. (mm) | Dimensions - in. (mm) | | |
|----------------|---------------|-----------------------|------------------------------|----------------------------|------------------------------|-----------------------|--------------|--------------|
| | | | | | | W | H | L |
| CDT-399-8 | 2 | 6sol., 6str., 4sol. | .162-.204 (4.1 - 5.2) | 8sol., 6str., 4sol. | .128-.204 (3.3 - 5.2) | .484 (12.3) | .750 (19.1) | .812 (20.6) |
| CDT-398-8 | 2 | 4sol., 4str., 2sol. | .204-.258 (5.2 - 6.6) | 4sol., 4str., 2sol. | .204-.258 (5.2 - 6.6) | .547 (13.9) | .797 (20.2) | .812 (20.6) |
| CDT-304-8 | 2 | 2str., 1str., 1/0str. | .292-.375 (7.4 - 9.5) | 6sol., 4sol., 4str., 2sol. | .162-.258 (4.1 - 6.6) | .641 (16.3) | 1.120 (28.4) | .859 (21.8) |
| CDT-303-8 | 2 | 2str., 1str., 1/0str. | .292-.375 (7.4 - 9.5) | 2str., 1str., 1/0str. | .292-.375 (7.4 - 9.5) | .719 (18.3) | 1.120 (28.4) | .828 (21.0) |
| CDT-308-8 | 2 | 2/0str., 4/0str. | .419-.528 (10.6 - 13.4) | 2str., 1str., 1/0str. | .292-.375 (7.4 - 9.5) | .906 (23.0) | 1.406 (35.7) | 1.062 (27.0) |
| CDT-307-8 | 2 | 2/0str., 4/0str. | .419-.528 (10.6 - 13.4) | 2/0str., 4/0str. | .419-.528 (10.6 - 13.4) | .906 (23.0) | 1.375 (34.9) | 1.062 (27.0) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Tooling Information

| Catalog Number | Burndy | | Kearney | |
|----------------|--|--------------------------|--------------------------------|--------------------------|
| | Y35, Y35-2, BAT35, BAT35C, Y35BH, Y35BH-4, Y35L, Y39, Y38BH, Y750, Y750-2, BAT750, BAT750C, Y750BH, Y46, YA46C Die (No. of Crimps) | MD-6 Die (No. of Crimps) | WH-1, WH-2 Die (No. of Crimps) | O-52 Die (No. of Crimps) |
| CST-301 | U-BG (1); U-243 (1) | W-BG (1) | B-K-T (1) | T (1) |
| CST-302 | U-BG (1); U-243 (1) | W-KK (1) | B-K-T (1) | K (1) |
| CDT-399-8 | U-BG (1); U-243 (1) | W-BG (1) | B-K-T (1) | T (1) |
| CDT-398-8 | U-BG (1); U-243 (1) | W-KK (1) | B-K-T (1) | K (1) |
| CDT-304-8 | U-O (1) | - | O (1) | - |
| CDT-303-8 | U-O (1) | - | O (1) | - |
| CDT-308-8 | U-D3 (1) | - | D (1) | - |
| CDT-307-8 | U-D3 (1) | - | D (1) | - |

A

TYPE TWCT

Features

- Manufactured from high conductivity copper
- Marked with wire size, die index and part number
- Range taking
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL and CUL Listed for grounding, bonding and power
- Bright dip finish

Benefits

- Provides maximum conductivity and low contact resistance
- Clear and easy identification
- Reduces stocking inventory
- Application versatility
- Direct burial in earth or concrete
- Resist corrosion and oxidization

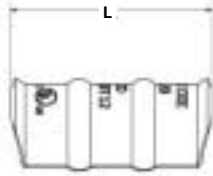
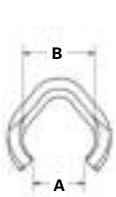


Fig. 1



Fig. 2



Fig. 3

| Catalog Number | Figure Number | Accommodates | | Dimensions - in. (mm) | | | Die Color Code |
|----------------|---------------|-----------------|---------------|-----------------------|--------------|--------------|----------------|
| | | Run | Tap | A | B | L | |
| TWCTR10T16 | 1 | 14 | 16-14 | 0.130 (3.3) | 0.190 (4.8) | 0.420 (10.7) | Red |
| | | 12 | 16-14 | | | | |
| | | 10 | 14 | | | | |
| TWCTR8T12 | 1 | 10 | 10 | 0.155 (3.9) | 0.250 (6.4) | 0.620 (15.7) | Blue |
| | | 8 | 12 | | | | |
| TWCTR6T12 | 1 | 8 | 10-8 | 0.235 (6.0) | 0.325 (8.3) | 0.620 (15.7) | Gray |
| | | 6 | 12-10 | | | | |
| TWCTR4T12 | 2 | 6 | 8-6 | 0.235 (6.0) | 0.405 (10.3) | 1.210 (30.7) | Brown |
| | | 5,4 | 12-8 | | | | |
| TWCTR3T12 | 2 | 5,4 | 6-5 | 0.260 (6.6) | 0.487 (12.4) | 1.206 (30.6) | Green |
| | | 3 | 12-6 | | | | |
| TWCTR2T12 | 2 | 4 | 4 | 0.297 (7.5) | 0.515 (13.1) | 1.210 (30.7) | Pink |
| | | 3 | 5 | | | | |
| | | 2 | 12-6 | | | | |
| TWCTR1T12 | 3 | 3 | 4-3 | 0.339 (8.6) | 0.568 (14.4) | 1.750 (44.5) | Black |
| | | 2 | 5-4 | | | | |
| | | 1 | 12-5 | | | | |
| TWCTR1/0T12 | 3 | 2str. 2sol. | 2str. 2sol. | 0.375 (9.5) | 0.645 (16.4) | 1.750 (44.5) | Orange |
| | | 3sol. | 3str. 3sol. | | | | |
| | | 1str. 1sol. | 4str. 4sol. | | | | |
| | | 3str. 3sol. | 3str. 3sol. | | | | |
| TWCTR2/0T12 | 3 | 1/0str. 1/0sol. | 12str. 12sol. | 0.420 (10.7) | 0.755 (19.2) | 1.750 (44.5) | Purple |
| | | 4str. 4sol. | 4str. 4sol. | | | | |
| | | 1 | 2-1 | | | | |
| | | 1/0 | 3-2 | | | | |
| TWCTR3/0T12 | 3 | 2/0 | 12-3 | 0.470 (11.9) | 0.830 (21.1) | 1.750 (44.5) | Yellow |
| | | 1/0 | 1-1/0 | | | | |
| | | 2/0 | 2-1 | | | | |
| | | 3/0 | 12-2 | | | | |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Tested to UL 486A/B, UL File E6207

Tested to UL 467, UL File E6207

Tin plated versions can be made available. Contact Customer Care for price and availability

TYPE TWCT

Features

- Manufactured from high conductivity copper
- Marked with wire size, die index and part number
- Range taking
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL and CUL Listed for grounding, bonding and power
- Bright dip finish

Benefits

- Provides maximum conductivity and low contact resistance
- Clear and easy identification
- Reduces stocking inventory
- Application versatility
- Direct burial in earth or concrete
- Resist corrosion and oxidization

A

| Catalog Number | Die Color Code | Wire Strip Length in. | ILSCO Tools | Installation Tooling - Burndy | | | | Thomas & Betts | | Panduit | |
|----------------|----------------|-----------------------|--------------------------------------|---|--|--|--|---|---|--|---|
| | | | Mechanical | Mechanical | Hydraulic | | Mechanical Tools | | Hand | Hydraulic | |
| | | | ILC-10N Die Color Code (# crimps) | Y1MR, Y1MR-TC Die Color Code Index# (# crimps) | Y500CT series, PAT600 series, PATMD6 series Die No. Index# (# crimps) | Y500CT series, PAT600 series, PATMD6 series Die No. Index# (# crimps) | Y35 series, Y39 series, Y750 series, Y45, Y46 Die No. Index# (# crimps) | TBM25S, TBM45S, TBM21E, TBM41E Die Color Code (# crimps) | TBM5/5S, TBM6/6S, TBM8/8S Die Color Code Index# (# crimps) | CT-1700 Die Color Code/ Index# (# crimps) | CT-2001, CT-2002 Die No. Die Color Code/ Index# (# crimps) |
| TWCTR10T16 | Red | 1/2 | - | - | W8CVT 49 (1) | - | - | - | Red Nest 21 (1) | - | CD-2001-8 Red P21 (1) |
| TWCTR8T12 | Blue | 3/4 | Blue (1) | Blue 7 (1) | W5CVT 7 (1) | - | - | Blue Nest (1) | Blue Nest 24 (1) | Blue P24 (1) | CD-2001-6 Blue P24 (1) |
| TWCTR6T12 | Gray | 3/4 | Gray (2) | Gray 8 (2) | W4CVT 8 (1) | - | - | Gray Nest (2) | Gray Nest 29 (2) | Gray P29 (2) | CD-2001-4 Gray P29 (1) |
| TWCTR4T12 | Brown | 1-3/8 | - | - | W2CVT 10 (2) | WC4 10M (1) | UC4 10M (1) | - | Brown Nest 33 (2) | Brown P33 (2) | CD-2001-2 Brown P33 (2) |
| TWCTR3T12 | Green | 1-3/8 | - | - | W1CVT 11 (2) | - | - | - | Green Nest 37 (2) | - | CD-2001-1 Green P37 (2) |
| TWCTR2T12 | Pink | 1-3/8 | - | - | W25VT 12 (2) | WC2 12M (1) | UC2 12M (1) | - | Pink Nest 42 (2) | - | CD-2001-1/0 Pink P42 (2) |
| TWCTR1T12 | Black | 1-7/8 | - | - | W26VT 13 (3) | WC1 13M (2) | UC1 13M (1) | - | Black Nest 45 (3) | - | CD-2001-2/0 Black P45 (3) |
| TWCTR1/0T12 | Orange | 1-7/8 | - | - | W27VT 14 (3) | WC25 14M (2) | UC25 14M (1) | - | Orange Nest 50 (3) | - | CD-2001-3/0 Orange P50 (3) |
| TWCTR2/0T12 | Purple | 1-7/8 | - | - | W28VT 15 (3) | - | UC26 (1) | - | Purple Nest 54 (3) | - | CD-2001-4/0 Purple P54 (3) |
| TWCTR3/0T12 | Yellow | 1-7/8 | - | - | W29VT 16 (3) | - | - | - | - | - | CD-2001-250 Yellow P62 (3) |

SureCrimp® Aluminum Compression Lugs

Long Barrel - Standard Tang - Dual Rated, Conductor Range: 4/0 - #8

A

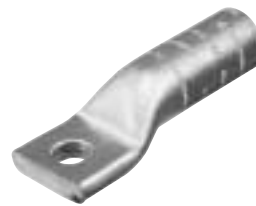
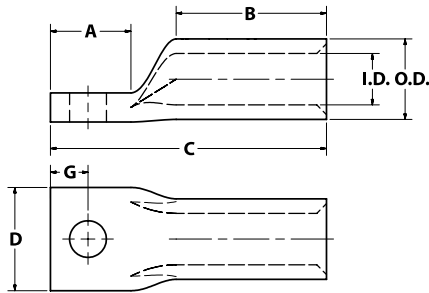
TYPE ALNS

Features

- Manufactured from high strength aluminum alloy
- Electro-Tin plated
- Chamfered entry
- Color coded end cap
- Roll marked
- Pre-filled with DE-OX® oxide inhibiting compound
- Range taking
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Dual rated AL9CU to 90°C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper conductor size
- For easy identification and proper location of crimps
- Prevents oxides from forming & promotes connector longevity
- Permits inventories to be kept to a minimum
- Application versatility
- For use with aluminum or copper conductor



| Catalog Number | Wire Size | Expanded Wire Range* | Bolt Size | Stud Hole Dia. | Dimensions - in (mm) | | | | | | Die Color Code | Die Index | |
|----------------|-----------|----------------------|-----------|----------------|----------------------|--------------|---------------|--------------|--------------|--------------|----------------|-----------|------|
| | | | | | A | B | C | D | G | O.D. | | | I.D. |
| ALNS-8-10 | #8 AWG | - | #10 | 0.219 (5.6) | 0.661 (16.8) | 0.602 (15.3) | 1.470 (37.3) | 0.388 (9.9) | 0.259 (6.6) | 0.300 (7.6) | 0.155 (3.9) | Blue | 374 |
| ALNS-6-14 | #6 AWG | - | 1/4 | 0.281 (7.1) | 0.895 (22.7) | 0.602 (15.3) | 1.860 (47.2) | 0.449 (11.4) | 0.321 (8.1) | 0.338 (8.6) | 0.194 (4.9) | Gray | 346 |
| ALNS-4-14 | #4 AWG | 4-6 AWG | 1/4 | 0.281 (7.1) | 1.029 (26.1) | 0.920 (23.4) | 2.170 (55.1) | 0.568 (14.4) | 0.321 (8.1) | 0.427 (10.8) | 0.247 (6.3) | Green | 375 |
| ALNS-4-516 | #4 AWG | 4-6 AWG | 5/16 | 0.343 (8.7) | 0.937 (23.8) | 0.920 (23.4) | 2.170 (55.1) | 0.568 (14.4) | 0.353 (9.0) | 0.427 (10.8) | 0.247 (6.3) | Green | 375 |
| ALNS-2-14 | #2 AWG | 2-6 AWG | 1/4 | 0.281 (7.1) | 0.990 (25.1) | 0.970 (24.6) | 2.240 (56.9) | 0.700 (17.8) | 0.321 (8.1) | 0.525 (13.3) | 0.307 (7.8) | Pink | 348 |
| ALNS-2-516 | #2 AWG | 2-6 AWG | 5/16 | 0.343 (8.7) | 1.058 (26.9) | 0.970 (24.6) | 2.240 (56.9) | 0.700 (17.8) | 0.442 (11.2) | 0.525 (13.3) | 0.307 (7.8) | Pink | 348 |
| ALNS-2-38 | #2 AWG | 2-6 AWG | 3/8 | 0.406 (10.3) | 0.940 (23.9) | 0.970 (24.6) | 2.240 (56.9) | 0.700 (17.8) | 0.414 (10.5) | 0.525 (13.3) | 0.307 (7.8) | Pink | 348 |
| ALNS-1-14 | #1 AWG | 1-2 AWG | 1/4 | 0.281 (7.1) | 0.996 (25.3) | 0.970 (24.6) | 2.290 (58.2) | 0.748 (19.0) | 0.321 (8.1) | 0.544 (13.8) | 0.358 (9.1) | Gold | 471 |
| ALNS-1-516 | #1 AWG | 1-2 AWG | 5/16 | 0.343 (8.7) | 0.937 (23.8) | 0.970 (24.6) | 2.175 (55.2) | 0.748 (19.0) | 0.353 (9.0) | 0.544 (13.8) | 0.358 (9.1) | Gold | 471 |
| ALNS-1-38 | #1 AWG | 1-2 AWG | 3/8 | 0.406 (10.3) | 0.939 (23.9) | 0.970 (24.6) | 2.290 (58.2) | 0.748 (19.0) | 0.414 (10.5) | 0.544 (13.8) | 0.358 (9.1) | Gold | 471 |
| ALNS-1/0-516 | 1/0 AWG | 1/0-1 AWG | 5/16 | 0.343 (8.7) | 0.937 (23.8) | 1.070 (27.2) | 2.301 (58.4) | 0.819 (20.8) | 0.353 (9.0) | 0.599 (15.2) | 0.385 (9.8) | Tan | 296 |
| ALNS-1/0-38 | 1/0 AWG | 1/0-1 AWG | 3/8 | 0.406 (10.3) | 0.937 (23.8) | 1.070 (27.2) | 2.460 (62.5) | 0.819 (20.8) | 0.414 (10.5) | 0.599 (15.2) | 0.385 (9.8) | Tan | 296 |
| ALNS-1/0-12 | 1/0 AWG | 1/0-1 AWG | 1/2 | 0.562 (14.3) | 1.292 (32.8) | 1.070 (27.2) | 2.820 (71.6) | 0.819 (20.8) | 0.546 (13.9) | 0.599 (15.2) | 0.385 (9.8) | Tan | 296 |
| ALNS-2/0-38 | 2/0 AWG | 2/0-1 AWG | 3/8 | 0.406 (10.3) | 0.925 (23.5) | 1.355 (34.4) | 2.910 (73.9) | 0.921 (23.4) | 0.414 (10.5) | 0.674 (17.1) | 0.432 (11.0) | Olive | 297 |
| ALNS-2/0-12 | 2/0 AWG | 2/0-1 AWG | 1/2 | 0.562 (14.3) | 1.283 (32.6) | 1.355 (34.4) | 3.285 (83.4) | 0.921 (23.4) | 0.546 (13.9) | 0.674 (17.1) | 0.432 (11.0) | Olive | 297 |
| ALNS-3/0-38 | 3/0 AWG | 3/0-1 AWG | 3/8 | 0.406 (10.3) | 0.900 (22.9) | 1.355 (34.4) | 2.950 (74.9) | 1.044 (26.5) | 0.414 (10.5) | 0.761 (19.3) | 0.495 (12.6) | Ruby | 467 |
| ALNS-3/0-12 | 3/0 AWG | 3/0-1 AWG | 1/2 | 0.562 (14.3) | 1.280 (32.5) | 1.355 (34.4) | 3.310 (84.1) | 1.044 (26.5) | 0.546 (13.9) | 0.761 (19.3) | 0.495 (12.6) | Ruby | 467 |
| ALNS-4/0-38 | 4/0 AWG | 4/0-1 AWG | 3/8 | 0.406 (10.3) | 0.935 (23.7) | 1.535 (39.0) | 3.090 (78.5) | 1.170 (29.7) | 0.414 (10.5) | 0.854 (21.7) | 0.553 (14.0) | White | 298 |
| ALNS-4/0-12 | 4/0 AWG | 4/0-1 AWG | 1/2 | 0.562 (14.3) | 1.145 (29.1) | 1.535 (39.0) | 4.177 (106.1) | 1.170 (29.7) | 0.546 (13.9) | 0.854 (21.7) | 0.553 (14.0) | White | 298 |

For Tool and Die Information Refer to Tooling Information Page Series: ALNS, ALND, ALNN, ASN

* When installed with specified dieless tools

Tested to UL 486A/B, UL File E6207

SureCrimp® Aluminum Compression Lugs

Long Barrel - Standard Tang - Dual Rated, Conductor Range: 1000kcmil - 250kcmil

TYPE ALNS

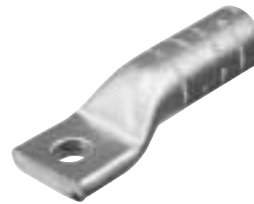
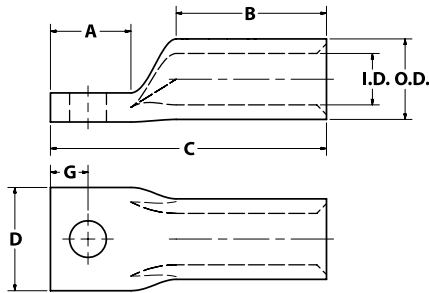
Features

- Manufactured from high strength aluminum alloy
- Electro-Tin plated
- Chamfered entry
- Color coded end cap
- Roll marked
- Pre-filled with DE-OX® oxide inhibiting compound
- Range taking
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Dual rated AL9CU to 90°C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper conductor size
- For easy identification and proper location of crimps
- Prevents oxides from forming & promotes connector longevity
- Permits inventories to be kept to a minimum
- Application versatility
- For use with aluminum or copper conductor

A



| Catalog Number | Wire Size | Expanded Wire Range* | Bolt Size | Stud Hole Dia. | Dimensions - in (mm) | | | | | | Die Color Code | Die Index | |
|-----------------|--------------|---|-----------|----------------|----------------------|--------------|---------------|--------------|--------------|--------------|----------------|-----------|------|
| | | | | | A | B | C | D | G | O.D. | | | I.D. |
| ALNS-250-38 | 250kcmil | 250kcmil-1/0 AWG | 3/8 | 0.406 (10.3) | 0.875 (22.2) | 1.535 (39.0) | 3.200 (81.3) | 1.264 (32.1) | 0.414 (10.5) | 0.924 (23.5) | 0.595 (15.1) | Red | 324 |
| ALNS-250-12 | 250kcmil | 250kcmil-1/0 AWG | 1/2 | 0.562 (14.3) | 0.875 (22.2) | 1.535 (39.0) | 3.316 (84.2) | 1.264 (32.1) | 0.546 (13.9) | 0.924 (23.5) | 0.595 (15.1) | Red | 324 |
| ALNS-300-38 | 300kcmil | 300kcmil-2/0 AWG | 3/8 | 0.406 (10.3) | 0.905 (23.0) | 1.535 (39.0) | 3.296 (83.7) | 1.381 (35.1) | 0.414 (10.5) | 1.010 (25.7) | 0.650 (16.5) | Blue | 470 |
| ALNS-300-12 | 300kcmil | 300kcmil-2/0 AWG | 1/2 | 0.562 (14.3) | 1.295 (32.9) | 1.535 (39.0) | 3.690 (93.7) | 1.381 (35.1) | 0.546 (13.9) | 1.010 (25.7) | 0.650 (16.5) | Blue | 470 |
| ALNS-350-12 | 350kcmil | 350kcmil-3/0 AWG | 1/2 | 0.562 (14.3) | 1.280 (32.5) | 2.353 (59.8) | 4.310 (109.5) | 1.516 (38.5) | 0.546 (13.9) | 1.105 (28.1) | 0.720 (18.3) | Brown | 299 |
| ALNS-400-12 | 400kcmil | 400kcmil-4/0 AWG | 1/2 | 0.562 (14.3) | 1.302 (33.1) | 2.303 (58.5) | 4.250 (108.0) | 1.623 (41.2) | 0.546 (13.9) | 1.188 (30.2) | 0.762 (19.4) | Green | 472 |
| ALNS-400-58 | 400kcmil | 400kcmil-4/0 AWG | 5/8 | 0.656 (16.7) | 1.485 (37.7) | 2.303 (58.5) | 4.420 (112.3) | 1.623 (41.2) | 0.671 (17.0) | 1.188 (30.2) | 0.762 (19.4) | Green | 472 |
| ALNS-500-12 | 500kcmil | 500kcmil-4/0 AWG | 1/2 | 0.562 (14.3) | 1.303 (33.1) | 2.565 (65.2) | 4.745 (120.5) | 1.802 (45.8) | 0.546 (13.9) | 1.315 (33.4) | 0.854 (21.7) | Pink | 300 |
| ALNS-500-58 | 500kcmil | 500kcmil-4/0 AWG | 5/8 | 0.656 (16.7) | 1.500 (38.1) | 2.565 (65.2) | 4.930 (125.2) | 1.802 (45.8) | 0.671 (17.0) | 1.315 (33.4) | 0.854 (21.7) | Pink | 300 |
| ALNS-600-12 | 600kcmil | 600kcmil-250kcmil | 1/2 | 0.562 (14.3) | 1.372 (34.8) | 2.685 (68.2) | 5.250 (133.4) | 1.965 (49.9) | 0.671 (17.0) | 1.440 (36.6) | 0.920 (23.4) | Black | 473 |
| ALNS-600-58 | 600kcmil | 600kcmil-250kcmil | 5/8 | 0.656 (16.7) | 1.528 (38.8) | 2.685 (68.2) | 5.350 (135.9) | 1.965 (49.9) | 0.671 (17.0) | 1.440 (36.6) | 0.920 (23.4) | Black | 473 |
| ALNS-700/750-12 | 700/750kcmil | 750kcmil-500kcmil, 900kcmil compact Al** | 1/2 | 0.562 (14.3) | 1.380 (35.1) | 2.964 (75.3) | 5.492 (139.5) | 2.048 (52.0) | 0.546 (13.9) | 1.460 (37.1) | 1.030 (26.2) | Yellow | 936 |
| ALNS-700/750-58 | 700/750kcmil | 750kcmil-500kcmil, 900kcmil compact Al** | 5/8 | 0.656 (16.7) | 1.421 (36.1) | 2.964 (75.3) | 5.505 (139.8) | 2.048 (52.0) | 0.671 (17.0) | 1.460 (37.1) | 1.030 (26.2) | Yellow | 936 |
| ALNS-1000-12 | 1000kcmil | 1000kcmil-750kcmil | 1/2 | 0.562 (14.3) | 1.461 (37.1) | 2.996 (76.1) | 6.100 (154.9) | 2.514 (63.9) | 0.811 (20.6) | 1.840 (46.7) | 1.180 (30.0) | Brown | P302 |
| ALNS-1000-58 | 1000kcmil | 1000kcmil-750kcmil | 5/8 | 0.656 (16.7) | 1.800 (45.7) | 2.996 (76.1) | 6.350 (161.3) | 2.514 (63.9) | 0.671 (17.0) | 1.840 (46.7) | 1.180 (30.0) | Brown | P302 |

For Tool and Die Information Refer to Tooling Information Page Series: ALNS, ALND, ALNN, ASN

* When installed with specified dieless tools

** UL Listed 900kcmil compact Al

Tested to UL 486A/B, UL File E6207

SureCrimp® Aluminum Compression Lugs

Long Barrel - Standard Tang - Dual Rated

Conductor Range: 4/0 - #8



A

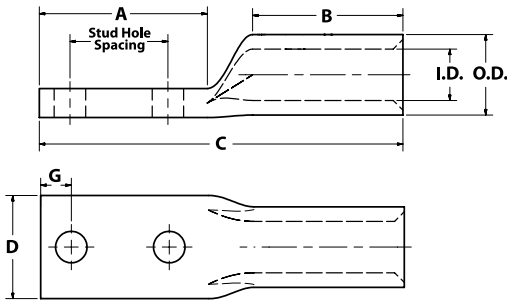
TYPE ALND

Features

- Manufactured from high strength aluminum alloy
- Electro-Tin plated
- Chamfered entry
- Color coded end cap
- Roll marked
- Two bolt hole pattern
- Pre-filled with DE-OX® oxide inhibiting compound
- Range taking
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Dual rated AL9CU to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- For easy identification and proper location of crimps
- Provides maximum surface contact, secure attachment, and stabilization
- Prevents oxides from forming & promotes connector longevity
- Permits inventories to be kept to a minimum
- Application versatility
- For use with aluminum or copper conductor



| Catalog Number | Wire Size | Expanded Wire Range* | Bolt Size | Stud Hole Dia. | Stud Hole Spacing | Dimensions - in (mm) | | | | | | | Die Color Code | Die Index |
|-----------------|-----------|----------------------|-----------|----------------|-------------------|----------------------|--------------|---------------|--------------|--------------|--------------|--------------|----------------|-----------|
| | | | | | | A | B | C | D | G | O.D. | I.D. | | |
| ALND-8-10-1 | #8 AWG | - | #10 | 0.219 (5.6) | 1.000 (25.4) | 1.750 (44.5) | 0.602 (15.3) | 2.560 (65.0) | 0.388 (9.9) | 0.259 (6.6) | 0.300 (7.6) | 0.155 (3.9) | Blue | 374 |
| ALND-6-14-1 | #6 AWG | - | 1/4 | 0.281 (7.1) | 1.000 (25.4) | 1.687 (42.9) | 0.602 (15.3) | 2.650 (67.3) | 0.449 (11.4) | 0.321 (8.2) | 0.338 (8.6) | 0.194 (4.9) | Gray | 346 |
| ALND-4-14-1 | #4 AWG | 4-6 AWG | 1/4 | 0.281 (7.1) | 1.000 (25.4) | 1.636 (41.6) | 0.920 (23.4) | 2.930 (74.4) | 0.568 (14.4) | 0.321 (8.2) | 0.427 (10.8) | 0.247 (6.3) | Green | 375 |
| ALND-2-14-1 | #2 AWG | 2-6 AWG | 1/4 | 0.281 (7.1) | 1.000 (25.4) | 1.635 (41.5) | 0.970 (24.6) | 3.035 (77.1) | 0.700 (17.8) | 0.321 (8.2) | 0.525 (13.3) | 0.307 (7.8) | Pink | 348 |
| ALND-2-38-1 | #2 AWG | 2-6 AWG | 3/8 | 0.406 (10.3) | 1.000 (25.4) | 1.994 (50.6) | 0.970 (24.6) | 3.290 (83.6) | 0.700 (17.8) | 0.414 (10.5) | 0.525 (13.3) | 0.307 (7.8) | Pink | 348 |
| ALND-2-38-134 | #2 AWG | 2-6 AWG | 3/8 | 0.406 (10.3) | 1.750 (44.5) | 2.676 (68.0) | 0.970 (24.6) | 3.985 (101.2) | 0.700 (17.8) | 0.414 (10.5) | 0.525 (13.3) | 0.307 (7.8) | Pink | 348 |
| ALND-1-14-1 | #1 AWG | 1-2 AWG | 1/4 | 0.281 (7.1) | 1.000 (25.4) | 1.633 (41.5) | 0.970 (24.6) | 3.086 (78.4) | 0.748 (18.9) | 0.321 (8.2) | 0.544 (13.8) | 0.358 (9.1) | Gold | 471 |
| ALND-1-38-1 | #1 AWG | 1-2 AWG | 3/8 | 0.406 (10.3) | 1.000 (25.4) | 1.992 (50.6) | 0.970 (24.6) | 3.345 (85.0) | 0.748 (18.9) | 0.414 (10.5) | 0.544 (13.8) | 0.358 (9.1) | Gold | 471 |
| ALND-1-38-134 | #1 AWG | 1-2 AWG | 3/8 | 0.406 (10.3) | 1.750 (44.5) | 2.694 (68.43) | 0.970 (24.6) | 4.035 (102.5) | 0.748 (18.9) | 0.414 (10.5) | 0.544 (13.8) | 0.358 (9.1) | Gold | 471 |
| ALND-1/0-14-1 | 1/0 AWG | 1/0-1 AWG | 1/4 | 0.281 (7.1) | 1.000 (25.4) | 1.586 (40.3) | 1.070 (27.2) | 3.230 (82.0) | 0.819 (20.8) | 0.321 (8.2) | 0.599 (15.2) | 0.385 (9.8) | Tan | 296 |
| ALND-1/0-38-1 | 1/0 AWG | 1/0-1 AWG | 3/8 | 0.406 (10.3) | 1.000 (25.4) | 1.987 (50.5) | 1.070 (27.2) | 3.500 (88.9) | 0.819 (20.8) | 0.414 (10.5) | 0.599 (15.2) | 0.385 (9.8) | Tan | 296 |
| ALND-1/0-38-134 | 1/0 AWG | 1/0-1 AWG | 3/8 | 0.406 (10.3) | 1.750 (44.5) | 2.646 (67.2) | 1.070 (27.2) | 4.185 (106.3) | 0.819 (20.8) | 0.414 (10.5) | 0.599 (15.2) | 0.385 (9.8) | Tan | 296 |
| ALND-1/0-12-1 | 1/0 AWG | 1/0-1 AWG | 1/2 | 0.562 (14.3) | 1.000 (25.4) | 2.181 (55.4) | 1.070 (27.2) | 3.700 (94.0) | 0.819 (20.8) | 0.546 (13.9) | 0.599 (15.2) | 0.385 (9.8) | Tan | 296 |
| ALND-1/0-12-134 | 1/0 AWG | 1/0-1 AWG | 1/2 | 0.562 (14.3) | 1.750 (44.5) | 3.031 (77.0) | 1.070 (27.2) | 4.560 (115.8) | 0.819 (20.8) | 0.546 (13.9) | 0.599 (15.2) | 0.385 (9.8) | Tan | 296 |
| ALND-2/0-38-1 | 2/0 AWG | 2/0-1 AWG | 3/8 | 0.406 (10.3) | 1.000 (25.4) | 1.975 (50.2) | 1.355 (34.4) | 3.940 (100.1) | 0.921 (23.4) | 0.414 (10.5) | 0.674 (17.1) | 0.432 (11.0) | Olive | 297 |
| ALND-2/0-38-134 | 2/0 AWG | 2/0-1 AWG | 3/8 | 0.406 (10.3) | 1.750 (44.5) | 2.660 (67.6) | 1.355 (34.4) | 4.633 (117.7) | 0.921 (23.4) | 0.414 (10.5) | 0.674 (17.1) | 0.432 (11.0) | Olive | 297 |
| ALND-2/0-12-1 | 2/0 AWG | 2/0-1 AWG | 1/2 | 0.562 (14.3) | 1.000 (25.4) | 2.166 (55.0) | 1.355 (34.4) | 4.137 (105.1) | 0.921 (23.4) | 0.546 (13.9) | 0.674 (17.1) | 0.432 (11.0) | Olive | 297 |
| ALND-2/0-12-134 | 2/0 AWG | 2/0-1 AWG | 1/2 | 0.562 (14.3) | 1.750 (44.5) | 3.035 (77.1) | 1.355 (34.4) | 5.025 (127.6) | 0.921 (23.4) | 0.546 (13.9) | 0.674 (17.1) | 0.432 (11.0) | Olive | 297 |
| ALND-3/0-38-1 | 3/0 AWG | 3/0-1 AWG | 3/8 | 0.406 (10.3) | 1.000 (25.4) | 1.981 (50.3) | 1.355 (34.4) | 4.020 (102.1) | 1.044 (26.5) | 0.414 (10.5) | 0.761 (19.3) | 0.495 (12.6) | Ruby | 467 |
| ALND-3/0-38-134 | 3/0 AWG | 3/0-1 AWG | 3/8 | 0.406 (10.3) | 1.750 (44.5) | 2.671 (67.8) | 1.355 (34.4) | 4.695 (119.3) | 1.044 (26.5) | 0.414 (10.5) | 0.761 (19.3) | 0.495 (12.6) | Ruby | 467 |
| ALND-3/0-12-1 | 3/0 AWG | 3/0-1 AWG | 1/2 | 0.562 (14.3) | 1.000 (25.4) | 2.190 (55.6) | 1.355 (34.4) | 4.200 (106.7) | 1.044 (26.5) | 0.546 (13.9) | 0.761 (19.3) | 0.495 (12.6) | Ruby | 467 |
| ALND-3/0-12-134 | 3/0 AWG | 3/0-1 AWG | 1/2 | 0.562 (14.3) | 1.750 (44.5) | 3.032 (77.0) | 1.355 (34.4) | 5.260 (133.6) | 1.044 (26.5) | 0.546 (13.9) | 0.761 (19.3) | 0.495 (12.6) | Ruby | 467 |
| ALND-4/0-38-1 | 4/0 AWG | 4/0-1 AWG | 3/8 | 0.406 (10.3) | 1.000 (25.4) | 2.005 (50.9) | 1.535 (39.0) | 4.120 (104.7) | 1.170 (29.7) | 0.414 (10.5) | 0.854 (21.7) | 0.553 (14.0) | White | 298 |
| ALND-4/0-38-134 | 4/0 AWG | 4/0-1 AWG | 3/8 | 0.406 (10.3) | 1.750 (44.5) | 2.668 (67.8) | 1.535 (39.0) | 4.800 (121.9) | 1.170 (29.7) | 0.414 (10.5) | 0.854 (21.7) | 0.553 (14.0) | White | 298 |
| ALND-4/0-12-1 | 4/0 AWG | 4/0-1 AWG | 1/2 | 0.562 (14.3) | 1.000 (25.4) | 2.177 (55.3) | 1.535 (39.0) | 4.300 (109.2) | 1.170 (29.7) | 0.546 (13.9) | 0.854 (21.7) | 0.553 (14.0) | White | 298 |
| ALND-4/0-12-134 | 4/0 AWG | 4/0-1 AWG | 1/2 | 0.562 (14.3) | 1.750 (44.5) | 3.044 (77.3) | 1.535 (39.0) | 5.195 (132.0) | 1.170 (29.7) | 0.546 (13.9) | 0.854 (21.7) | 0.553 (14.0) | White | 298 |

For Tool and Die Information Refer to Tooling Information Page Series: ALNS, ALND, ALNN, ASN

* When installed with specified dieless tools

Tested to UL 486A/B, UL File E6207

TYPE ALND

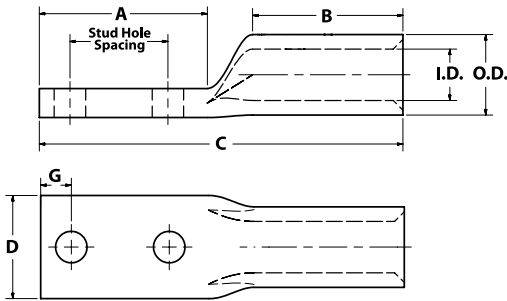
Features

- Manufactured from high strength aluminum alloy
- Electro-Tin plated
- Chamfered entry
- Color coded end cap
- Roll marked
- Two bolt hole pattern
- Pre-filled with DE-OX® oxide inhibiting compound
- Range taking
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Dual rated AL9CU to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- For easy identification and proper location of crimps
- Provides maximum surface contact, secure attachment, and stabilization
- Prevents oxides from forming & promotes connector longevity
- Permits inventories to be kept to a minimum
- Application versatility
- For use with aluminum or copper conductor

A



| Catalog Number | Wire Size | Expanded Wire Range* | Bolt Size | Stud Hole Dia. | Stud Hole Spacing | Dimensions - in (mm) | | | | | | | Die Color Code | Die Index |
|-----------------|-----------|----------------------|-----------|----------------|-------------------|----------------------|--------------|----------------|--------------|--------------|--------------|--------------|----------------|-----------|
| | | | | | | A | B | C | D | G | O.D. | I.D. | | |
| ALND-250-38-1 | 250kcmil | 250kcmil-1/0 AWG | 3/8 | 0.406 (10.3) | 1.000 (25.4) | 2.000 (50.8) | 1.535 (39.0) | 4.324 (109.8) | 1.264 (32.1) | 0.414 (10.5) | 0.924 (23.5) | 0.595 (15.1) | Red | 324 |
| ALND-250-38-134 | 250kcmil | 250kcmil-1/0 AWG | 3/8 | 0.406 (10.3) | 1.750 (44.5) | 2.600 (66.0) | 1.535 (39.0) | 5.000 (127.0) | 1.264 (32.1) | 0.414 (10.5) | 0.924 (23.5) | 0.595 (15.1) | Red | 324 |
| ALND-250-12-1 | 250kcmil | 250kcmil-1/0 AWG | 1/2 | 0.562 (14.3) | 1.000 (25.4) | 2.190 (55.6) | 1.535 (39.0) | 4.500 (114.3) | 1.264 (32.1) | 0.546 (13.9) | 0.924 (23.5) | 0.595 (15.1) | Red | 324 |
| ALND-250-12-134 | 250kcmil | 250kcmil-1/0 AWG | 1/2 | 0.562 (14.3) | 1.750 (44.5) | 3.042 (77.3) | 1.535 (39.0) | 5.557 (141.1) | 1.264 (32.1) | 0.546 (13.9) | 0.924 (23.5) | 0.595 (15.1) | Red | 324 |
| ALND-300-38-1 | 300kcmil | 300kcmil-2/0 AWG | 3/8 | 0.406 (10.3) | 1.000 (25.4) | 1.970 (50.0) | 1.535 (39.0) | 4.345 (110.4) | 1.381 (35.1) | 0.414 (10.5) | 1.010 (25.7) | 0.650 (16.5) | Blue | 470 |
| ALND-300-38-134 | 300kcmil | 300kcmil-2/0 AWG | 3/8 | 0.406 (10.3) | 1.750 (44.5) | 2.643 (67.1) | 1.535 (39.0) | 5.023 (127.6) | 1.381 (35.1) | 0.414 (10.5) | 1.010 (25.7) | 0.650 (16.5) | Blue | 470 |
| ALND-300-12-1 | 300kcmil | 300kcmil-2/0 AWG | 1/2 | 0.562 (14.3) | 1.000 (25.4) | 2.143 (54.4) | 1.535 (39.0) | 4.519 (114.8) | 1.381 (35.1) | 0.546 (13.9) | 1.010 (25.7) | 0.650 (16.5) | Blue | 470 |
| ALND-300-12-134 | 300kcmil | 300kcmil-2/0 AWG | 1/2 | 0.562 (14.3) | 1.750 (44.5) | 3.000 (76.2) | 1.535 (39.0) | 5.122 (130.1) | 1.381 (35.1) | 0.546 (13.9) | 1.010 (25.7) | 0.650 (16.5) | Blue | 470 |
| ALND-350-38-1 | 350kcmil | 350kcmil-3/0 AWG | 3/8 | 0.406 (10.3) | 1.000 (25.4) | 1.982 (50.3) | 2.353 (59.8) | 5.310 (134.9) | 1.516 (38.5) | 0.414 (10.5) | 1.105 (28.1) | 0.720 (18.3) | Brown | 299 |
| ALND-350-38-134 | 350kcmil | 350kcmil-3/0 AWG | 3/8 | 0.406 (10.3) | 1.750 (44.5) | 2.625 (66.7) | 2.353 (59.8) | 5.661 (143.79) | 1.516 (38.5) | 0.414 (10.5) | 1.105 (28.1) | 0.720 (18.3) | Brown | 299 |
| ALND-350-12-1 | 350kcmil | 350kcmil-3/0 AWG | 1/2 | 0.562 (14.3) | 1.000 (25.4) | 2.169 (55.1) | 2.353 (59.8) | 5.480 (139.2) | 1.516 (38.5) | 0.546 (13.9) | 1.105 (28.1) | 0.720 (18.3) | Brown | 299 |
| ALND-350-12-134 | 350kcmil | 350kcmil-3/0 AWG | 1/2 | 0.562 (14.3) | 1.750 (44.5) | 3.025 (76.8) | 2.353 (59.8) | 6.065 (154.1) | 1.516 (38.5) | 0.546 (13.9) | 1.105 (28.1) | 0.720 (18.3) | Brown | 299 |
| ALND-400-38-1 | 400kcmil | 400kcmil-4/0 AWG | 3/8 | 0.406 (10.3) | 1.000 (25.4) | 1.993 (50.6) | 2.303 (58.5) | 4.920 (125.0) | 1.623 (41.2) | 0.414 (10.5) | 1.188 (30.2) | 0.762 (19.4) | Green | 472 |
| ALND-400-38-134 | 400kcmil | 400kcmil-4/0 AWG | 3/8 | 0.406 (10.3) | 1.750 (44.5) | 2.709 (68.8) | 2.303 (58.5) | 5.635 (143.1) | 1.623 (41.2) | 0.468 (11.9) | 1.188 (30.2) | 0.762 (19.4) | Green | 472 |
| ALND-400-12-1 | 400kcmil | 400kcmil-4/0 AWG | 1/2 | 0.562 (14.3) | 1.000 (25.4) | 2.167 (55.0) | 2.303 (58.5) | 5.091 (129.3) | 1.623 (41.2) | 0.546 (13.9) | 1.188 (30.2) | 0.762 (19.4) | Green | 472 |
| ALND-400-12-134 | 400kcmil | 400kcmil-4/0 AWG | 1/2 | 0.562 (14.3) | 1.750 (44.5) | 3.055 (77.6) | 2.303 (58.5) | 5.990 (152.1) | 1.623 (41.2) | 0.546 (13.9) | 1.188 (30.2) | 0.762 (19.4) | Green | 472 |
| ALND-500-38-1 | 500kcmil | 500kcmil-4/0 AWG | 3/8 | 0.406 (10.3) | 1.000 (25.4) | 2.005 (50.9) | 2.565 (65.2) | 5.410 (137.4) | 1.802 (45.8) | 0.414 (10.5) | 1.315 (33.4) | 0.854 (21.7) | Pink | 300 |
| ALND-500-38-134 | 500kcmil | 500kcmil-4/0 AWG | 3/8 | 0.406 (10.3) | 1.750 (44.5) | 2.627 (66.7) | 2.565 (65.2) | 6.075 (154.3) | 1.802 (45.8) | 0.414 (10.5) | 1.315 (33.4) | 0.854 (21.7) | Pink | 300 |
| ALND-500-12-1 | 500kcmil | 500kcmil-4/0 AWG | 1/2 | 0.562 (14.3) | 1.000 (25.4) | 2.171 (55.1) | 2.565 (65.2) | 5.590 (142.0) | 1.802 (45.8) | 0.546 (13.9) | 1.315 (33.4) | 0.854 (21.7) | Pink | 300 |
| ALND-500-12-134 | 500kcmil | 500kcmil-4/0 AWG | 1/2 | 0.562 (14.3) | 1.750 (44.5) | 3.020 (76.7) | 2.565 (65.2) | 6.450 (163.8) | 1.802 (45.8) | 0.546 (13.9) | 1.315 (33.4) | 0.854 (21.7) | Pink | 300 |

For Tool and Die Information Refer to Tooling Information Page Series: ALNS, ALND, ALNN, ASN

* When installed with specified dieless tools

Tested to UL 486A/B, UL File E6207

SureCrimp® Aluminum Compression Lugs

Long Barrel - Standard Tang - Dual Rated

Conductor Range: 1000kcmil - 600kcmil

A

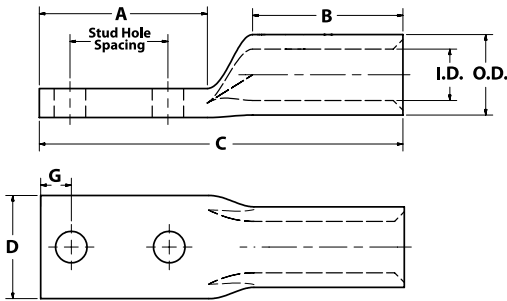
TYPE ALND

Features

- Manufactured from high strength aluminum alloy
- Electro-Tin plated
- Chamfered entry
- Color coded end cap
- Roll marked
- Two bolt hole pattern
- Pre-filled with DE-OX® oxide inhibiting compound
- Range taking
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Dual rated AL9CU to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- For easy identification and proper location of crimps
- Provides maximum surface contact, secure attachment, and stabilization
- Prevents oxides from forming & promotes connector longevity
- Permits inventories to be kept to a minimum
- Application versatility
- For use with aluminum or copper conductor



| Catalog Number | Wire Size | Expanded Wire Range* | Bolt Size | Stud Hole Dia. | Stud Hole Spacing | Dimensions - in (mm) | | | | | | | Die Color Code | Die Index |
|---------------------|--------------|--|-----------|----------------|-------------------|----------------------|--------------|---------------|--------------|--------------|--------------|--------------|----------------|-----------|
| | | | | | | A | B | C | D | G | O.D. | I.D. | | |
| ALND-600-38-1 | 600kcmil | 600kcmil-250kcmil | 3/8 | 0.406 (10.3) | 1.000 (25.4) | 2.128 (54.1) | 2.685 (68.2) | 5.975 (151.8) | 1.965 (49.9) | 0.593 (15.1) | 1.440 (36.6) | 0.920 (23.4) | Black | 473 |
| ALND-600-38-134 | 600kcmil | 600kcmil-250kcmil | 3/8 | 0.406 (10.3) | 1.750 (44.5) | 2.796 (71.0) | 2.685 (68.2) | 6.660 (169.2) | 1.965 (49.9) | 0.593 (15.1) | 1.440 (36.6) | 0.920 (23.4) | Black | 473 |
| ALND-600-12-1 | 600kcmil | 600kcmil-250kcmil | 1/2 | 0.562 (14.3) | 1.000 (25.4) | 2.262 (57.5) | 2.685 (68.2) | 6.130 (155.7) | 1.965 (49.9) | 0.671 (17.0) | 1.440 (36.6) | 0.920 (23.4) | Black | 473 |
| ALND-600-12-134 | 600kcmil | 600kcmil-250kcmil | 1/2 | 0.562 (14.3) | 1.750 (44.5) | 3.150 (80.0) | 2.685 (68.2) | 6.973 (177.1) | 1.965 (49.9) | 0.546 (13.9) | 1.440 (36.6) | 0.920 (23.4) | Black | 473 |
| ALND-700/750-38-1 | 700/750kcmil | 750kcmil-500kcmil, 900kcmil compact Al** | 3/8 | 0.406 (10.3) | 1.000 (25.4) | 2.121 (53.9) | 2.964 (75.3) | 6.220 (158.0) | 2.048 (52.0) | 0.623 (15.8) | 1.460 (37.1) | 1.030 (26.2) | Yellow | 936 |
| ALND-700/750-38-134 | 700/750kcmil | 750kcmil-500kcmil, 900kcmil compact Al** | 3/8 | 0.406 (10.3) | 1.750 (44.5) | 2.812 (71.4) | 2.964 (75.3) | 6.900 (175.3) | 2.048 (52.0) | 0.623 (15.8) | 1.460 (37.1) | 1.030 (26.2) | Yellow | 936 |
| ALND-700/750-12-1 | 700/750kcmil | 750kcmil-500kcmil, 900kcmil compact Al** | 1/2 | 0.562 (14.3) | 1.000 (25.4) | 2.298 (58.4) | 2.964 (75.3) | 6.400 (162.6) | 2.048 (52.0) | 0.701 (17.8) | 1.460 (37.1) | 1.030 (26.2) | Yellow | 936 |
| ALND-700/750-12-134 | 700/750kcmil | 750kcmil-500kcmil, 900kcmil compact Al** | 1/2 | 0.562 (14.3) | 1.750 (44.5) | 3.162 (80.3) | 2.964 (75.3) | 7.062 (179.4) | 2.048 (52.0) | 0.546 (13.9) | 1.460 (37.1) | 1.030 (26.2) | Yellow | 936 |
| ALND-1000-38-1 | 1000kcmil | 1000kcmil-750kcmil | 3/8 | 0.406 (10.3) | 1.000 (25.4) | 2.249 (57.1) | 2.996 (76.1) | 6.840 (173.8) | 2.514 (63.9) | 0.733 (18.6) | 1.840 (46.7) | 1.180 (30.0) | Brown | P302 |
| ALND-1000-38-134 | 1000kcmil | 1000kcmil-750kcmil | 3/8 | 0.406 (10.3) | 1.750 (44.5) | 2.947 (74.9) | 2.996 (76.1) | 7.530 (191.3) | 2.514 (63.9) | 0.733 (18.6) | 1.840 (46.7) | 1.180 (30.0) | Brown | P302 |
| ALND-1000-12-1 | 1000kcmil | 1000kcmil-750kcmil | 1/2 | 0.562 (14.3) | 1.000 (25.4) | 2.125 (54.0) | 2.996 (76.1) | 6.806 (172.9) | 2.514 (63.9) | 0.811 (20.6) | 1.840 (46.7) | 1.180 (30.0) | Brown | P302 |
| ALND-1000-12-134 | 1000kcmil | 1000kcmil-750kcmil | 1/2 | 0.562 (14.3) | 1.750 (44.5) | 3.231 (82.1) | 2.996 (76.1) | 7.795 (198.0) | 2.514 (63.9) | 0.546 (13.9) | 1.840 (46.7) | 1.180 (30.0) | Brown | P302 |

For Tool and Die Information Refer to Tooling Information Page Series: ALNS, ALND, ALNN, ASN

* When installed with specified dieless tools

** UL Listed 900kcmil compact Al

Tested to UL 486A/B, UL File E6207

SureCrimp® Aluminum Compression Lugs

Narrow Tang, 1 Hole, w/o Sight Hole

Conductor Range: 1000kcmil - #4

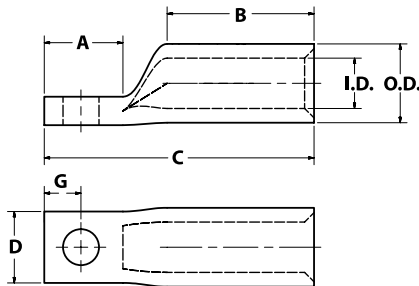
TYPE ALNN

Features

- Manufactured from high strength aluminum alloy
- Electro-Tin plated
- Chamfered entry
- Color coded end cap
- Roll marked
- Pre-filled with DE-OX® oxide inhibiting compound
- Range taking
- Narrow Tang
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Dual rated AL9CU to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- For easy identification and proper location of crimps
- Prevents oxides from forming
- Permits inventories to be kept to a minimum
- Side by side mounting
- Application versatility
- For use with copper or aluminum conductor



| Catalog Number | Wire Size | Expanded Wire Range* | Bolt Size | Stud Hole Dia. | Dimensions - in (mm) | | | | | | | Die Color Code | Die Index |
|-----------------|--------------|---|-----------|----------------|----------------------|--------------|---------------|--------------|--------------|--------------|--------------|----------------|-----------|
| | | | | | A | B | C | D | G | O.D. | I.D. | | |
| ALNN-4-14 | #4 AWG | 4-6 AWG | 1/4 | 0.281 (7.1) | 0.875 (22.2) | 0.920 (23.4) | 2.029 (51.5) | 0.412 (10.5) | 0.321 (8.2) | 0.427 (10.8) | 0.247 (6.3) | Green | 375 |
| ALNN-2-14 | #2 AWG | 2-6 AWG | 1/4 | 0.281 (7.1) | 0.875 (22.2) | 0.970 (24.6) | 2.131 (54.1) | 0.495 (12.6) | 0.321 (8.2) | 0.525 (13.3) | 0.307 (7.8) | Pink | 348 |
| ALNN-1-14 | #1 AWG | 1-2 AWG | 1/4 | 0.281 (7.1) | 1.687 (42.8) | 0.970 (24.6) | 2.175 (55.2) | 0.514 (13.1) | 0.321 (8.2) | 0.544 (13.8) | 0.358 (9.1) | Gold | 471 |
| ALNN-1-516 | #1 AWG | 1-2 AWG | 5/16 | 0.343 (8.7) | 0.875 (22.2) | 0.970 (24.6) | 2.175 (55.2) | 0.514 (13.1) | 0.353 (9.0) | 0.544 (13.8) | 0.358 (9.1) | Gold | 471 |
| ALNN-1/0-516 | #1/0 AWG | 1/0-1 AWG | 5/16 | 0.343 (8.7) | 0.875 (22.2) | 1.070 (27.2) | 2.301 (58.4) | 0.569 (14.5) | 0.353 (9.0) | 0.599 (15.2) | 0.385 (9.8) | Tan | 296 |
| ALNN-2/0-38 | #2/0 AWG | 2/0-1 AWG | 3/8 | 0.406 (10.3) | 0.875 (22.2) | 1.355 (34.4) | 2.626 (66.7) | 0.644 (16.4) | 0.414 (10.5) | 0.674 (17.1) | 0.432 (11.0) | Olive | 297 |
| ALNN-3/0-38 | #3/0 AWG | 3/0-1 AWG | 3/8 | 0.406 (10.3) | 0.875 (22.2) | 1.355 (34.4) | 2.669 (67.8) | 0.731 (18.6) | 0.414 (10.5) | 0.761 (19.3) | 0.495 (12.6) | Ruby | 467 |
| ALNN-3/0-12 | #3/0 AWG | 3/0-1 AWG | 1/2 | 0.562 (14.3) | 1.250 (31.8) | 1.355 (34.4) | 3.044 (77.3) | 0.731 (18.6) | 0.546 (13.9) | 0.761 (19.3) | 0.495 (12.6) | Ruby | 467 |
| ALNN-4/0-38 | #4/0 AWG | 4/0-1 AWG | 3/8 | 0.406 (10.3) | 0.875 (22.2) | 1.535 (39.0) | 2.901 (73.7) | 0.824 (20.9) | 0.414 (10.5) | 0.854 (21.7) | 0.553 (14.0) | White | 298 |
| ALNN-4/0-12 | #4/0 AWG | 4/0-1 AWG | 1/2 | 0.562 (14.3) | 1.250 (31.8) | 1.535 (39.0) | 3.276 (83.2) | 0.824 (20.9) | 0.546 (13.9) | 0.854 (21.7) | 0.553 (14.0) | White | 298 |
| ALNN-250-38 | 250kcmil | 250kcmil-1/0 AWG | 3/8 | 0.406 (10.3) | 0.875 (22.2) | 1.535 (39.0) | 2.941 (74.7) | 0.894 (22.7) | 0.414 (10.5) | 0.924 (23.5) | 0.595 (15.1) | Red | 324 |
| ALNN-250-12 | 250kcmil | 250kcmil-1/0 AWG | 1/2 | 0.562 (14.3) | 1.250 (31.8) | 1.535 (39.0) | 3.316 (84.2) | 0.894 (22.7) | 0.546 (13.9) | 0.924 (23.5) | 0.595 (15.1) | Red | 324 |
| ALNN-300-38 | 300kcmil | 300kcmil-2/0 AWG | 3/8 | 0.406 (10.3) | 0.875 (22.2) | 1.535 (39.0) | 2.997 (76.1) | 0.980 (24.9) | 0.414 (10.5) | 1.010 (25.7) | 0.650 (16.5) | Blue | 470 |
| ALNN-300-12 | 300kcmil | 300kcmil-2/0 AWG | 1/2 | 0.562 (14.3) | 1.250 (31.8) | 1.535 (39.0) | 3.372 (85.6) | 0.980 (24.9) | 0.546 (13.9) | 1.010 (25.7) | 0.650 (16.5) | Blue | 470 |
| ALNN-350-12 | 350kcmil | 350kcmil-3/0 AWG | 1/2 | 0.562 (14.3) | 1.250 (31.8) | 2.353 (59.8) | 4.226 (107.3) | 1.075 (27.3) | 0.546 (13.9) | 1.105 (28.1) | 0.720 (18.3) | Brown | 299 |
| ALNN-400-12 | 400kcmil | 400kcmil-4/0 AWG | 1/2 | 0.562 (14.3) | 1.250 (31.8) | 2.303 (58.5) | 4.220 (107.2) | 1.158 (29.4) | 0.546 (13.9) | 1.188 (30.2) | 0.762 (19.4) | Green | 472 |
| ALNN-400-58 | 400kcmil | 400kcmil-4/0 AWG | 5/8 | 0.656 (16.7) | 1.437 (36.5) | 2.303 (58.5) | 4.407 (111.9) | 1.158 (29.4) | 0.671 (17.0) | 1.188 (30.2) | 0.762 (19.4) | Green | 472 |
| ALNN-500-12 | 500kcmil | 500kcmil-5/0 AWG | 1/2 | 0.562 (14.3) | 1.250 (31.8) | 2.565 (65.2) | 4.547 (115.5) | 1.285 (32.6) | 0.546 (13.9) | 1.315 (33.4) | 0.854 (21.7) | Pink | 300 |
| ALNN-500-58 | 500kcmil | 500kcmil-5/0 AWG | 5/8 | 0.656 (16.7) | 1.437 (36.5) | 2.565 (65.2) | 4.734 (120.2) | 1.285 (32.6) | 0.671 (17.0) | 1.315 (33.4) | 0.854 (21.7) | Pink | 300 |
| ALNN-600-12 | 600kcmil | 600kcmil-250kcmil | 1/2 | 0.562 (14.3) | 1.250 (31.8) | 2.685 (68.2) | 4.744 (120.5) | 1.410 (35.8) | 0.546 (13.9) | 1.440 (36.6) | 0.920 (23.4) | Black | 473 |
| ALNN-600-58 | 600kcmil | 600kcmil-250kcmil | 5/8 | 0.656 (16.7) | 1.437 (36.5) | 2.685 (68.2) | 4.931 (125.2) | 1.410 (35.8) | 0.671 (17.0) | 1.440 (36.6) | 0.920 (23.4) | Black | 473 |
| ALNN-700/750-12 | 700/750kcmil | 750kcmil-500kcmil, 900kcmil compact Al** | 1/2 | 0.562 (14.3) | 1.250 (31.8) | 2.964 (75.3) | 5.116 (129.9) | 1.430 (36.3) | 0.546 (13.9) | 1.460 (37.1) | 1.030 (26.2) | Yellow | 936 |
| ALNN-700/750-58 | 700/750kcmil | 750kcmil-500kcmil, 900kcmil compact Al** | 5/8 | 0.656 (16.7) | 1.437 (36.5) | 2.964 (75.3) | 5.303 (134.7) | 1.430 (36.3) | 0.671 (17.0) | 1.460 (37.1) | 1.030 (26.2) | Yellow | 936 |
| ALNN-1000-12 | 1000kcmil | 1000kcmil-750kcmil | 1/2 | 0.562 (14.3) | 1.250 (31.8) | 2.996 (76.1) | 5.271 (133.9) | 1.578 (40.1) | 0.546 (13.9) | 1.840 (46.7) | 1.180 (30.0) | Brown | P302 |
| ALNN-1000-58 | 1000kcmil | 1000kcmil-750kcmil | 5/8 | 0.656 (16.7) | 1.437 (36.5) | 2.996 (76.1) | 5.458 (138.6) | 1.578 (40.1) | 0.671 (17.0) | 1.840 (46.7) | 1.180 (30.0) | Brown | P302 |

For Tool and Die Information Refer to Tooling Information Page Series: ALNS, ALND, ALNN, ASN

* When installed with specified dieless tools

** UL Listed 900kcmil compact Al

Tested to UL 486A/B, UL File E6207

SureCrimp® Aluminum Compression Lugs

Narrow Tang, 2 Hole, w/o Sight Hole

Conductor Range: 300kcmil - #4

A

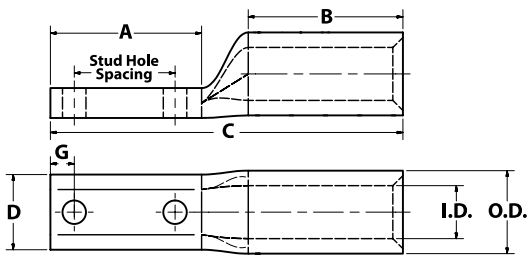
TYPE ALNN

Features

- Manufactured from high strength aluminum alloy
- Electro-Tin plated
- Chamfered entry
- Color coded end cap
- Roll marked
- Two bolt hole pattern
- Pre-filled with DE-OX® oxide inhibiting compound
- Range taking
- Narrow Tang
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Dual rated AL9CU to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- For easy identification and proper location of crimps
- Provides maximum surface contact, secure attachment, and stabilization
- Prevents oxides from forming
- Permits inventories to be kept to a minimum
- Side by side mounting
- Application versatility
- For use with copper or aluminum conductor



| Catalog Number | Wire Size | Expanded Wire Range* | Bolt Size | Stud Hole Dia. | Stud Hole Spacing | Dimensions - in (mm) | | | | | | | Die Color Code | Die Index |
|-----------------|-----------|----------------------|-----------|----------------|-------------------|----------------------|--------------|---------------|--------------|--------------|--------------|--------------|----------------|-----------|
| | | | | | | A | B | C | D | G | O.D. | I.D. | | |
| ALNN-4-14-1 | #4 AWG | 4-6 AWG | 1/4 | 0.281 (7.1) | 1.000 (25.4) | 1.687 (42.8) | 0.920 (23.4) | 2.841 (72.2) | 0.412 (10.5) | 0.321 (8.2) | 0.427 (10.8) | 0.247 (6.3) | Green | 375 |
| ALNN-2-14-1 | #2 AWG | 2-6 AWG | 1/4 | 0.281 (7.1) | 1.000 (25.4) | 1.687 (42.8) | 0.970 (24.6) | 2.943 (74.8) | 0.495 (12.6) | 0.321 (8.2) | 0.525 (13.3) | 0.307 (7.8) | Pink | 348 |
| ALNN-1-14-1 | #1 AWG | 1-2 AWG | 1/4 | 0.281 (7.1) | 1.000 (25.4) | 1.687 (42.8) | 0.970 (24.6) | 2.987 (75.9) | 0.514 (13.1) | 0.321 (8.2) | 0.544 (13.8) | 0.358 (9.1) | Gold | 471 |
| ALNN-1/0-14-1 | 1/0 AWG | 1/0-1 AWG | 1/4 | 0.281 (7.1) | 1.000 (25.4) | 1.687 (42.8) | 1.070 (27.2) | 2.987 (75.9) | 0.569 (14.5) | 0.321 (8.2) | 0.599 (15.2) | 0.385 (9.8) | Tan | 296 |
| ALNN-2/0-38-1 | 2/0 AWG | 2/0-1 AWG | 3/8 | 0.406 (10.3) | 1.000 (25.4) | 1.937 (49.2) | 1.355 (34.4) | 3.688 (93.7) | 0.644 (16.4) | 0.414 (10.5) | 0.674 (17.1) | 0.432 (11.0) | Olive | 297 |
| ALNN-2/0-38-134 | 2/0 AWG | 2/0-1 AWG | 3/8 | 0.406 (10.3) | 1.750 (44.5) | 2.625 (66.7) | 1.355 (34.4) | 4.376 (111.2) | 0.644 (16.4) | 0.414 (10.5) | 0.674 (17.1) | 0.432 (11.0) | Olive | 297 |
| ALNN-3/0-38-1 | 3/0 AWG | 3/0-1 AWG | 3/8 | 0.406 (10.3) | 1.000 (25.4) | 1.937 (49.2) | 1.355 (34.4) | 3.731 (94.8) | 0.731 (18.6) | 0.414 (10.5) | 0.761 (19.3) | 0.495 (12.6) | Ruby | 467 |
| ALNN-3/0-38-134 | 3/0 AWG | 3/0-1 AWG | 3/8 | 0.406 (10.3) | 1.750 (44.5) | 2.625 (66.7) | 1.355 (34.4) | 4.419 (112.2) | 0.731 (18.6) | 0.414 (10.5) | 0.761 (19.3) | 0.495 (12.6) | Ruby | 467 |
| ALNN-3/0-12-134 | 3/0 AWG | 3/0-1 AWG | 1/2 | 0.562 (14.3) | 1.750 (44.5) | 3.000 (76.2) | 1.355 (34.4) | 4.794 (121.8) | 0.731 (18.6) | 0.546 (13.9) | 0.761 (19.3) | 0.495 (12.6) | Ruby | 467 |
| ALNN-4/0-38-1 | 4/0 AWG | 4/0-1 AWG | 3/8 | 0.406 (10.3) | 1.000 (25.4) | 1.937 (49.2) | 1.535 (39.0) | 3.963 (100.7) | 0.824 (20.9) | 0.414 (10.5) | 0.854 (21.7) | 0.553 (14.0) | White | 298 |
| ALNN-4/0-38-134 | 4/0 AWG | 4/0-1 AWG | 3/8 | 0.406 (10.3) | 1.750 (44.5) | 2.625 (66.7) | 1.535 (39.0) | 4.651 (118.1) | 0.824 (20.9) | 0.414 (10.5) | 0.854 (21.7) | 0.553 (14.0) | White | 298 |
| ALNN-4/0-12-1 | 4/0 AWG | 4/0-1 AWG | 1/2 | 0.562 (14.3) | 1.000 (25.4) | 2.125 (54.0) | 1.535 (39.0) | 4.151 (105.4) | 0.824 (20.9) | 0.546 (13.9) | 0.854 (21.7) | 0.553 (14.0) | White | 298 |
| ALNN-4/0-12-134 | 4/0 AWG | 4/0-1 AWG | 1/2 | 0.562 (14.3) | 1.750 (44.5) | 3.000 (76.2) | 1.535 (39.0) | 5.026 (127.7) | 0.824 (20.9) | 0.546 (13.9) | 0.854 (21.7) | 0.553 (14.0) | White | 298 |
| ALNN-250-38-1 | 250kcmil | 250kcmil-1/0 AWG | 3/8 | 0.406 (10.3) | 1.000 (25.4) | 1.937 (49.2) | 1.535 (39.0) | 4.003 (101.7) | 0.894 (22.7) | 0.414 (10.5) | 0.924 (23.5) | 0.595 (15.1) | Red | 324 |
| ALNN-250-38-134 | 250kcmil | 250kcmil-1/0 AWG | 3/8 | 0.406 (10.3) | 1.750 (44.5) | 2.625 (66.7) | 1.535 (39.0) | 4.691 (119.2) | 0.894 (22.7) | 0.414 (10.5) | 0.924 (23.5) | 0.595 (15.1) | Red | 324 |
| ALNN-250-12-1 | 250kcmil | 250kcmil-1/0 AWG | 1/2 | 0.562 (14.3) | 1.000 (25.4) | 2.125 (54.0) | 1.535 (39.0) | 4.191 (106.5) | 0.894 (22.7) | 0.546 (13.9) | 0.924 (23.5) | 0.595 (15.1) | Red | 324 |
| ALNN-250-12-134 | 250kcmil | 250kcmil-1/0 AWG | 1/2 | 0.562 (14.3) | 1.750 (44.5) | 3.000 (76.2) | 1.535 (39.0) | 5.066 (128.7) | 0.894 (22.7) | 0.546 (13.9) | 0.924 (23.5) | 0.595 (15.1) | Red | 324 |
| ALNN-300-38-1 | 300kcmil | 300kcmil-2/0 AWG | 3/8 | 0.406 (10.3) | 1.000 (25.4) | 1.937 (49.2) | 1.535 (39.0) | 4.059 (103.1) | 0.980 (24.9) | 0.414 (10.5) | 1.010 (25.7) | 0.650 (16.5) | Blue | 470 |
| ALNN-300-38-134 | 300kcmil | 300kcmil-2/0 AWG | 3/8 | 0.406 (10.3) | 1.750 (44.5) | 2.625 (66.7) | 1.535 (39.0) | 4.747 (120.6) | 0.980 (24.9) | 0.414 (10.5) | 1.010 (25.7) | 0.650 (16.5) | Blue | 470 |
| ALNN-300-12-1 | 300kcmil | 300kcmil-2/0 AWG | 1/2 | 0.562 (14.3) | 1.000 (25.4) | 2.125 (54.0) | 1.535 (39.0) | 4.247 (107.9) | 0.980 (24.9) | 0.546 (13.9) | 1.010 (25.7) | 0.650 (16.5) | Blue | 470 |
| ALNN-300-12-134 | 300kcmil | 300kcmil-2/0 AWG | 1/2 | 0.562 (14.3) | 1.750 (44.5) | 3.000 (76.2) | 1.535 (39.0) | 5.122 (130.1) | 0.980 (24.9) | 0.546 (13.9) | 1.010 (25.7) | 0.650 (16.5) | Blue | 470 |

For Tool and Die Information Refer to Tooling Information Page Series: ALNS, ALND, ALNN, ASN

* When installed with specified dieless tools

Tested to UL 486A/B, UL File E6207

SureCrimp® Aluminum Compression Lugs

Narrow Tang, 2 Hole, w/o Sight Hole

Conductor Range: 1000kcmil - 350kcmil

TYPE ALNN

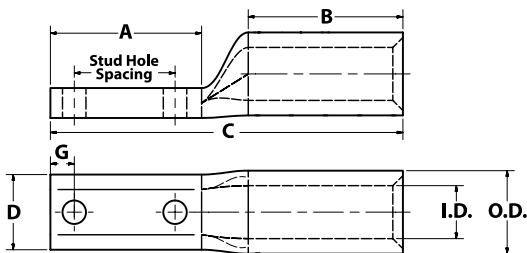
Features

- Manufactured from high strength aluminum alloy
- Electro-Tin plated
- Chamfered entry
- Color coded end cap
- Roll marked
- Two bolt hole pattern
- Pre-filled with DE-OX® oxide inhibiting compound
- Range taking
- Narrow Tang
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Dual rated AL9CU to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- For easy identification and proper location of crimps
- Provides maximum surface contact, secure attachment, and stabilization
- Prevents oxides from forming
- Permits inventories to be kept to a minimum
- Side by side mounting
- Application versatility
- For use with copper or aluminum conductor

A



| Catalog Number | Wire Size | Expanded Wire Range* | Bolt Size | Stud Hole Dia. | Stud Hole Spacing | Dimensions - in (mm) | | | | | | | Die Color Code | Die Index |
|---------------------|--------------|--|-----------|----------------|-------------------|----------------------|--------------|---------------|--------------|--------------|--------------|--------------|----------------|-----------|
| | | | | | | A | B | C | D | G | O.D. | I.D. | | |
| ALNN-350-38-1 | 350kcmil | 350kcmil-3/0 AWG | 3/8 | 0.406 (10.3) | 1.000 (25.4) | 1.937 (49.2) | 2.353 (59.8) | 4.913 (124.8) | 1.075 (27.3) | 0.414 (10.5) | 1.105 (28.1) | 0.720 (18.3) | Brown | 299 |
| ALNN-350-38-134 | 350kcmil | 350kcmil-3/0 AWG | 3/8 | 0.406 (10.3) | 1.750 (44.5) | 2.625 (66.7) | 2.353 (59.8) | 5.601 (142.3) | 1.075 (27.3) | 0.414 (10.5) | 1.105 (28.1) | 0.720 (18.3) | Brown | 299 |
| ALNN-350-12-1 | 350kcmil | 350kcmil-3/0 AWG | 1/2 | 0.562 (14.3) | 1.000 (25.4) | 2.125 (54.0) | 2.353 (59.8) | 5.101 (129.6) | 1.075 (27.3) | 0.546 (13.9) | 1.105 (28.1) | 0.720 (18.3) | Brown | 299 |
| ALNN-350-12-134 | 350kcmil | 350kcmil-3/0 AWG | 1/2 | 0.562 (14.3) | 1.750 (44.5) | 3.000 (76.2) | 2.353 (59.8) | 5.976 (151.8) | 1.075 (27.3) | 0.546 (13.9) | 1.105 (28.1) | 0.720 (18.3) | Brown | 299 |
| ALNN-400-38-1 | 400kcmil | 400kcmil-4/0 AWG | 3/8 | 0.406 (10.3) | 1.000 (25.4) | 1.937 (49.2) | 2.303 (58.5) | 4.907 (124.6) | 1.158 (29.4) | 0.414 (10.5) | 1.188 (30.2) | 0.762 (19.4) | Green | 472 |
| ALNN-400-38-134 | 400kcmil | 400kcmil-4/0 AWG | 3/8 | 0.406 (10.3) | 1.750 (44.5) | 2.625 (66.7) | 2.303 (58.5) | 5.595 (142.1) | 1.158 (29.4) | 0.414 (10.5) | 1.188 (30.2) | 0.762 (19.4) | Green | 472 |
| ALNN-400-12-1 | 400kcmil | 400kcmil-4/0 AWG | 1/2 | 0.562 (14.3) | 1.000 (25.4) | 2.125 (54.0) | 2.303 (58.5) | 5.095 (129.4) | 1.158 (29.4) | 0.546 (13.9) | 1.188 (30.2) | 0.762 (19.4) | Green | 472 |
| ALNN-400-12-134 | 400kcmil | 400kcmil-4/0 AWG | 1/2 | 0.562 (14.3) | 1.750 (44.5) | 3.000 (76.2) | 2.303 (58.5) | 5.970 (151.6) | 1.158 (29.4) | 0.546 (13.9) | 1.188 (30.2) | 0.762 (19.4) | Green | 472 |
| ALNN-500-38-1 | 500kcmil | 500kcmil-4/0 AWG | 3/8 | 0.406 (10.3) | 1.000 (25.4) | 1.937 (49.2) | 2.565 (65.2) | 5.234 (132.9) | 1.285 (32.6) | 0.414 (10.5) | 1.315 (33.4) | 0.854 (21.7) | Pink | 300 |
| ALNN-500-38-134 | 500kcmil | 500kcmil-4/0 AWG | 3/8 | 0.406 (10.3) | 1.750 (44.5) | 2.625 (66.7) | 2.565 (65.2) | 5.922 (150.4) | 1.285 (32.6) | 0.414 (10.5) | 1.315 (33.4) | 0.854 (21.7) | Pink | 300 |
| ALNN-500-12-1 | 500kcmil | 500kcmil-4/0 AWG | 1/2 | 0.562 (14.3) | 1.000 (25.4) | 2.125 (54.0) | 2.565 (65.2) | 5.422 (137.7) | 1.285 (32.6) | 0.546 (13.9) | 1.315 (33.4) | 0.854 (21.7) | Pink | 300 |
| ALNN-500-12-134 | 500kcmil | 500kcmil-4/0 AWG | 1/2 | 0.562 (14.3) | 1.750 (44.5) | 3.000 (76.2) | 2.565 (65.2) | 6.297 (159.9) | 1.285 (32.6) | 0.546 (13.9) | 1.315 (33.4) | 0.854 (21.7) | Pink | 300 |
| ALNN-600-38-1 | 600kcmil | 600kcmil-250kcmil | 3/8 | 0.406 (10.3) | 1.000 (25.4) | 1.937 (49.2) | 2.685 (68.2) | 5.431 (137.9) | 1.410 (35.8) | 0.414 (10.5) | 1.440 (36.6) | 0.920 (23.4) | Black | 473 |
| ALNN-600-38-134 | 600kcmil | 600kcmil-250kcmil | 3/8 | 0.406 (10.3) | 1.750 (44.5) | 2.625 (66.7) | 2.685 (68.2) | 6.119 (155.4) | 1.410 (35.8) | 0.414 (10.5) | 1.440 (36.6) | 0.920 (23.4) | Black | 473 |
| ALNN-600-12-1 | 600kcmil | 600kcmil-250kcmil | 1/2 | 0.562 (14.3) | 1.000 (25.4) | 2.125 (54.0) | 2.685 (68.2) | 5.619 (142.7) | 1.410 (35.8) | 0.546 (13.9) | 1.440 (36.6) | 0.920 (23.4) | Black | 473 |
| ALNN-600-12-134 | 600kcmil | 600kcmil-250kcmil | 1/2 | 0.562 (14.3) | 1.750 (44.5) | 3.000 (76.2) | 2.685 (68.2) | 6.494 (164.9) | 1.410 (35.8) | 0.546 (13.9) | 1.440 (36.6) | 0.920 (23.4) | Black | 473 |
| ALNN-700/750-38-1 | 700/750kcmil | 750kcmil-500kcmil, 900kcmil compact Al** | 3/8 | 0.406 (10.3) | 1.000 (25.4) | 1.937 (49.2) | 2.964 (75.3) | 5.803 (147.4) | 1.430 (36.3) | 0.414 (10.5) | 1.460 (37.1) | 1.030 (26.2) | Yellow | 936 |
| ALNN-700/750-38-134 | 700/750kcmil | 750kcmil-500kcmil, 900kcmil compact Al** | 3/8 | 0.406 (10.3) | 1.750 (44.5) | 2.625 (66.7) | 2.964 (75.3) | 6.491 (164.9) | 1.430 (36.3) | 0.414 (10.5) | 1.460 (37.1) | 1.030 (26.2) | Yellow | 936 |
| ALNN-700/750-12-1 | 700/750kcmil | 750kcmil-500kcmil, 900kcmil compact Al** | 1/2 | 0.562 (14.3) | 1.000 (25.4) | 2.125 (54.0) | 2.964 (75.3) | 5.991 (152.2) | 1.430 (36.3) | 0.546 (13.9) | 1.460 (37.1) | 1.030 (26.2) | Yellow | 936 |
| ALNN-700/750-12-134 | 700/750kcmil | 750kcmil-500kcmil, 900kcmil compact Al** | 1/2 | 0.562 (14.3) | 1.750 (44.5) | 3.000 (76.2) | 2.964 (75.3) | 6.866 (174.4) | 1.430 (36.3) | 0.546 (13.9) | 1.460 (37.1) | 1.030 (26.2) | Yellow | 936 |
| ALNN-1000-38-1 | 1000kcmil | 1000kcmil-750kcmil | 3/8 | 0.406 (10.3) | 1.000 (25.4) | 1.937 (49.2) | 2.996 (76.1) | 5.958 (151.3) | 1.578 (40.1) | 0.414 (10.5) | 1.840 (46.7) | 1.180 (30.0) | Brown | P302 |
| ALNN-1000-38-134 | 1000kcmil | 1000kcmil-750kcmil | 3/8 | 0.406 (10.3) | 1.750 (44.5) | 2.625 (66.7) | 2.996 (76.1) | 6.646 (168.8) | 1.578 (40.1) | 0.414 (10.5) | 1.840 (46.7) | 1.180 (30.0) | Brown | P302 |
| ALNN-1000-12-1 | 1000kcmil | 1000kcmil-750kcmil | 1/2 | 0.562 (14.3) | 1.000 (25.4) | 2.125 (54.0) | 2.996 (76.1) | 6.146 (156.1) | 1.578 (40.1) | 0.546 (13.9) | 1.840 (46.7) | 1.180 (30.0) | Brown | P302 |
| ALNN-1000-12-134 | 1000kcmil | 1000kcmil-750kcmil | 1/2 | 0.562 (14.3) | 1.750 (44.5) | 3.000 (76.2) | 2.996 (76.1) | 7.021 (178.3) | 1.578 (40.1) | 0.546 (13.9) | 1.840 (46.7) | 1.180 (30.0) | Brown | P302 |

For Tool and Die Information Refer to Tooling Information Page Series: ALNS, ALND, ALNN, ASN

* When installed with specified dieless tools

** UL Listed 900kcmil compact Al

Tested to UL 486A/B, UL File E6207

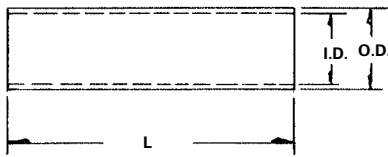
A
TYPE
ASN

Features

- Manufactured from high strength aluminum alloy
- Electro-Tin plated
- Chamfered entry
- Color coded end cap
- Roll marked
- Pre-filled with DE-OX® oxide inhibiting compound
- Range taking
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Dual rated AL9CU to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- For easy identification and proper location of crimps
- Prevents oxides from forming & promotes connector longevity
- Permits inventories to be kept to a minimum
- Application versatility
- For use with aluminum or copper conductor



| Catalog Number | Wire Size | Expanded Wire Range* | Dimensions - in (mm) | | | Die Color Code | Die Index |
|----------------|--------------|---|----------------------|--------------|--------------|----------------|-----------|
| | | | Length | O.D. | I.D. | | |
| ASN-8 | #8 AWG | 8 AWG | 1.806 (45.9) | 0.300 (7.6) | 0.155 (3.9) | Blue | 374 |
| ASN-6 | #6 AWG | 6 AWG | 1.205 (30.6) | 0.338 (8.6) | 0.194 (4.9) | Gray | 346 |
| ASN-4 | #4 AWG | 4-6 AWG | 2.222 (56.4) | 0.427 (10.8) | 0.247 (6.3) | Green | 375 |
| ASN-2 | #2 AWG | 2-6 AWG | 1.940 (49.3) | 0.525 (13.3) | 0.307 (7.8) | Pink | 348 |
| ASN-1 | #1 AWG | 1-2 AWG | 1.940 (49.3) | 0.544 (13.8) | 0.358 (9.1) | Gold | 471 |
| ASN-1/0 | 1/0 AWG | 1/0-1 AWG | 2.573 (65.4) | 0.599 (15.2) | 0.385 (9.8) | Tan | 296 |
| ASN-2/0 | 2/0 AWG | 2/0-1 AWG | 2.710 (68.8) | 0.674 (17.1) | 0.432 (11.0) | Olive | 297 |
| ASN-3/0 | 3/0 AWG | 3/0-1 AWG | 2.710 (68.8) | 0.761 (19.3) | 0.495 (12.6) | Olive | 297 |
| ASN-4/0 | 4/0 AWG | 4/0-1 AWG | 3.070 (78.0) | 0.854 (21.7) | 0.553 (14.0) | Ruby | 467 |
| ASN-250 | 250kcmil | 250kcmil-1/0 AWG | 3.735 (94.9) | 0.924 (23.5) | 0.595 (15.1) | Red | 324 |
| ASN-300 | 300kcmil | 300kcmil-2/0 AWG | 3.070 (78.0) | 1.010 (25.7) | 0.650 (16.5) | Blue | 470 |
| ASN-350 | 350kcmil | 350kcmil-3/0 AWG | 5.125 (130.2) | 1.105 (28.1) | 0.720 (18.3) | Brown | 299 |
| ASN-400 | 400kcmil | 400kcmil-4/0 AWG | 4.606 (117.0) | 1.188 (30.2) | 0.762 (19.4) | Green | 472 |
| ASN-500 | 500kcmil | 500kcmil-4/0 AWG | 5.130 (130.3) | 1.315 (33.4) | 0.854 (21.7) | Pink | 300 |
| ASN-600 | 600kcmil | 600kcmil-250kcmil | 5.370 (136.4) | 1.440 (36.6) | 0.920 (23.4) | Black | 473 |
| ASN-700/750 | 700/750kcmil | 750kcmil-500kcmil, 900kcmil compact Al** | 5.928 (150.6) | 1.460 (37.1) | 1.030 (26.2) | Yellow | 936 |
| ASN-1000 | 1000kcmil | 1000kcmil-750kcmil | 5.992 (152.2) | 1.840 (46.7) | 1.180 (30.0) | Brown | P302 |

For Tool and Die Information Refer to Tooling Information Page Series: ALNS, ALND, ALNN, ASN

* When installed with specified dieless tools

** UL Listed 900kcmil compact Al

Tested to UL 486A/B, UL File E6207

TYPE ASL

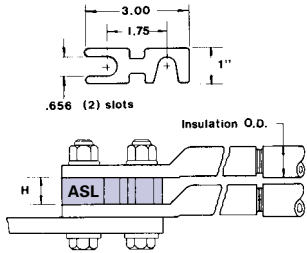
Features

- Electro-tin plated
- Manufactured from high strength aluminum alloy
- Two sizes cover a wire range from 750 kcmil-1/0
- Unique design
- Versatile
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90° C

Benefits

- Provides low contact resistance
- Can be used with both aluminum and copper terminals
- Permits inventories to be kept to a minimum
- Allows vertical stacking to minimize space requirements
- Can be used with copper and/or aluminum connectors
- Application versatility

A



| Catalog Number | Wire Range | Insulation O.D. | H |
|----------------|--------------|-----------------|-------|
| ASL-250 | 250kcmil-1/0 | 55/64 | 3/4 |
| ASL-750 | 750kcmil-1/0 | 1-3/8 | 1-1/4 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

Copper Pigtail Adaptor

Dual Rated - Conductor Range: 3/0-#6

A

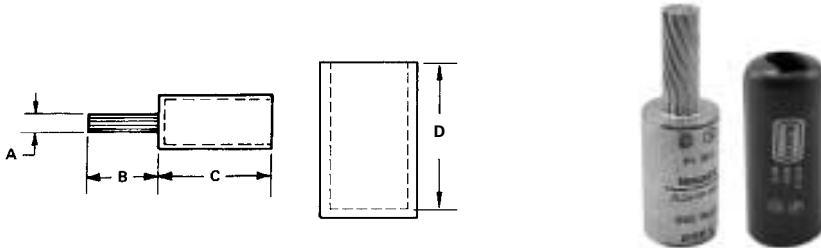
TYPE CPM

Features

- Barrel manufactured from high strength aluminum alloy
- Pigtail manufactured from high conductivity copper
- Chamfered barrel
- UL Listed and CSA Certified for 600 volts, 90° C
- Clearly marked with wire size and die index for ILSCO tools, proper number and location of crimps
- Prefilled with DE-OX
- Color coded end caps inserted in barrel
- Supplied with insulating cover
- Rated for full ampacity of incoming conductor

Benefits

- Allows insertion into equipment supplied with either copper or aluminum connectors
- Provides maximum conductivity and excellent crimping characteristics
- Provides easy conductor insertion
- Ensures reliability for copper and aluminum conductors
- Provides easy identification and tooling recommendation
- Prevents oxides from forming
- Prevents foreign materials from entering the connector prior to usage and color code identifies the proper compression die
- Eliminates taping



| Catalog Number | Wire Size | Die Color | Copper Pin Size | Dimensions | | | | O.D. | I.D. |
|----------------|-----------|-----------|-----------------|------------|-------|---------|---------|-------|-------|
| | | | | A | B | C | Cover D | | |
| CPM-6 | 6 | Orange | 8 | 1/8 | 7/8 | 1-11/32 | 1-11/16 | 21/32 | 3/16 |
| CPM-4 | 4 | Orange | 6 | 3/16 | 7/8 | 1-11/32 | 1-11/16 | 21/32 | 1/4 |
| CPM-2 | 2 | Orange | 4 | 15/64 | 7/8 | 1-11/32 | 1-11/16 | 21/32 | 5/16 |
| CPM-1 | 1 | Orange | 3 | 17/64 | 1 | 1-11/32 | 1-11/16 | 21/32 | 23/64 |
| CPM-1/0 | 1/0 | White | 2 | 19/64 | 1-1/4 | 1-19/32 | 2-3/32 | 29/32 | 25/64 |
| CPM-2/0 | 2/0 | White | 1 | 11/32 | 1-1/4 | 1-19/32 | 2-3/32 | 29/32 | 7/16 |
| CPM-3/0 | 3/0 | White | 1/0 | 3/8 | 1-3/8 | 1-7/8 | 2-3/32 | 29/32 | 1/2 |

Tooling Information

| Catalog Number | ILSCO | | | Burdny | | | | Thomas & Betts | | | Color Code |
|----------------|---|--|-------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|---|--|---|------------|
| | ILC-12-N ILC-12H-N Die No. No. of Crimps | ILCB-12-N ILCB-12-LIO Die No. No. of Crimps | ILC-15H Die No. No. of Crimps | Y-46 Die Index No. of Crimps | Y-35 Die Index No. of Crimps | Y-39 Die Index No. of Crimps | Y-45 Die Index No. of Crimps | 13642 12 Ton Die Index No. of Crimps | TBM 15 15 Ton Die Index No. of Crimps | 21940 40 Ton Die Index No. of Crimps | |
| CPM-6 | ILD-9 (3) | ILD-9 (3) | ILD-9 (3) | 297 (2) | 297 (2) | 297 (2) | 297 (2) | 50 (2) | 50 (2) | 50 (2) | Orange |
| CPM-4 | ILD-9 (3) | ILD-9 (3) | ILD-9 (3) | 297 (2) | 297 (2) | 297 (2) | 297 (2) | 50 (2) | 50 (2) | 50 (2) | Orange |
| CPM-2 | ILD-9 (3) | ILD-9 (3) | ILD-9 (3) | 297 (2) | 297 (2) | 297 (2) | 297 (2) | 50 (2) | 50 (2) | 50 (2) | Orange |
| CPM-1 | ILD-9 (3) | ILD-9 (3) | ILD-9 (3) | 297 (2) | 297 (2) | 297 (2) | 297 (2) | 50 (2) | 50 (2) | 50 (2) | Orange |
| CPM-1/0 | ILD-12 (1) | ILD-12 (1) | ILD-12 (1) | 324 (2) | 324 (2) | 324 (2) | 324 (2) | 76H (4) | 76 (2) | 76 (2) | White |
| CPM-2/0 | ILD-12 (1) | ILD-12 (1) | ILD-12 (1) | 324 (2) | 324 (2) | 324 (2) | 324 (2) | 76H (4) | 76 (2) | 76 (2) | White |
| CPM-3/0 | ILD-12 (1) | ILD-12 (1) | ILD-12 (1) | 324 (2) | 324 (2) | 324 (2) | 324 (2) | 76H (4) | 76 (2) | 76 (2) | White |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Dieless crimp tools must not be used to crimp CPM/CPML adaptors. See stuffer sheet for complete information on tooling.

Tested to UL 486A/B, UL File E62525

TYPE CPM

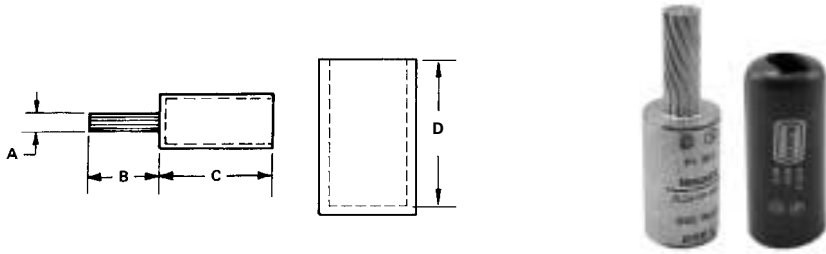
Features

- Barrel manufactured from high strength aluminum alloy
- Pigtail manufactured from high conductivity copper
- Chamfered barrel
- UL Listed and CSA Certified for 600 volts, 90° C
- Clearly marked with wire size and die index for ILSCO tools, proper number and location of crimps
- Prefilled with DE-OX
- Color coded end caps inserted in barrel
- Supplied with insulating cover
- Rated for full ampacity of incoming conductor

Benefits

- Allows insertion into equipment supplied with either copper or aluminum connectors
- Provides maximum conductivity and excellent crimping characteristics
- Provides easy conductor insertion
- Ensures reliability for copper and aluminum conductors
- Provides easy identification and tooling recommendation
- Prevents oxides from forming
- Prevents foreign materials from entering the connector prior to usage and color code identifies the proper compression die
- Eliminates taping

A



| Catalog Number | Wire Size | Die Color | Copper Pin Size | Dimensions | | | | O.D. | I.D. |
|----------------|-----------|-----------|-----------------|------------|-------|--------|---------|--------|-------|
| | | | | A | B | C | Cover D | | |
| CPM-4/0 | 4/0 | White | 2/0 | 13/32 | 1-3/8 | 1-7/8 | 2-3/32 | 29/32 | 9/16 |
| CPM-250 | 250kcmil | Brown | 3/0 | 15/32 | 1-1/2 | 2-1/16 | 2-27/32 | 1-5/32 | 39/64 |
| CPM-300 | 300kcmil | Brown | 4/0 | 17/32 | 1-5/8 | 2-1/16 | 2-27/32 | 1-5/32 | 21/32 |
| CPM-350 | 350kcmil | Brown | 4/0 | 17/32 | 1-5/8 | 2-1/16 | 2-27/32 | 1-5/32 | 23/32 |
| CPM-400 | 400kcmil | Pink | 250kcmil | 37/64 | 1-7/8 | 2-3/32 | 2-13/32 | 1-3/8 | 49/64 |
| CPM-500 | 500kcmil | Pink | 350kcmil | 11/16 | 1-7/8 | 2-3/32 | 2-13/32 | 1-3/8 | 55/64 |
| CPM-600 | 600kcmil | Yellow | 350kcmil | 11/16 | 1-7/8 | 2-3/4 | 3-3/32 | 1-1/2 | 59/64 |

Tooling Information

| Catalog Number | ILSCO | | | Burdny | | | | Thomas & Betts | | | Color Code |
|----------------|---|---|-------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|---|--|---|------------|
| | ILC-12-N ILC-12H-N Die No. No. of Crimps | ILCB-12-LIO Die No. No. of Crimps | ILC-15H Die No. No. of Crimps | Y-46 Die Index No. of Crimps | Y-35 Die Index No. of Crimps | Y-39 Die Index No. of Crimps | Y-45 Die Index No. of Crimps | 13642 12 Ton Die Index No. of Crimps | TBM 15 15 Ton Die Index No. of Crimps | 21940 40 Ton Die Index No. of Crimps | |
| CPM-4/0 | ILD-12 (1) | ILD-12 (1) | ILD-12 (1) | 324 (2) | 324 (1) | 324 (2) | 324 (2) | 76H (4) | 76 (2) | 76 (2) | White |
| CPM-250 | ILD-14 (2*) | ILD-14 (2*) | ILD-14 (2*) | 299 (2*) | 299 (2*) | 299 (2*) | 299 (2*) | 87H (2) | 87H (2) | 87 (1) | Brown |
| CPM-300 | ILD-14 (2*) | ILD-14 (2*) | ILD-14 (2*) | 299 (2*) | 299 (2*) | 299 (2*) | 299 (2*) | 87H (2) | 87H (2) | 87 (1) | Brown |
| CPM-350 | ILD-14 (2*) | ILD-14 (2*) | ILD-14 (2*) | 299 (2*) | 299 (2*) | 299 (2*) | 299 (2*) | 87H (2) | 87H (2) | 87 (1) | Brown |
| CPM-400 | ILD-16A (2*) | ILD-16A (2*) | ILD-16A (2*) | 300 (3) | 300 (3) | 300 (3) | 300 (3) | 106H (2) | 106 (1) | 106 (1) | Pink |
| CPM-500 | ILD-16A (2*) | ILD-16A (2*) | ILD-16A (2*) | 300 (3) | 300 (3) | 300 (3) | 300 (3) | 106H (2) | 106 (1) | 106 (1) | Pink |
| CPM-600 | ILD-18 (3) | ILD-18 (3) | ILD-18 (3) | 936 (3) | 936 (3) | 936 (3) | 936 (3) | 115H (3) | 115H (3) | 115 (2) | Yellow |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

*Overlap Crimps Dieless crimp tools must not be used to crimp CPM/CPML adaptors. See stuffer sheet for complete information on tooling.

Tested to UL 486A/B, UL File E62525

Copper Pigtail Adaptor - Dual Rated

Conductor Range: 750kcmil-500kcmil



A

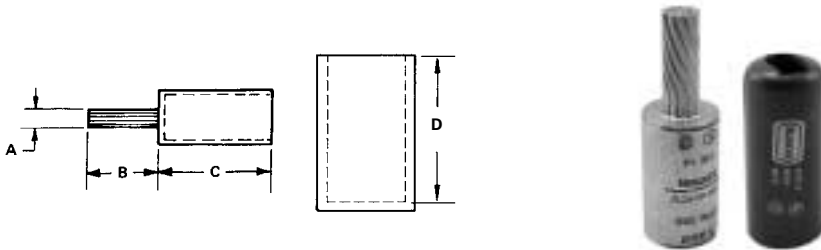
TYPE CPM CPML

Features

- Barrel manufactured from high strength aluminum alloy
- Pigtail manufactured from high conductivity copper
- Chamfered barrel
- UL Listed and CSA Certified for 600 volts, 90° C
- Clearly marked with wire size and die index for ILSCO tools, proper number and location of crimps
- Prefilled with DE-OX
- Color coded end caps inserted in barrel
- Supplied with insulating cover
- Rated for full ampacity of incoming conductor

Benefits

- Allows insertion into equipment supplied with either copper or aluminum connectors
- Provides maximum conductivity and excellent crimping characteristics
- Provides easy conductor insertion
- Ensures reliability for copper and aluminum conductors
- Provides easy identification and tooling recommendation
- Prevents oxides from forming
- Prevents foreign materials from entering the connector prior to usage and color code identifies the proper compression die
- Eliminates taping



| Catalog Number | Wire Range | Die Color | Copper Pin Size | Dimensions | | | | O.D. | I.D. |
|----------------|-------------------|-----------|-----------------|------------|---|--------|---------|-------|--------|
| | | | | A | B | C | Cover D | | |
| CPM-750 | 750kcmil-700kcmil | Yellow | 500kcmil | 13/16 | 2 | 2-3/4 | 3-3/32 | 1-1/2 | 1-1/32 |
| CPML-500 | 500kcmil | Pink | 350kcmil | 11/16 | 3 | 2-3/32 | 2-13/32 | 1-3/8 | 55/64 |
| CPML-600 | 600kcmil | Yellow | 350kcmil | 11/16 | 3 | 2-3/4 | 3-3/32 | 1-1/2 | 59/64 |
| CPML-750 | 750kcmil-700kcmil | Yellow | 500kcmil | 13/16 | 3 | 2-3/4 | 3-3/32 | 1-1/2 | 1-1/32 |

Tooling Information

| Catalog Number | ILSCO | | | Burdry | | | | Thomas & Betts | | | Color Code |
|----------------|---|--|-------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|---|--|---|------------|
| | ILC-12-N ILC-12H-N Die No. No. of Crimps | ILCB-12-N ILCB-12-LIO Die No. No. of Crimps | ILC-15H Die No. No. of Crimps | Y-46 Die Index No. of Crimps | Y-35 Die Index No. of Crimps | Y-39 Die Index No. of Crimps | Y-45 Die Index No. of Crimps | 13642 12 Ton Die Index No. of Crimps | TBM 15 15 Ton Die Index No. of Crimps | 21940 40 Ton Die Index No. of Crimps | |
| CPM-750 | ILD-18 (3) | ILD-18 (3) | ILD-18 (3) | 936 (3) | 936 (3) | 936 (3) | 936 (3) | 115H (3) | 115H (3) | 115 (2) | Yellow |
| CPML-500 | ILD-16A (2*) | ILD-16A (2*) | ILD-16A (2*) | 300 (3) | 300 (3) | 300 (3) | 300 (3) | 106H (2) | 106 (1) | 106 (1) | Pink |
| CPML-600 | ILD-18 (3*) | ILD-18 (3*) | ILD-18 (3*) | 936 (3) | 936 (3) | 936 (3) | 936 (3) | 115H (3) | 115H (3) | 115 (2) | Yellow |
| CPML-750 | ILD-18 (3*) | ILD-18 (3*) | ILD-18 (3*) | 936 (3) | 936 (3) | 936 (3) | 936 (3) | 115H (3) | 115H (3) | 115 (2) | Yellow |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

*Overlap Crimps

Dieless crimp tools must not be used to crimp CPM/CPML adaptors.

See stuffer sheet for complete information on tooling.

Tested to UL 486A/B, UL File E62525

Aluminum Pigtail Adaptor

Dual Rated - Conductor Range: 2/0-#6

TYPE ACM

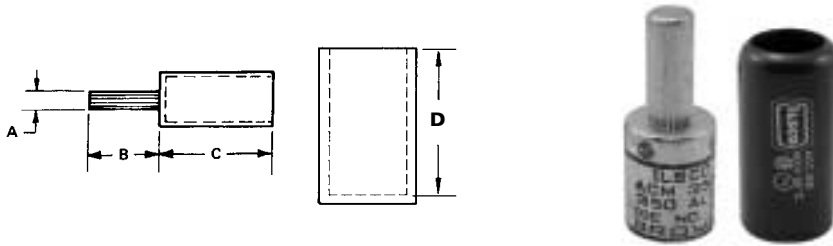
Features

- Manufactured from high strength aluminum alloy
- Pin is knurled
- Chamfered barrel
- UL Listed and CSA Certified for 600 volts, 90° C
- Clearly marked with wire size and die index for ILSCO tools, proper number and location of crimps
- Prefilled with DE-OX
- Color coded end caps inserted in barrel
- Supplied with insulating cover

Benefits

- Provides maximum conductivity and excellent crimping characteristics
- Permits greater surface contact
- Provides easy conductor insertion
- Ensures reliability for aluminum or copper conductors
- Provides easy identification and tooling recommendation
- Prevents oxides from forming
- Prevents foreign materials from entering the connector prior to usage and color code identifies the proper compression die
- Eliminates taping

A



| Catalog Number | Wire Size | Die Color | Pin Size | Dimensions | | | | O.D. | I.D. |
|----------------|-----------|-----------|----------|------------|-------|---------|-----------|-------|-------|
| | | | | A | B | C | D (cover) | | |
| ACM-6 | 6 | Tan | #4 | 7/32 | 11/16 | 1-13/64 | 1-3/4 | 39/64 | 3/16 |
| ACM-4 | 4 | Tan | #4 | 1/4 | 11/16 | 1-13/64 | 1-3/4 | 39/64 | 1/4 |
| ACM-2 | 2 | Tan | #4 | 1/4 | 11/16 | 1-13/64 | 1-3/4 | 39/64 | 5/16 |
| ACM-1 | 1 | Tan | #3 | 17/64 | 27/32 | 1-13/64 | 1-3/4 | 39/64 | 23/64 |
| ACM-1/0 | 1/0 | White | #2 | 19/64 | 27/32 | 1-3/8 | 2 | 55/64 | 25/64 |
| ACM-2/0 | 2/0 | White | #1 | 11/32 | 27/32 | 1-3/8 | 2 | 55/64 | 7/16 |

Tooling Information

| Catalog Number | ILSCO | | | | Burdry | | | | | | Thomas & Betts | | Color Code |
|----------------|---|--|-------------------------------------|--------------------------------------|---|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------------|---|--|------------|
| | ILC-12-N ILC-12H-N Die No. No. of Crimps | ILCB-12-N ILCB-12-LIO Die No. No. of Crimps | ILC-15H Die No. No. of Crimps | IDT-12-N Die No. No. of Crimps | Y750 Family Die Index No. of Crimps | Y-35 Die Index No. of Crimps | Y-39 Die Index No. of Crimps | Y-45 Die Index No. of Crimps | Y-46 Die Index No. of Crimps | Y644M Dieless No. of Crimps | 13642 12 Ton Die Index No. of Crimps | 13100A 15 Ton Die Index No. of Crimps | |
| ACM-6 | ILD-8 (1) | ILD-8 (1) | ILD-8 (1) | (1) | 296 (1) | 296 (1) | 296 (1) | 296 (1) | 296 (1) | (1) | 45H Gold (2) | 45H Gold (2) | Tan |
| ACM-4 | ILD-8 (1) | ILD-8 (1) | ILD-8 (1) | (1) | 296 (1) | 296 (1) | 296 (1) | 296 (1) | 296 (1) | (1) | 45H Gold (2) | 45H Gold (2) | Tan |
| ACM-2 | ILD-8 (1) | ILD-8 (1) | ILD-8 (1) | (1) | 296 (1) | 296 (1) | 296 (1) | 296 (1) | 296 (1) | (1) | 45H Gold (2) | 45H Gold (2) | Tan |
| ACM-1 | ILD-8 (1) | ILD-8 (1) | ILD-8 (1) | (1) | 296 (1) | 296 (1) | 296 (1) | 296 (1) | 296 (1) | (1) | 45H Gold (2) | 45H Gold (2) | Tan |
| ACM-1/0 | ILD-12 (1) | ILD-12 (1) | ILD-12 (1) | (1) | 298 (2*) | 298 (2*) | 298 (2*) | 298 (2*) | 298 (2*) | (1) | 66H (2) | 66H (2) | White |
| ACM-2/0 | ILD-12 (1) | ILD-12 (1) | ILD-12 (1) | (1) | 298 (2*) | 298 (2*) | 298 (2*) | 298 (2*) | 298 (2*) | (1) | 66H (2) | 66H (2) | White |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

*Overlap Crimps

See stuffer sheet for complete information on tooling. Tested to UL 486A/B, UL File E62525

Aluminum Pigtail Adaptor

Dual Rated - Conductor Range: 400kcmil-3/0

A

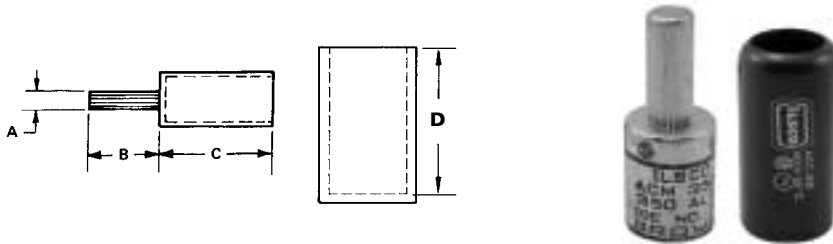
TYPE ACM

Features

- Manufactured from high strength aluminum alloy
- Pin is knurled
- Chamfered barrel
- UL Listed and CSA Certified for 600 volts, 90° C
- Clearly marked with wire size and die index for ILSCO tools, proper number and location of crimps
- Prefilled with DE-OX
- Color coded end caps inserted in barrel
- Supplied with insulating cover

Benefits

- Provides maximum conductivity and excellent crimping characteristics
- Permits greater surface contact
- Provides easy conductor insertion
- Ensures reliability for aluminum or copper conductors
- Provides easy identification and tooling recommendation
- Prevents oxides from forming
- Prevents foreign materials from entering the connector prior to usage and color code identifies the proper compression die
- Eliminates taping



| Catalog Number | Wire Size | Die Color | Pin Size | Dimensions | | | | O.D. | I.D. |
|----------------|-----------|-----------|----------|------------|---------|---------|-----------|---------|-------|
| | | | | A | B | C | D (cover) | | |
| ACM-3/0 | 3/0 | White | 1/0 | 3/8 | 1-7/32 | 1-3/8 | 2 | 55/64 | 1/2 |
| ACM-4/0 | 4/0 | White | 2/0 | 27/64 | 1-7/32 | 1-3/8 | 2 | 55/64 | 35/64 |
| ACM-250 | 250kcmil | Brown | 3/0 | 15/32 | 1-7/32 | 1-13/32 | 2-1/4 | 1-7/64 | 39/64 |
| ACM-300 | 300kcmil | Brown | 4/0 | 17/32 | 1-11/32 | 1-13/32 | 2-1/4 | 1-7/64 | 21/32 |
| ACM-350 | 350kcmil | Brown | 250kcmil | 37/64 | 1-11/32 | 1-13/32 | 2-1/4 | 1-7/64 | 23/32 |
| ACM-400 | 400kcmil | Pink | 300kcmil | 5/8 | 1-39/64 | 2-1/32 | 3-1/4 | 1-21/64 | 49/64 |

Tooling Information

| Catalog Number | ILSCO | | | | Burdyn | | | | | | Thomas & Betts | | Color Code |
|----------------|---|--|-------------------------------------|--------------------------------------|---|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------------|---|--|------------|
| | ILC-12-N ILC-12H-N Die No. No. of Crimps | ILCB-12-N ILCB-12-LIO Die No. No. of Crimps | ILC-15H Die No. No. of Crimps | IDT-12-N Die No. No. of Crimps | Y750 Family Die Index No. of Crimps | Y-35 Die Index No. of Crimps | Y-39 Die Index No. of Crimps | Y-45 Die Index No. of Crimps | Y-46 Die Index No. of Crimps | Y644M Dieless No. of Crimps | 13642 12 Ton Die Index No. of Crimps | 13100A 15 Ton Die Index No. of Crimps | |
| ACM-3/0 | ILD-12 (1) | ILD-12 (1) | ILD-12 (1) | (1) | 298 (2*) | 298 (2*) | 298 (2*) | 298 (2*) | 298 (2*) | (1) | 66H (2) | 66H (2) | White |
| ACM-4/0 | ILD-12 (1) | ILD-12 (1) | ILD-12 (1) | (1) | 298 (2*) | 298 (2*) | 298 (2*) | 298 (2*) | 298 (2*) | (1) | 66H (2) | 66H (2) | White |
| ACM-250 | ILD-14 (1) | ILD-14 (1) | ILD-14 (1) | (1) | 299 (2*) | 299 (2*) | 299 (2*) | 299 (2*) | 299 (2*) | (1) | 87H (2) | 87H (2) | Brown |
| ACM-300 | ILD-14 (1) | ILD-14 (1) | ILD-14 (1) | (1) | 299 (2*) | 299 (2*) | 299 (2*) | 299 (2*) | 299 (2*) | (1) | 87H (2) | 87H (2) | Brown |
| ACM-350 | ILD-14 (1) | ILD-14 (1) | ILD-14 (1) | (1) | 299 (2*) | 299 (2*) | 299 (2*) | 299 (2*) | 299 (2*) | (1) | 87H (2) | 87H (2) | Brown |
| ACM-400 | ILD-16A (2) | ILD-16A (2) | ILD-16A (2) | (1) | 300 (3) | 300 (3) | 300 (3) | 300 (3) | 300 (3) | (1) | 99H (3) | 99H (3) | Pink |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

*Overlap Crimps

See stuffer sheet for complete information on tooling.

Tested to UL 486A/B, UL File E62525

TYPE ACM

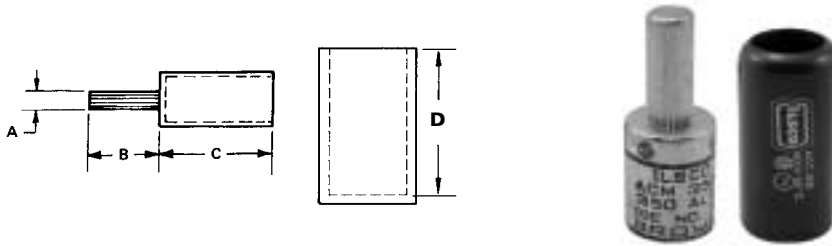
Features

- Manufactured from high strength aluminum alloy
- Pin is knurled
- Chamfered barrel
- UL Listed and CSA Certified for 600 volts, 90° C
- Clearly marked with wire size and die index for ILSCO tools, proper number and location of crimps
- Prefilled with DE-OX
- Color coded end caps inserted in barrel
- Supplied with insulating cover

Benefits

- Provides maximum conductivity and excellent crimping characteristics
- Permits greater surface contact
- Provides easy conductor insertion
- Ensures reliability for aluminum or copper conductors
- Provides easy identification and tooling recommendation
- Prevents oxides from forming
- Prevents foreign materials from entering the connector prior to usage and color code identifies the proper compression die
- Eliminates taping

A



| Catalog Number | Wire Size | Die Color | Pin Size | Dimensions | | | | O.D. | I.D. |
|----------------|-------------------|-----------|----------|------------|---------|--------|-----------|---------|--------|
| | | | | A | B | C | D (cover) | | |
| ACM-500 | 500kcmil | Pink | 350kcmil | 11/16 | 1-39/64 | 2-1/32 | 3-1/4 | 1-21/64 | 55/64 |
| ACM-600 | 600kcmil | Yellow | 400kcmil | 47/64 | 1-41/64 | 2-1/32 | 3-1/4 | 1-15/32 | 59/64 |
| ACM-750+ | 750kcmil-700kcmil | Yellow | 500kcmil | 13/16 | 1-49/64 | 2-1/32 | 3-1/4 | 1-15/32 | 1-1/32 |

+ Coverage for 900 compact aluminum when using HK121D & EK121D tools only.

Tooling Information

| Catalog Number | ILSCO | | | | Burdny | | | | | | Thomas & Betts | | Color Code |
|----------------|---|--|-------------------------------------|--------------------------------------|---|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------------|---|--|------------|
| | ILC-12-N ILC-12H-N Die No. No. of Crimps | ILCB-12-N ILCB-12-LIO Die No. No. of Crimps | ILC-15H Die No. No. of Crimps | IDT-12-N Die No. No. of Crimps | Y750 Family Die Index No. of Crimps | Y-35 Die Index No. of Crimps | Y-39 Die Index No. of Crimps | Y-45 Die Index No. of Crimps | Y-46 Die Index No. of Crimps | Y644M Dieless No. of Crimps | 13642 12 Ton Die Index No. of Crimps | 13100A 15 Ton Die Index No. of Crimps | |
| ACM-500 | ILD-16A (2) | ILD-16A (2) | ILD-16A (2) | (1) | 300 (3) | 300 (3) | 300 (3) | 300 (3) | 300 (3) | (1) | 99H (3) | 99H (3) | Pink |
| ACM-600 | ILD-18 (3) | ILD-18 (3) | ILD-18 (3) | (1) | 936 (3) | 936 (3) | 936 (3) | 936 (3) | 936 (3) | (1) | 115H (3) | 115H (3) | Yellow |
| ACM-750+ | ILD-18 (3) | ILD-18 (3) | ILD-18 (3) | (1) | 936 (3) | 936 (3) | 936 (3) | 936 (3) | 936 (3) | (1) | 115H (3) | 115H (3) | Yellow |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

*Overlap Crimps

See stuffer sheet for complete information on tooling.

Tested to UL 486A/B, UL File E62525

+ Additionally rated by UL for use with 900 kcmil compact aluminum wire when using Greenlee HK121D or EK121D dieless crimp tool with 1 crimp.

Aluminum Offset Pigtail Adaptor

Dual Rated - Conductor Range: 300kcmil-2/0

A

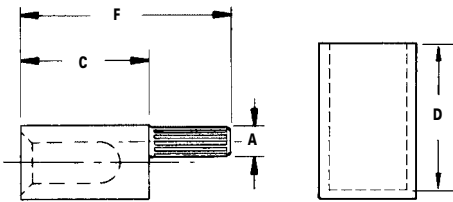
TYPE ACO

Features

- Manufactured from high strength aluminum alloy
- Pin is knurled
- Pin is off center
- Chamfered barrel
- UL Listed and CSA Certified for 600 volts, 90° C
- Clearly marked with wire size and die index for ILSCO tools, proper number and location of crimps
- Prefilled with DE-OX
- Color coded end caps inserted in barrel
- Supplied with insulating cover

Benefits

- Provides maximum conductivity and excellent crimping characteristics
- Permits greater surface contact
- Allows connectors to be rotated for parallel applications. Multiple conductor lugs hole spacing does NOT permit insertion of straight pin connectors
- Provides easy conductor insertion
- Ensures reliability for aluminum or copper conductors
- Provides easy identification and tooling recommendation
- Prevents oxides from forming
- Prevents foreign materials from entering the connector prior to usage and color code identifies the proper compression die
- Eliminates taping



| Catalog Number | Wire Size | Die Color Code | Die Index | Pin Size | Dimensions | | | | O.D. | I.D. |
|----------------|-----------|----------------|-----------|----------|------------|---------|-------|-----------|--------|-------|
| | | | | | F | C | A | D (cover) | | |
| ACO-2/0 | 2/0 | White | 12 | #1 | 2-7/32 | 1-3/8 | 11/32 | 2 | 55/64 | 7/16 |
| ACO-3/0 | 3/0 | White | 12 | 1/0 | 2-19/32 | 1-3/8 | 3/8 | 2 | 55/64 | 1/2 |
| ACO-4/0 | 4/0 | White | 12 | 2/0 | 2-19/32 | 1-3/8 | 27/64 | 2 | 55/64 | 35/64 |
| ACO-250 | 250kcmil | Brown | 14 | 3/0 | 2-5/8 | 1-13/32 | 15/32 | 2-1/4 | 1-7/64 | 19/32 |
| ACO-300 | 300kcmil | Brown | 14 | 4/0 | 2-3/4 | 1-13/32 | 17/32 | 2-1/4 | 1-7/64 | 21/32 |

Cover and connector are packaged together (ONLY).

Tooling Information

| Catalog Number | ILSCO | | | | Burdny | | | | | | Thomas & Betts | | Color Code |
|----------------|---|--|-------------------------------------|--------------------------------------|---|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------------|---|--|------------|
| | ILC-12-N ILC-12H-N Die No. No. of Crimps | ILCB-12-N ILCB-12-LIO Die No. No. of Crimps | ILC-15H Die No. No. of Crimps | IDT-12-N Die No. No. of Crimps | Y750 Family Die Index No. of Crimps | Y-35 Die Index No. of Crimps | Y-39 Die Index No. of Crimps | Y-45 Die Index No. of Crimps | Y-46 Die Index No. of Crimps | Y644M Dieless No. of Crimps | 13642 12 Ton Die Index No. of Crimps | 13100A 15 Ton Die Index No. of Crimps | |
| ACO-2/0 | ILD-12 (1) | ILD-12 (1) | ILD-12 (1) | (1) | 298 (2*) | 298 (2*) | 298 (2*) | 298 (2*) | 298 (2*) | (1) | 66H (2) | 66 (2) | White |
| ACO-3/0 | ILD-12 (1) | ILD-12 (1) | ILD-12 (1) | (1) | 298 (2*) | 298 (2*) | 298 (2*) | 298 (2*) | 298 (2*) | (1) | 66H (2) | 66 (2) | White |
| ACO-4/0 | ILD-12 (1) | ILD-12 (1) | ILD-12 (1) | (1) | 298 (2*) | 298 (2*) | 298 (2*) | 298 (2*) | 298 (2*) | (1) | 66H (2) | 66 (2) | White |
| ACO-250 | ILD-14 (1) | ILD-14 (1) | ILD-14 (1) | (1) | 299 (2*) | 299 (2*) | 299 (2*) | 299 (2*) | 299 (2*) | (1) | 87H (2) | 87 (2) | Brown |
| ACO-300 | ILD-14 (1) | ILD-14 (1) | ILD-14 (1) | (1) | 299 (2*) | 299 (2*) | 299 (2*) | 299 (2*) | 299 (2*) | (1) | 87H (2) | 87 (2) | Brown |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* Overlap Crimps

See stuffer sheet for complete information on tooling.

Tested to UL 486A/B, UL File E62525

Aluminum Offset Pigtail Adaptor

Dual Rated

Conductor Range: 1000kcmil-350kcmil

TYPE ACO

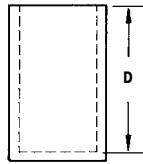
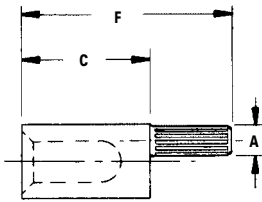
Features

- Manufactured from high strength aluminum alloy
- Pin is knurled
- Pin is off center
- Chamfered barrel
- UL Listed and CSA Certified for 600 volts, 90° C
- Clearly marked with wire size and die index for ILSCO tools, proper number and location of crimps
- Prefilled with DE-OX
- Color coded end caps inserted in barrel
- Supplied with insulating cover

Benefits

- Provides maximum conductivity and excellent crimping characteristics
- Permits greater surface contact
- Allows connectors to be rotated for parallel applications. Multiple conductor lugs hole spacing does NOT permit insertion of straight pin connectors
- Provides easy conductor insertion
- Ensures reliability for aluminum or copper conductors
- Provides easy identification and tooling recommendation
- Prevents oxides from forming
- Prevents foreign materials from entering the connector prior to usage and color code identifies the proper compression die
- Eliminates taping

A



| Catalog Number | Wire Range | Die Color Code | Die Index | Pin Size | Dimensions | | | | O.D. | I.D. |
|----------------|--------------------|----------------|-----------|----------|------------|---------|-------|-----------|---------|--------|
| | | | | | F | C | A | D (cover) | | |
| ACO-350 | 350kcmil | Brown | 14 | 250kcmil | 2-3/4 | 1-13/32 | 37/64 | 2-1/4 | 1-7/64 | 23/32 |
| ACO-500 | 500kcmil | Pink | 16A | 350kcmil | 3-5/8 | 2-1/32 | 11/16 | 3-1/4 | 1-21/64 | 55/64 |
| ACO-600 | 600kcmil | Yellow | 18 | 400kcmil | 3-43/64 | 2-1/32 | 47/64 | 3-1/4 | 1-15/32 | 59/64 |
| ACO-750+ | 750kcmil-700kcmil | Yellow | 18 | 500kcmil | 3-51/64 | 2-1/32 | 13/16 | 3-1/4 | 1-15/32 | 1-1/32 |
| ACO-1000* | 1000kcmil-750kcmil | - | - | 600kcmil | 4-1/32 | 2-1/32 | 29/32 | - | 1-45/64 | 1-3/16 |

Cover and connector are packaged together (ONLY).

+ Coverage for 900 compact aluminum when using HK12ID & EK12ID tools only.

* Not supplied with cover

Tooling Information

| Catalog Number | ILSCO | | | | Burdny | | | | | | Thomas & Betts | | Color Code |
|----------------|---|--|-------------------------------------|--------------------------------------|---|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------------|---|--|------------|
| | ILC-12-N ILC-12H-N Die No. No. of Crimps | ILCB-12-N ILCB-12-LIO Die No. No. of Crimps | ILC-15H Die No. No. of Crimps | IDT-12-N Die No. No. of Crimps | Y750 Family Die Index No. of Crimps | Y-35 Die Index No. of Crimps | Y-39 Die Index No. of Crimps | Y-45 Die Index No. of Crimps | Y-46 Die Index No. of Crimps | Y644M Dieless No. of Crimps | 13642 12 Ton Die Index No. of Crimps | 13100A 15 Ton Die Index No. of Crimps | |
| ACO-350 | ILD-14 (1) | ILD-14 (1) | ILD-14 (1) | (1) | 299 (2*) | 299 (2*) | 299 (2*) | 299 (2*) | 299 (2*) | (1) | 87H (2) | 87 (2) | Brown |
| ACO-500 | ILD-16A (2) | ILD-16A (2) | ILD-16A (2) | (1) | 300 (3) | 300 (3) | 300 (3) | 300 (3) | 300 (3) | (1) | 99H (3) | 99H (3) | Pink |
| ACO-600 | ILD-18 (3) | ILD-18 (3) | ILD-18 (3) | (1) | 936 (3) | 936 (3) | 936 (3) | 936 (3) | 936 (3) | (1) | 115H (3) | 115H (3) | Yellow |
| ACO-750+ | ILD-18 (3) | ILD-18 (3) | ILD-18 (3) | (1) | 936 (3) | 936 (3) | 936 (3) | 936 (3) | 936 (3) | (1) | 115H (3) | 115H (3) | Yellow |
| ACO-1000 | - | - | - | (1) | - | - | - | - | - | (1) | - | - | - |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* Overlap Crimps

See stuffer sheet for complete information on tooling.

Tested to UL 486A/B, UL File E62525

+ Additionally rated by UL for use with 900 kcmil compact aluminum wire when using Greenlee HK12ID or EK12ID dieless crimp tool with 1 crimp.

Aluminum 90° Pigtail Adaptor

Dual Rated

Conductor Range: 500kcmil-350kcmil

A

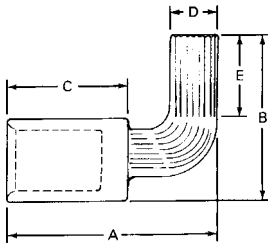
TYPE ACO-90

Features

- Manufactured from high strength aluminum alloy
- Pin is bent
- Pin is knurled
- Chamfered barrel
- UL Listed and CSA Certified for 600 volts, 90° C
- Clearly marked with wire size and die index for ILSCO tools, proper number and location of crimps
- Prefilled with DE-OX
- Color coded end caps inserted in barrel
- Supplied with insulating cover

Benefits

- Provides maximum conductivity and excellent crimping characteristics
- Eliminates the need to bend the conductor. Designed for use in tight applications where room for the required bending radius of the wire is not available
- Permits greater surface contact
- Provides easy conductor insertion
- Ensures reliability for aluminum or copper conductors
- Provides easy identification and tooling recommendation
- Prevents oxides from forming
- Prevents foreign materials from entering the connector prior to usage and color code identifies the proper compression die
- Eliminates taping



| Catalog Number | Wire Range | Die Color Code | Die Index | Pin Size | A | B | C | D | E | Cover | O.D. | I.D. |
|----------------|------------|----------------|-----------|----------|---------|---------|--------|-------|---------|-------|---------|-------|
| ACO-90-350 | 350kcmil | Brown | 14 | 250kcmil | 2-31/64 | 2-11/16 | 1-9/64 | 9/16 | 1-21/64 | 2-1/4 | 1-7/64 | 23/32 |
| ACO-90-500 | 500kcmil | Pink | 16A | 350kcmil | 3-19/64 | 3-11/64 | 2-1/32 | 11/16 | 1-39/64 | 3-1/4 | 1-21/64 | 55/64 |

Cover & Connector are packaged together (ONLY).

Tooling Information

| Catalog Number | ILSCO | | | | Burdny | | | | | | Thomas & Betts | | Color Code |
|----------------|---|--|-------------------------------------|--------------------------------------|---|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------------|---|--|------------|
| | ILC-12-N ILC-12H-N Die No. No. of Crimps | ILCB-12-N ILCB-12-LIO Die No. No. of Crimps | ILC-15H Die No. No. of Crimps | IDT-12-N Die No. No. of Crimps | Y750 Family Die Index No. of Crimps | Y-35 Die Index No. of Crimps | Y-39 Die Index No. of Crimps | Y-45 Die Index No. of Crimps | Y-46 Die Index No. of Crimps | Y644M Dieless No. of Crimps | 13642 12 Ton Die Index No. of Crimps | 13100A 15 Ton Die Index No. of Crimps | |
| ACO-90-350 | ILD-14 (1) | ILD-14 (1) | ILD-14 (2) | (1) | 299 (2*) | 299 (2*) | 299 (2*) | 299 (2*) | 299 (2*) | (1) | 87H (2) | 87 (2) | Brown |
| ACO-90-500 | ILD-16A (2) | ILD-16A (2) | ILD-16A (2) | (1) | 300 (3) | 300 (3) | 300 (3) | 300 (3) | 300 (3) | (1) | 99H (3) | 99H (3) | Pink |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* Overlap Crimps

See stuffer sheet for complete information on tooling.

Tested to UL 486A/B, UL File E62525

Aluminum Compression Lugs

Dual Rated - Narrow Tang

Conductor Range: 600kcmil-4

TYPE IACL

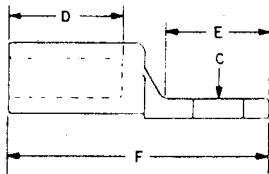
Features

- Manufactured from high strength aluminum alloy
- Four OD sizes accommodate a wire range from #4 to 600 kcmil
- Chamfered barrel
- Prefilled with DE-OX
- Color coded end caps inserted in barrel and roll marked with die number and number of crimps
- Electro tin plated
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90° C

Benefits

- Provides maximum conductivity and excellent crimping characteristics
- Requires only four installation dies to crimp eleven conductor sizes. Tang width remains constant within an OD size and is designed to fit transformer pads.
- Provides easy conductor insertion
- Prevents oxides from forming
- Prevents foreign materials from entering the connector prior to usage and color code identifies the proper compression die
- Provides low contact resistance
- Ensures reliability
- Application versatility

A



| Catalog Number | Wire Size | Wire Range When Installed With IDT-12-N Tool | Tang Width | Bolt Size | Dimensions | | | | Ilsco Die Index | Die Color Code |
|----------------|-----------|--|------------|-----------|------------|--------|---------|------|-----------------|----------------|
| | | | | | D | E | F | C | | |
| IACL-4 | 4 | 4-6 | 29/32 | 1/2 | 1-7/16 | 1-3/32 | 3 | 9/16 | 9 | Orange |
| IACL-2 | 2 | 2-6 | 29/32 | 1/2 | 1-7/16 | 1-3/32 | 3 | 9/16 | 9 | Orange |
| IACL-1/0 | 1/0 | 1/0-1 | 29/32 | 1/2 | 1-7/16 | 1-3/32 | 3 | 9/16 | 9 | Orange |
| IACL-2/0 | 2/0 | 2/0-1 | 29/32 | 1/2 | 1-7/16 | 1-9/32 | 3-3/16 | 9/16 | 12 | White |
| IACL-3/0 | 3/0 | 3/0-1 | 29/32 | 1/2 | 1-7/16 | 1-9/32 | 3-3/16 | 9/16 | 12 | White |
| IACL-4/0 | 4/0 | 4/0-1 | 29/32 | 1/2 | 1-7/16 | 1-9/32 | 3-3/16 | 9/16 | 12 | White |
| IACL-250 | 250kcmil | 250kcmil-1/0 | 29/32 | 1/2 | 1-7/16 | 1-9/32 | 3-3/16 | 9/16 | 12 | White |
| IACL-300 | 300kcmil | 300kcmil-2/0 | 1-1/4 | 1/2 | 1-3/4 | 1-5/16 | 3-11/16 | 9/16 | 14 | Blue |
| IACL-350 | 350kcmil | 350kcmil-3/0 | 1-1/4 | 1/2 | 1-3/4 | 1-5/16 | 3-11/16 | 9/16 | 14 | Blue |
| IACL-500 | 500kcmil | 500kcmil-4/0 | 1-1/4 | 1/2 | 1-3/4 | 1-5/16 | 3-11/16 | 9/16 | 14 | Blue |
| IACL-600 | 600kcmil | 600kcmil-250kcmil | 1-19/32 | 1/2 | 3-3/16 | 1-5/8 | 5-3/4 | 9/16 | 18 | Yellow |

Tooling Information

| Catalog Number | Color | ILSCO | | | | | Burdyn | | | | | | | Thomas & Betts | | | Anderson | |
|----------------|--------|-----------|---------------------------------|--------------------------|---------|---------------------|-----------|------|-----|-----|-----|-----|------|------------------|-----------|--------------------|---------------------|--------------------|
| | | Die Index | ILC-12-N ILC-12H-N 12 Ton | ILCB-12-N ILCB-12-LIO | ILC-15H | IDT-12-N Dieless | Die Index | Y34A | Y35 | Y39 | Y45 | Y46 | Y48B | Y644M Dieless | Die Index | 13642 12 Ton | TBM 15 15 Ton | 21940 40 Ton |
| IACL-4 | Orange | 9 | (3) | (3) | (2) | (1) | 297 | (2) | (2) | (2) | (2) | (2) | (1) | 50 | (2) | (2) | (2) | (2) |
| IACL-2 | Orange | 9 | (3) | (3) | (2) | (1) | 297 | (2) | (2) | (2) | (2) | (2) | (1) | 50 | (2) | (2) | (2) | (2) |
| IACL-1/0 | Orange | 9 | (3) | (3) | (2) | (1) | 297 | (2) | (2) | (2) | (2) | (2) | (1) | 50 | (2) | (2) | (2) | (2) |
| IACL-2/0 | White | 12 | (1) | (1) | (2) | (1) | 324 | (2) | (2) | (2) | (2) | (2) | (1) | 71 | (2) | (2) | (2) | (2) |
| IACL-3/0 | White | 12 | (1) | (1) | (2) | (1) | 324 | (2) | (2) | (2) | (2) | (2) | (1) | 71 | (2) | (2) | (2) | (2) |
| IACL-4/0 | White | 12 | (1) | (1) | (2) | (1) | 324 | (2) | (2) | (2) | (2) | (2) | (1) | 71 | (2) | (2) | (2) | (2) |
| IACL-250 | White | 12 | (1) | (1) | (2) | (1) | 324 | (2) | (2) | (2) | (2) | (2) | (1) | 71 | (2) | (2) | (2) | (2) |
| IACL-300 | Blue | 14 | (2) | (2) | (2) | (1) | 299 | - | (2) | (2) | (2) | (2) | (1) | 87 | (2) | (2) | (2) | (2) |
| IACL-350 | Blue | 14 | (2) | (2) | (2) | (1) | 299 | - | (2) | (2) | (2) | (2) | (1) | 87 | (2) | (2) | (2) | (2) |
| IACL-500 | Blue | 14 | (2) | (2) | (2) | (1) | 299 | - | (2) | (2) | (2) | (2) | (1) | 87 | (2) | (2) | (2) | (2) |
| IACL-600 | Yellow | 18 | (3) | (3) | (3) | (1) | 936 | - | - | (3) | (3) | (3) | (1) | 115 | (3) | (3) | (3) | - |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

See stuffer sheet for complete information on tooling.

Tested to UL 486A/B, UL File E6207

Aluminum Compression Lugs

Dual Rated - Narrow Tang

Conductor Range: 1000kcmil-1/0

A

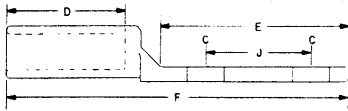
TYPE 2IACL

Features

- Manufactured from high strength aluminum alloy
- Four OD sizes accommodate a wire range from 1/0 to 1000 kcmil
- Chamfered barrel
- Prefilled with DE-OX
- Color coded end caps inserted in barrel and roll marked with die number and number of crimps
- Electro tin plated
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90° C

Benefits

- Provides maximum conductivity and excellent crimping characteristics
- Requires only four installation dies to crimp eleven conductor sizes. Tang width remains constant within an OD size and is designed to fit transformer pads.
- Provides easy conductor insertion
- Prevents oxides from forming
- Prevents foreign materials from entering the connector prior to usage and color code identifies the proper compression die
- Provides low contact resistance
- Ensures reliability
- Application versatility



| Catalog Number | Wire Size | Wire Range When Installed With IDT-12-N Tool | Tang Width | Bolt Size | Dimensions | | | | | IlSCO Die Index | Die Color Code |
|----------------|-----------|--|------------|-----------|------------|-------|--------|---------|-------|-----------------|----------------|
| | | | | | D | E | F | C | J | | |
| 2IACL-1/0 | 1/0 | 1/0-1 | 1 | 1/2 | 1-1/2 | 3-1/4 | 5-3/16 | 9/16(2) | 1-3/4 | 9 | Orange |
| 2IACL-2/0 | 2/0 | 2/0-1 | 1-1/4 | 1/2 | 1-7/8 | 3-1/4 | 5-3/4 | 9/16(2) | 1-3/4 | 12 | White |
| 2IACL-3/0 | 3/0 | 3/0-1 | 1-1/4 | 1/2 | 1-7/8 | 3-1/4 | 5-3/4 | 9/16(2) | 1-3/4 | 12 | White |
| 2IACL-4/0 | 4/0 | 4/0-1 | 1-1/4 | 1/2 | 1-7/8 | 3-1/4 | 5-3/4 | 9/16(2) | 1-3/4 | 12 | White |
| 2IACL-250 | 250kcmil | 250kcmil-1/0 | 1-1/4 | 1/2 | 1-7/8 | 3-1/4 | 5-3/4 | 9/16(2) | 1-3/4 | 12 | White |
| 2IACL-300 | 300kcmil | 300kcmil-2/0 | 1-1/4 | 1/2 | 2-3/8 | 3-1/4 | 6 | 9/16(2) | 1-3/4 | 14 | Blue |
| 2IACL-350 | 350kcmil | 350kcmil-3/0 | 1-1/4 | 1/2 | 2-3/8 | 3-1/4 | 6 | 9/16(2) | 1-3/4 | 14 | Blue |
| 2IACL-500 | 500kcmil | 500kcmil-4/0 | 1-1/4 | 1/2 | 2-3/8 | 3-1/4 | 6 | 9/16(2) | 1-3/4 | 14 | Blue |
| 2IACL-600 | 600kcmil | 600kcmil-250kcmil | 1-39/64 | 1/2 | 3-3/16 | 3-1/4 | 7 | 9/16(2) | 1-3/4 | 18 | Yellow |
| 2IACL-750 | 750kcmil | 750kcmil-500kcmil | 1-39/64 | 1/2 | 3-3/16 | 3-1/4 | 7-1/4 | 9/16(2) | 1-3/4 | 18 | Yellow |
| 2IACL-1000 | 1000kcmil | 1000kcmil-750kcmil | 1-39/64 | 1/2 | 3-3/16 | 3-1/4 | 7-1/4 | 9/16(2) | 1-3/4 | 18 | Yellow |

Tooling Information

| Catalog Number | Color | ILSCO | | | | | Burdyn | | | | | | | | Thomas & Betts | | | Anderson |
|----------------|--------|-----------|---------------------------------|--------------------------|---------|---------------------|-----------|------|-----|-----|-----|-----|------|------------------|----------------|-----------------|------------------|-----------------|
| | | Die Index | ILC-12-N ILC-12H-N 12 Ton | ILCB-12-N ILCB-12-LIO | ILC-15H | IDT-12-N Dieless | Die Index | Y34A | Y35 | Y39 | Y45 | Y46 | Y48B | Y644M Dieless | Die Index | 13642 12 Ton | TBM 15 15 Ton | 21940 40 Ton |
| 2IACL-1/0 | Orange | 9 | (3) | (3) | (2) | (1) | 297 | (2) | (2) | (2) | (2) | (2) | (1) | 50 | (2) | (2) | (2) | (2) |
| 2IACL-2/0 | White | 12 | (1) | (1) | (2) | (1) | 324 | (2) | (2) | (2) | (2) | (2) | (1) | 71 | (2) | (2) | (2) | (2) |
| 2IACL-3/0 | White | 12 | (1) | (1) | (2) | (1) | 324 | (2) | (2) | (2) | (2) | (2) | (1) | 71 | (2) | (2) | (2) | (2) |
| 2IACL-4/0 | White | 12 | (1) | (1) | (2) | (1) | 324 | (2) | (2) | (2) | (2) | (2) | (1) | 71 | (2) | (2) | (2) | (2) |
| 2IACL-250 | White | 12 | (1) | (1) | (2) | (1) | 324 | (2) | (2) | (2) | (2) | (2) | (1) | 71 | (2) | (2) | (2) | (2) |
| 2IACL-300 | Blue | 14 | (2) | (2) | (2) | (1) | 299 | - | (2) | (2) | (2) | (2) | (1) | 87 | (2) | (2) | (2) | (2) |
| 2IACL-350 | Blue | 14 | (2) | (2) | (2) | (1) | 299 | - | (2) | (2) | (2) | (2) | (1) | 87 | (2) | (2) | (2) | (2) |
| 2IACL-500 | Blue | 14 | (2) | (2) | (2) | (1) | 299 | - | (2) | (2) | (2) | (2) | (1) | 87 | (2) | (2) | (2) | (2) |
| 2IACL-600 | Yellow | 18 | (3) | (3) | (3) | (1) | 936 | - | - | (3) | (3) | (3) | (1) | 115 | (3) | (3) | (3) | - |
| 2IACL-750 | Yellow | 18 | (3) | (3) | (3) | (1) | 936 | - | - | (3) | (3) | (3) | (1) | 115 | (3) | (3) | (3) | - |
| 2IACL-1000 | Yellow | 18 | - | - | (3) | (1) | 936 | - | - | (3) | (3) | (3) | (1) | 115 | (3) | (3) | (3) | - |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

See stuffer sheet for complete information on tooling.

Tested to UL 486A/B, UL File E6207

TYPE UCS

Features

- Manufactured from high strength aluminum alloy, 90° C
- Four OD sizes accommodate a wire range from 1000kcmil to #4
- Chamfered barrel
- Prefilled with DE-OX
- Solid barrier in center
- Color coded end caps inserted in barrel

Benefits

- Provides maximum conductivity and excellent crimping characteristics
- Requires only four installation dies to crimp fourteen conductor sizes.
- Provides easy conductor insertion
- Prevents oxides from forming
- Prevents dissimilar metals from coming into contact
- Prevents foreign materials from entering the connector prior to usage and color code identifies the proper compression die



| Catalog Number | Wire Range | Dimensions | | | Installing Dies | Die Index |
|----------------|---------------------|------------|---------|--------|-------------------------------|-----------|
| | | L | O.D. | I.D. | | |
| UCS-4-Z | 4 | 3" | 41/64 | 9/32 | BG, 5/8, 8A | 9 |
| UCS-2-Z | 2 | 3" | 41/64 | 11/32 | BG, 5/8, 8A | 9 |
| UCS-1/0-Z | 1/0 | 3" | 41/64 | 27/64 | BG, 5/8, 8A | 9 |
| UCS-2/0-Z | 2/0 | 4" | 29/32 | 7/16 | 249, 840, TX, 76, 11A | 13 |
| UCS-3/0-Z | 3/0 | 4" | 29/32 | 1/2 | 249, 840, TX, 76, 11A | 13 |
| UCS-4/0-Z | 4/0 | 4" | 29/32 | 9/16 | 249, 840, TX, 76, 11A | 13 |
| UCS-250-Z | 250kcmil | 4" | 29/32 | 19/32 | 249, 840, TX, 76, 11A | 13 |
| UCS-300-Z | 300kcmil | 5" | 1-5/32 | 21/32 | 299, 655, 705, 1-1/8, 13A | 14 |
| UCS-350-Z | 350kcmil | 5" | 1-5/32 | 45/64 | 299, 655, 705, 96, 1-1/8, 13A | 14 |
| UCS-500-Z | 500kcmil | 5" | 1-5/32 | 27/32 | 299, 655, 705, 96, 1-1/8, 13A | 14 |
| UCS-600-Z | 600kcmil | 6" | 1-39/64 | 59/64 | 301, 1-1/2, 140 | 18 |
| UCS-700/750-Z | 750kcmil - 700kcmil | 6" | 1-39/64 | 1-1/32 | 301, 1-1/2, 140, 72H | 18 |
| UCS-1000-Z | 1000kcmil | 7" | 1-39/64 | 1-3/16 | 301, 1-1/2, 140, 72H | 18 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

A

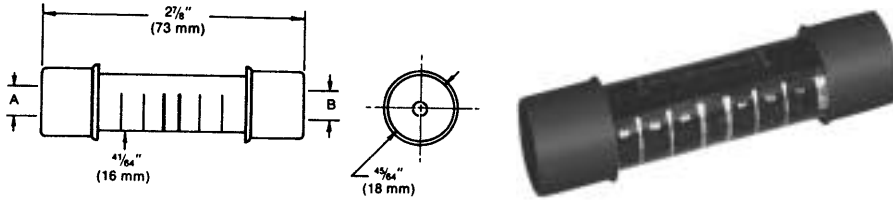
TYPE PICS

Features

- Pre-insulated
- Concave polyethylene end caps
- Dual rated
- Meets ANSI C119.4 requirements
- RUS Listed
- Die Index 5/8 or BG

Benefits

- Fast, easy installation
- Seal out dirt but are easily pierced when inserting conductor
- For use with aluminum-aluminum and aluminum-copper conductors
- Ensures reliability



| Catalog Number | End "A" | | | | | End "B" | | | | | Die Color Code |
|----------------|-----------------|-----------------|----------|-------|------------|-----------------|-----------------|----------|-------|--------|----------------|
| | Conductor Range | | | | Color Code | Conductor Range | | | | | |
| | ACSR | AWG | Diameter | | | ACSR | AWG | Diameter | | | |
| | | | max. | min. | | | max. | min. | | | |
| PICS-61 | - | 6 sol - 8 str | 0.162 | 0.144 | Green | - | 6 sol - 8 str | 0.162 | 0.144 | Green | |
| PICS-62 | 6 | 4 sol - 6 str | 0.204 | 0.184 | Blue | - | 8 sol - 10 str | 0.128 | 0.114 | Brown | |
| PICS-63 | 6 | 4 sol - 6 str | 0.204 | 0.184 | Blue | - | 6 sol - 8 str | 0.162 | 0.144 | Green | |
| PICS-64 | 6 | 4 sol - 6 str | 0.204 | 0.184 | Blue | 6 | 4 sol - 6 str | 0.204 | 0.184 | Blue | |
| PICS-65 | 4 | 2 sol - 3-4 str | 0.258 | 0.213 | Orange | - | 8 sol - 10 str | 0.128 | 0.114 | Brown | |
| PICS-66 | 4 | 2 sol - 3-4 str | 0.258 | 0.213 | Orange | - | 6 sol - 8 str | 0.162 | 0.144 | Green | |
| PICS-67 | 4 | 2 sol - 3-4 str | 0.258 | 0.213 | Orange | 6 | 4 sol - 6 str | 0.204 | 0.184 | Blue | |
| PICS-68 | 4 | 2 sol - 3-4 str | 0.258 | 0.213 | Orange | 4 | 2 sol - 3-4 str | 0.258 | 0.213 | Orange | |
| PICS-70 | 2 | 1-2 str | 0.328 | 0.268 | Red | - | 6 sol - 8 str | 0.162 | 0.144 | Green | |
| PICS-71 | 2 | 1-2 str | 0.328 | 0.268 | Red | 6 | 4 sol - 6 str | 0.204 | 0.184 | Blue | |
| PICS-72 | 2 | 1-2 str | 0.328 | 0.268 | Red | 4 | 2 sol - 3-4 str | 0.258 | 0.213 | Orange | |
| PICS-73 | 2 | 1-2 str | 0.328 | 0.268 | Red | 2 | 1-2 str | 0.328 | 0.268 | Red | |
| PICS-75 | 1/0 | 1/0 | 0.398 | 0.368 | Yellow | 6 | 4 sol - 6 str | 0.204 | 0.184 | Blue | |
| PICS-76 | 1/0 | 1/0 | 0.398 | 0.368 | Yellow | 4 | 2 sol - 3-4 str | 0.258 | 0.213 | Orange | |
| PICS-77 | 1/0 | 1/0 | 0.398 | 0.368 | Yellow | 2 | 2-1 str | 0.328 | 0.268 | Red | |
| PICS-78 | 1/0 | 1/0 | 0.398 | 0.368 | Yellow | - | 1/0 | 0.398 | 0.368 | Yellow | |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

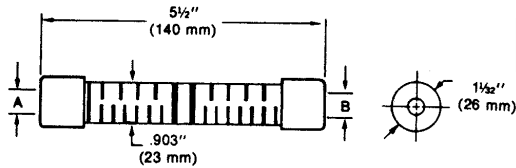
TYPE P840

Features

- Pre-insulated
- Concave polyethylene end caps
- Dual rated
- Meets ANSI C119.4 requirements
- RUS Listed
- Die Index 840

Benefits

- Fast, easy installation
- Seal out dirt but are easily pierced when inserting conductor
- For use with aluminum-aluminum and aluminum-copper conductors
- Ensures reliability



| Catalog Number | End "A" | | | | | End "B" | | | | | Color Code |
|----------------|-----------------|----------------------|----------|-------|------------|-----------------|----------------------|----------|-------|--------|------------|
| | Conductor Range | | | | Color Code | Conductor Range | | | | | |
| | ACSR | AWG | Diameter | | | ACSR | AWG | Diameter | | | |
| | | | max. | min. | | | | max. | min. | | |
| PICS-834 | 1/0 | 2/0 (compact) or 1/0 | 0.398 | 0.365 | Yellow | 4 | 2 sol - 3-4 str | 0.258 | 0.213 | Orange | |
| PICS-835 | 1/0 | 2/0 (compact) or 1/0 | 0.398 | 0.365 | Yellow | 2 | 1-2 str | 0.328 | 0.268 | Red | |
| PICS-836 | 1/0 | 2/0 (compact) or 1/0 | 0.398 | 0.365 | Yellow | 1/0 | 2/0 (compact) or 1/0 | 0.398 | 0.365 | Yellow | |
| PICS-844 | 2/0 | 3/0 (compact) or 2/0 | 0.448 | 0.414 | Gray | 4 | 2 sol - 3-4 str | 0.258 | 0.213 | Orange | |
| PICS-845 | 2/0 | 3/0 (compact) or 2/0 | 0.448 | 0.414 | Gray | 2 | 1-2 str | 0.328 | 0.268 | Red | |
| PICS-846 | 2/0 | 3/0 (compact) or 2/0 | 0.448 | 0.414 | Gray | 1/0 | 2/0 (compact) or 1/0 | 0.398 | 0.365 | Yellow | |
| PICS-847 | 2/0 | 3/0 (compact) or 2/0 | 0.448 | 0.414 | Gray | 2/0 | 3/0 (compact) or 2/0 | 0.448 | 0.414 | Gray | |
| PICS-854 | 3/0 | 4/0 (compact) or 3/0 | 0.502 | 0.464 | Black | 4 | 2 sol - 3-4 str | 0.258 | 0.213 | Orange | |
| PICS-855 | 3/0 | 4/0 (compact) or 3/0 | 0.502 | 0.464 | Black | 2 | 1-2 str | 0.328 | 0.268 | Red | |
| PICS-856 | 3/0 | 4/0 (compact) or 3/0 | 0.502 | 0.464 | Black | 1/0 | 2/0 (compact) or 1/0 | 0.398 | 0.365 | Yellow | |
| PICS-857 | 3/0 | 4/0 (compact) or 3/0 | 0.502 | 0.464 | Black | 2/0 | 3/0 (compact) or 2/0 | 0.448 | 0.414 | Gray | |
| PICS-858 | 3/0 | 4/0 (compact) or 3/0 | 0.502 | 0.464 | Black | 3/0 | 4/0 (compact) or 3/0 | 0.502 | 0.464 | Black | |
| PICS-864 | 4/0 | 4/0 | 0.564 | 0.522 | Pink | 4 | 2 sol - 3-4 str | 0.258 | 0.213 | Orange | |
| PICS-865 | 4/0 | 4/0 | 0.564 | 0.522 | Pink | 2 | 1-2 str | 0.328 | 0.268 | Red | |
| PICS-866 | 4/0 | 4/0 | 0.564 | 0.522 | Pink | 1/0 | 1/0 | 0.398 | 0.365 | Yellow | |
| PICS-867 | 4/0 | 4/0 | 0.564 | 0.522 | Pink | 2/0 | 3/0 (compact) or 2/0 | 0.448 | 0.414 | Gray | |
| PICS-868 | 4/0 | 4/0 | 0.564 | 0.522 | Pink | 3/0 | 4/0 (compact) or 3/0 | 0.502 | 0.464 | Black | |
| PICS-869 | 4/0 | 4/0 | 0.564 | 0.522 | Pink | 4/0 | 4/0 | 0.564 | 0.522 | Pink | |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

A

TYPE AH

Features

- Prefilled with oxide inhibitor
- Color coded
- Manufactured from high strength aluminum alloy
- UL Listed
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90° C

Benefits

- Provides corrosion resistance
- Provides visual recommendation for ILSCO or standard industry tools
- Provides maximum conductivity and excellent crimping characteristics
- Ensures reliability for copper or aluminum conductors
- Application versatility



| Catalog Number | Wire Range | | IlSCO Compression Tool | Die Index | L | W |
|----------------|---|---------------------|------------------------|-----------|------|------|
| | Main | Tap | | | | |
| AH-1 | 1/0 str - 6 str | 1 str - 6 str | ND-58/ND-60 | 0 | 1.62 | 1.78 |
| AH-2 | 4/0 str - 1 str | 1 str - 6 str | ND-58/ND-60 | D3 | 1.88 | 2.31 |
| AH-3 | 4/0 str - 3/0 str | 4/0 str - 3/0 str | ND-58/ND-60 | D3 | 2.50 | 2.50 |
| AH-4 | 4/0 str - 1 str | 2/0 str - 1 str | ND-58/ND-60 | D3 | 2.50 | 2.38 |
| AH-5 | 400kcmil - 4/0 str | 400kcmil - 4/0 str | ILC-15H* | N | 3.50 | 3.09 |
| AH-6 | 500kcmil - 4/0 str | 2/0 str - 6 str | ILC-15H* | N | 2.00 | 2.84 |
| AH-10 | 1000kcmil Compact - 600kcmil AL 750kcmil - 600kcmil CU | 350kcmil - 2/0 str | ILC-15H* | KR | 3.50 | 4.62 |
| AH-11 | 1000kcmil Compact - 600kcmil AL 750kcmil - 600kcmil CU | 600kcmil - 350kcmil | ILC-15H* | KR | 4.62 | 4.75 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

*Other hydraulic tools can be used. See stuffer sheet for complete information on tooling.

Tested to UL 486A/B, UL File E6207

TYPE HT

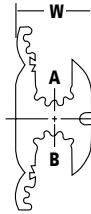
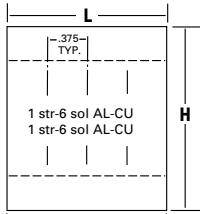
Features

- Serrated interior
- Prefilled with oxide inhibitor
- Installed with industry standard "O" and "D" dies
- Manufactured from high strength aluminum alloy
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90° C

Benefits

- Assures positive mating with cable strands when compressed
- Provides corrosion resistance
- Provides convenient die selection
- Provides maximum conductivity and excellent crimping characteristics
- Application versatility

A



| Catalog Number | Wire Range | | | | | | | | | | Program Number | Connector Die | No. of Crimps | | Dimensions | | |
|----------------|-----------------|-------------------|---------------------|----------------|------------------|-----------------------|-------------------|-------------------|------------------|------------------|----------------|---------------|---------------|-----------|------------|-------|---------|
| | Standard Wire | | | | | | Compact Wire | | | | | | Mech. Tool | Hyd. Tool | L | W | H |
| | A Groove ACSR | str | sol | B Groove ACSR | str | sol | A Groove ACSR | str | B Groove ACSR | str | | | | | | | |
| HT-6 | 2, 3, 4, 6, - | 1, 2, 3, 4, 6, - | 1, 2, 3, 4, 6, - | 2, 3, 4, 6, - | 1, 2, 3, 4, 6, - | 1, 2, 3, 4, 6, - | 1, 2, 3, 4, 6, - | 1, 2, 3, 4, 6, - | 1, 2, 3, 4, 6, - | 1, 2, 3, 4, 6, - | 1 | O | 4 | 2 | 1-1/2 | 23/32 | 1-23/32 |
| HT-8 | 1/0, 1, 2, 3, - | 2/0, 1/0, 1, 2, - | 3/0, 2/0, 1/0, 1, - | 2, 3, 4, 6, - | 1, 2, 3, 4, 6, - | 1/0, 1, 2, 3, 4, 6, - | 2/0, 1/0, 1, 2, - | 2/0, 1/0, 1, 2, - | 1, 2, 3, 4, 6, - | 1, 2, 3, 4, 6, - | 2 | O | 5 | 2 | 1-1/2 | 45/64 | 1-25/32 |
| HT-2 | 2/0, 1/0, - | 3/0, 2/0, - | - | 2, 3, 4, 6, - | 1, 2, 3, 4, 6, - | 1/0, 1, 2, 3, 4, 6, - | 3/0, 2/0, - | 3/0, - | 1, 2, 4, 6, - | 1, 2, 4, 6, - | 3 | D3 | 5 | 2 | 1-7/8 | 13/16 | 2-3/16 |
| HT-4 | 2/0, 1/0, 1, - | 3/0, 2/0, 1/0, - | - | 2/0, 1/0, 1, - | 3/0, 2/0, 1/0, - | - | 3/0, 2/0, 1/0, - | 3/0, 2/0, 1/0, - | 3/0, 2/0, 1/0, - | 3/0, 2/0, 1/0, - | 4 | D3 | 6 | 2 | 1-7/8 | 57/64 | 2-17/64 |
| HT-3 | 4/0, 3/0, - | 4/0, - | - | 2, 3, 4, 6, - | 1, 2, 3, 4, 6, - | 1/0, 1, 2, 3, 4, 6, - | 266, 4/0, - | 266, 250, 4/0, - | 1, 2, 4, 6, - | 1, 2, 4, 6, - | 5 | D3 | 5 | 2 | 1-7/8 | 53/64 | 2-1/4 |
| HT-5 | 4/0, 3/0, - | 4/0, 3/0, - | - | 2/0, 1/0, - | 2/0, 1/0, - | - | 266, 4/0, 3/0, - | 266, 250, 4/0, - | 2/0, 1/0, - | 3/0, 2/0, 1/0, - | 6 | D3 | 7 | 3 | 2-1/4 | 53/64 | 2-3/8 |
| HT-7 | 4/0, 3/0, - | 4/0, 3/0, - | - | 4/0, 3/0, - | 4/0, 3/0, - | - | 266, 4/0, 3/0, - | 266, 250, 4/0, - | 266, 4/0, 3/0, - | 266, 250, 4/0, - | 7 | D3 | 7 | 3 | 2-1/2 | 7/8 | 2-1/2 |

All wire sizes, unless noted otherwise, are American Wire Gauge
Consult factory for tool and die information.

A

TYPE RLT

Features

- UL Listed and CSA certified for direct burial in earth or concrete
- Range taking
- Manufactured from high strength copper alloy
- Prefilled with DE-OX® oxide inhibitor compound and bagged
- Clearly marked with wire size and die index

Benefits

- Ensures reliability
- Reduces inventory
- Provides maximum conductivity and eliminates the possibility of corrosion
- Prevents oxides from forming
- Provides easy identification and tooling recommendations



Fig. 1



Fig. 2



Fig. 3

| Catalog Number | Figure Number | Ground Rod Size | Wire Range | Die Index | Dimensions - in. (mm) | |
|----------------|---------------|-----------------|---------------------|-----------|-----------------------|--------------|
| | | | | | H | L |
| RLT-2 | 1 | 1/2 | 2/0 - 2 | 998/1011 | 1.940 (49.3) | 0.880 (22.4) |
| RLT-3 | 1 | 5/8 | 2/0 - 2 | 998/1011 | 1.970 (50.0) | 0.880 (22.4) |
| RLT-4 | 1 | 3/4 | 2/0 - 2 | 998/1011 | 2.190 (55.6) | 0.880 (22.4) |
| RLT-10 | 1 | 1 | 2/0 - 2 | 998/1011 | 2.440 (62.0) | 0.880 (22.4) |
| RLT-5 | 1 | 1/2 | 250kcmil - 4/0 | 998/1011 | 1.940 (49.3) | 0.880 (22.4) |
| RLT-6 | 1 | 5/8 | 250kcmil - 4/0 | 998/1011 | 2.140 (54.4) | 0.880 (22.4) |
| RLT-7 | 1 | 3/4 | 250kcmil - 4/0 | 998/1011 | 2.190 (55.6) | 0.880 (22.4) |
| RLT-11 | 1 | 1 | 250kcmil - 4/0 | 998/1011 | 2.570 (65.3) | 0.880 (22.4) |
| RLT-8 | 1 | 5/8 | 500kcmil - 300kcmil | 998/1011 | 2.140 (54.4) | 0.880 (22.4) |
| RLT-9 | 1 | 3/4 | 500kcmil - 300kcmil | 998/1011 | 2.440 (62.0) | 0.880 (22.4) |
| RLT-12 | 1 | 1 | 500kcmil - 300kcmil | 998/1011 | 2.680 (68.1) | 0.880 (22.4) |
| RLT-13 | 2 | 5/8 | 2 SOL | 998/1011 | 2.140 (54.4) | 0.880 (22.4) |
| RLT-4TN* | 3 | 3/4 | 2/0 - 2 | 998/1011 | 2.191 (55.7) | 0.875 (22.2) |
| RLT-7TN* | 3 | 3/4 | 250kcmil - 4/0 | 998/1011 | 2.191 (55.7) | 0.875 (22.2) |
| RLT-8TN* | 3 | 5/8 | 500kcmil - 300kcmil | 998/1011 | 2.142 (54.4) | 0.875 (22.2) |
| RLT-9TN* | 3 | 3/4 | 500kcmil - 300kcmil | 998/1011 | 2.432 (61.8) | 0.875 (22.2) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Tested to UL 467, UL File E34440

* All suffix "TN" parts electro-tin plated; to be specifically used with galvanized steel ground rod. The ground rod hole diameter is larger to suit galvanized steel.

TYPE RLT

Features

- UL Listed and CSA certified for direct burial in earth or concrete
- Range taking
- Manufactured from high strength copper alloy
- Prefilled with DE-OX® oxide inhibitor compound and bagged
- Clearly marked with wire size and die index

Benefits

- Ensures reliability
- Reduces inventory
- Provides maximum conductivity and eliminates the possibility of corrosion
- Prevents oxides from forming
- Provides easy identification and tooling recommendations

A

| Catalog Number | ILSCO | | | | Competitor's Tooling | | | | | | | |
|----------------|---|----------|-----------------------------|----------|---|----------|-------------------------------------|----------|--|----------|---------------------------------------|----------|
| | Hydraulic Tools | | | | Burdny | | | | Thomas & Betts | | | |
| | 12-Ton | | 15-Ton | | Hydraulic Tools | | Hydraulic Tools | | Hydraulic Tools | | Hydraulic Tools | |
| | ILC-12-N, ILC-12H-N, ILCB-12-LIO (No. of Crimps) | | ILC-15-H (No. of Crimps) | | Y750, PAT750XT, Y750BH (No. of Crimps) | | Y46, Y46C, PAT46 (No. of Crimps) | | TBM14M, TBM14MC, TBM14BSCR, BPLT14BSCR, BPLT14BSCRI, 13100A (No. of Crimps) | | TBM15I, BPLT15BSCR (No. of Crimps) | |
| | Die 998 | Die 1011 | Die 998 | Die 1011 | Die 998 | Die 1011 | Die 998 | Die 1011 | Die 998 | Die 1011 | Die 998 | Die 1011 |
| RLT-2 | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) |
| RLT-3 | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) |
| RLT-4 | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) |
| RLT-5 | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) |
| RLT-6 | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) |
| RLT-7 | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) |
| RLT-8 | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) |
| RLT-9 | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) |
| RLT-10 | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) |
| RLT-11 | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) |
| RLT-12 | (1) | - | - | (2) | (1) | (2) | - | (2) | (1) | (2) | (1) | (2) |
| RLT-13 | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) |
| RLT-4TN | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) |
| RLT-7TN | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) |
| RLT-8TN | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) |
| RLT-9TN | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) |

Notes:

1. The RLT Series of compression connectors are designed to connect a copper ground conductor to a copper clad ground rod.
2. The RLT Series of compression connectors are pre-filled with inhibiting compound and are suitable for direct burial.
3. It is recommended to rough up the end of the ground rod where RLT is to be placed. This provides good rotational resistance. Preform a "pre-crimp" on ground rod prior to installing RLT connector. Use an indent type of dies such as ILD-Precrimp.
4. The RLT Series may be rotated around the rod to any desired position before crimping.

Tooling Information

| ILSCO | | | | | | | | | | | |
|----------------------|----------------------|------------|---------------------------------|----------|---|---------------------------------|--|--|-----------------------|-------------------------------|--|
| Lug/Splice Size | Wire Size | Color Code | MT-25 ^b Hand Dieless | 94285 | IDT-6 ^b , IDT-6H ^b , IDTB-6 ^b series (6-Ton Hydraulic Dieless) | IDT-12-N ^b (Dieless) | ILC-12-N, ILC-12H-N, ILCB-12 series (12-Ton Hydraulic) | TM-12U1000, TR-12U1000, TB-12U1000 series (12-Ton Hydraulic) | ILC-15H (15-Ton) | IVTB-6 ^b (Dieless) | TM-6DF1000 ^b , TR-6DF1000 ^b , TB-6DF1000 ^b series (Dieless) |
| | | | Crimps | Die Code | Crimps | Crimps | Die Code | Crimps | Die Code | Crimps | Crimps |
| 8 | 8 AWG | Blue | 1 | M,K | 2 | 1 | ILD-374 | 1 | ILD-374 | 1 | 1 |
| 6 | 6 AWG | Gray | 1 | K,K | 2 | 1 | ILD-346 | 1 | ILD-346 | 1 | 1 |
| 4 | 4 AWG | Green | 1 | H,H | 3 | 1 | ILD-375 | 1 | ILD-375 | 1 | 1 |
| 2 | 2 AWG | Pink | 2 | E,A | 3 | 1 | ILD-348 | 1 | ILD-348 | 1 | 1 ^c |
| 1 | 1 AWG | Gold | 2 | E,A | 3 | 1 | ILD-471 | 1 | ILD-471 | 1 | 1 ^c |
| 1/0 | 1/0 AWG | Tan | 2 | A,C | 3 | 1 | ILD-296 | 1 | ILD-296 | 1 | 1 ^c |
| 2/0 | 2/0 AWG | Olive | 2 | A,B | 3 | 2 | ILD-297 | 1 ^c | ILD-297 | 1 ^c | 2 |
| 3/0 | 3/0 AWG | Ruby | 2 | A,A | 3 | 2 | ILD-467 | 1 ^c | ILD-467 | 1 ^c | 2 |
| 4/0 | 4/0 AWG | White | 2 | | | 2 | ILD-298 | 2 | ILD-298 | 2 | 2 |
| 250 | 250 kcmil | Red | | | | 2 | ILD-324 | 2 | ILD-324 | 2 | 2 |
| 300 | 300 kcmil | Blue | | | | 2 | ILD-470 | 2 | ILD-470 | 2 | 2 |
| 350 | 350 kcmil | Brown | | | | 2 | ILD-299 | 2 | ILD-299 | 2 | 2 ^d |
| 400 | 400 kcmil | Green | | | | 2 | ILD-472 | 4 | ILD-472 | 4 | 2 ^e |
| 500 | 500 kcmil | Pink | | | | 2 ^e | ILD-300 | 4 | ILD-300 | 4 | 2 ^e |
| 600 | 600 kcmil | Black | | | | 2 ^e | ILD-473 | 4 | ILD-473 | 4 | 2 ^e |
| 700/750 | 700/750 kcmil | Yellow | | | | 2 ^e | ILD-936 | 3 | ILD-936 | 3 | 2 ^e |
| 700/750 ^g | 900 kcmil Compact Al | Yellow | | | | | ILD-936 | 3 | ILD-936 | 3 | |
| 1000 | 1000 kcmil | Brown | | | | | ILD-936 | 3 | ILD-936 | 3 | |
| | | | | | | | ILD-P302 ^h | 3 | ILD-P302 ^h | 3 | |

Additional Information:

- 1) The ALNS, ALND, ASNS, ASND, ALNB, ASNB, ALNN, ASNN, and ASN connectors are marked with the die numbers and required number of crimps for ILSCO hydraulic tools. When using other listed tools, consult chart for crimps required. Crimps should be evenly space on connector.
- 2) Consult manufacturers data for catalog numbers of dies for each tool.

^a Number of crimps shown on chart must be applied to both sides of ASN splice connector's centerline.

^b Dieless tools are not color coded and do not require dies.

^c For ASN splicer connector, apply 2 crimps on both sides of splice connector's centerline.

^d For ASN splicer connector, apply 3 crimps on both sides of splice connector's centerline.

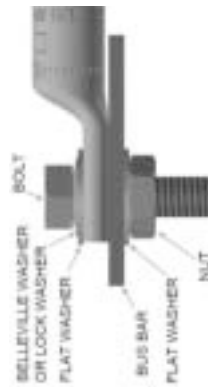
^e For ASN splicer connector, apply 4 crimps on both sides of splice connector's centerline.

^g 700/750 size lug/splice are additionally rated for use with 900 kcmil compact aluminum wire.

^h The die index of ILD-P302 is 302.

Connector Installation

1. Select proper connector for the wire size to be used. Series can be used with concentric, compressed or compact aluminum or copper wire.
2. Strip wire insulation using an approved method. Do not nick or ring the wire. Remove any major coating on the wire.
3. Remove surface oxides from the wire with a wire brush.
4. Insert wire all the way into the barrel of the connector.
5. Select the proper die for approved tool. See chart above for approved tools and dies. Compress barrel from tang toward wire, or from inside of ASN connector towards wire.
6. When terminating an aluminum connector to a steel or copper stud, use a Belleville or compression type washer in combination with a flat washer. Tighten until the Belleville washer is flat.



Information Sheet
Series ALNS, ALND, ASNS, ASND, ALNB, ASNB, ALNN, ASNN, and ASN^a
Compression Connectors for Aluminum or Copper Conductor

Tooling Information

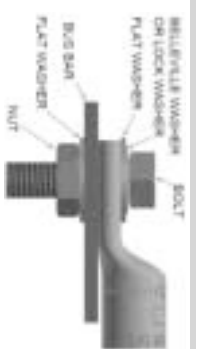
| Lug/Splice Size | Wire Size | Color Code | Die Code | Crimps | Crimps | BURNDY | | THOMAS AND BETTS | | GREENLEE | | ANDERSON | RIDGID | UTILCO | | | | | | | |
|----------------------|----------------------|------------|----------|-----------------|----------------|-------------------|---|--|---|------------------|--|---|---|-----------------------------------|-----------------------------|----------|--|-----------------------------|---------|---|---|
| | | | | | | Die Code | Crimps | Die Code | Crimps | Die Code | Crimps | | | Die Code | Crimps | Die Code | Crimps | | | | |
| 8 | 8 AWG | Blue | X8CART | 1 | 1 | Y500CT-HS, PAT600 | PAT31KFT ^b , Y81KFT ^b , Y81KFTMBH ^b , PAT4PC304 ^b (6-Ton Hydraulic Dieless) | Y644M ^b , PAT644XT ^b (Dieless) | Y35, Y35BH, Y39, Y750, Y750BH, PAT750XT | Y46, Y46C, PAT46 | TBM8-750M ^b , TBM8-750BSCR ^b , TBM8-750 ^b (Dieless) | TBM14M, TBM14M/C, TBM14BSCR, BPLT14BSCR, BPLT14BSCR, BPLT15BSCR | EK08FT ^b , RK08FT ^b , (6-Ton Hydraulic Dieless) | EK1240, RK1240 (12-Ton Hydraulic) | 1990 ^b (Dieless) | RK1550 | VO6-FTR ^b , VO6-FTR ^b , VC7-FTR ^b (Dieless) | RE 6 ^b (Dieless) | RE 12-M | UM-U42, UR-U42, BIL-U42 series (12-Ton Hydraulic) | UM-4PT ^b , UR-4PT ^b , BIL-4PT ^b series (Dieless) |
| 6 | 6 AWG | Gray | W161 | 1 | 1 | | | | | | | | | | | | | | | | |
| 4 | 4 AWG | Green | W162 | 2 | 1 | | | | | | | | | | | | | | | | |
| 2 | 2 AWG | Pink | W239 | 2 | 1 ^c | | | | | | | | | | | | | | | | |
| 1 | 1 AWG | Gold | W163 | 2 | 1 | | | | | | | | | | | | | | | | |
| 1/0 | 1/0 AWG | Tan | W241 | 2 | 1 ^c | | | | | | | | | | | | | | | | |
| 2/0 | 2/0 AWG | Olive | W245 | 2 | 2 | | | | | | | | | | | | | | | | |
| 3/0 | 3/0 AWG | Ruby | W166 | 2 | 2 | | | | | | | | | | | | | | | | |
| 4/0 | 4/0 AWG | White | W660 | 2 | 2 | | | | | | | | | | | | | | | | |
| 250 | 250 kcmil | Red | | 2 | 2 | | | | | | | | | | | | | | | | |
| 300 | 300 kcmil | Blue | | 2 | 2 | | | | | | | | | | | | | | | | |
| 350 | 350 kcmil | Brown | W31ART | 3 | 2 ^d | | | | | | | | | | | | | | | | |
| 400 | 400 kcmil | Green | | 2 ^e | 2 | | | | | | | | | | | | | | | | |
| 500 | 500 kcmil | Pink | | 2 ^e | 2 | | | | | | | | | | | | | | | | |
| 600 | 600 kcmil | Black | | 2 ^e | 2 | | | | | | | | | | | | | | | | |
| 700/750 ^b | 700/750 kcmil | Yellow | | 2 ^e | 2 | | | | | | | | | | | | | | | | |
| 700/750 ^b | 900 kcmil compact Al | Yellow | | 2 ^e | 2 | | | | | | | | | | | | | | | | |
| 1000 | 1000 kcmil | Brown | | 1 ^{1a} | 1 | | | | | | | | | | | | | | | | |

Additional Information:

- 1) The ALNS, ALND, ASNS, ASND, ALNB, ASNB, ALNN, ASNN, and ASN connectors are marked with the die numbers and required number of crimps for ILSCO hydraulic tools. When using other listed tools, consult chart for crimps required. Crimps should be evenly spaced on connector.
- 2) Consult manufacturers data for catalog numbers of dies for each tool.
- a Number of crimps shown on chart must be applied to both sides of ASN splice connector's centerline.
- b Dieless tools are not color coded and do not require dies.
- c For ASN splice connector, apply 2 crimps on both sides of splice connector's centerline.
- d For ASN splice connector, apply 3 crimps on both sides of splice connector's centerline.
- e For ASN splice connector, apply 4 crimps on both sides of splice connector's centerline.

Connector Installation

- 1. Select proper connector for the wire size to be used. Series can be used with concentric, compressed or compact aluminum or copper wire.
- 2. Strip wire insulation using an approved method. Do not nick or ring the wire. Remove any major coating on the wire.
- 3. Remove surface oxides from the wire with a wire brush.
- 4. Insert wire all the way into the barrel of the connector.
- 5. Select the proper die for approved tool. See chart above for approved tools and dies. Compress barrel from tang toward wire, or from inside of ASN connector towards wire.
- 6. When terminating an aluminum conductor to a steel or copper stud, use a Belleville or compression type washer in combination with a flat washer. Tighten until the Belleville washer is flat.



Information Sheet

Series ALNS, ALND, ASNS, ASND, ALNB, ASNB, ALNN, ASNN, and ASN^a Compression Connectors for Aluminum or Copper Conductor



Range Taking (for ILSCO, BURNDY, GREENLEE, RIDGID and UTILCO Dieless Tools)

| Lug/Splice Size | Standard Wire Size | Expanded Wire Range | ILSCO MT-25 ^b | | ILSCO IVTB-6 ^b | | ILSCO IDTB-6 ^b series | | ILSCO IDT-6 ^b , IDT-6H ^b , IDT-6 ^b | | ILSCO IDT-12-N ^b | | ILSCO TM-6DF1000 ^b , TR-6DF1000 ^b , TB-6DF1000 ^b series | | BURNDY PAT4PC834 ^b , PAT81KFT ^b , Y81KFT ^b , Y81KFTMBH ^b | | BURNDY Y644M ^b | | GREENLEE EK06FT ^b , HK06FT ^b , RK06FT ^b | | RIDGID RE 6 ^b | | UTILCO UM-4PT ^b , UR-4PT ^b , BLL-4PT ^b series | |
|-----------------|--------------------|------------------------|--------------------------|--------|---------------------------|--------|----------------------------------|--------|---|--------|-----------------------------|--------|--|--------|--|--------|---------------------------|--------|--|--------|--------------------------|--------|--|--|
| | | | Crimps | Crimps | Crimps | Crimps | Crimps | Crimps | Crimps | Crimps | Crimps | Crimps | Crimps | Crimps | Crimps | Crimps | Crimps | Crimps | Crimps | Crimps | Crimps | Crimps | Crimps | |
| 4 | 4 AWG | 4 - 6 AWG | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 2 | 2 AWG | 2 - 6 AWG | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| 1 | 1 AWG | 1 - 2 AWG | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| 1/0 | 1/0 AWG | 1/0 - 1 AWG | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| 2/0 | 2/0 AWG | 2/0 - 1 AWG | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| 3/0 | 3/0 AWG | 3/0 - 1 AWG | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| 4/0 | 4/0 AWG | 4/0 - 1 AWG | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| 250 | 250 kcmil | 250 kcmil - 1/0 AWG | | | | | | | | | | | | | | | | | | | | | | |
| 300 | 300 kcmil | 300 kcmil - 2/0 AWG | | | | | | | | | | | | | | | | | | | | | | |
| 350 | 350 kcmil | 350 kcmil - 3/0 AWG | | | | | | | | | | | | | | | | | | | | | | |
| 400 | 400 kcmil | 400 kcmil - 4/0 AWG | | | | | | | | | | | | | | | | | | | | | | |
| 500 | 500 kcmil | 500 kcmil - 4/0 AWG | | | | | | | | | | | | | | | | | | | | | | |
| 600 | 600 kcmil | 600 kcmil - 250 kcmil | | | | | | | | | | | | | | | | | | | | | | |
| 700/750 | 700/750 kcmil | 750 kcmil - 500 kcmil | | | | | | | | | | | | | | | | | | | | | | |
| 1000 | 1000 kcmil | 1000 kcmil - 750 kcmil | | | | | | | | | | | | | | | | | | | | | | |

^a Number of crimps shown on chart must be applied to both sides of ASN splice connector's centerline.

^b Dieless tools are not color coded and do not require dies.

^c For ASN splicer connectors, apply 2 crimps on both sides of splice connector's centerline.

^d For ASN splicer connectors, apply 3 crimps on both sides of splice connector's centerline.

^e For ASN splicer connectors, apply 4 crimps on both sides of splice connector's centerline.

^f ASN-1000 splicer connector is NOT UL listed or CSA certified with Y644M dieless tools.

Information Sheet (Series CS, CL)

Compression Connectors for Fine Strand Copper Wire Only (CU9)

WARNING! Do Not Use With Aluminum Wire



| Lug Size | Fine Strand Wire Size | Capcr Code | Die Index | Manual Hand Tools | | Hydraulic Tools | | ILSCO TOOLS | | COMPETITORS TOOLS | | UTILCO | | Fine Strand Wire Size | Lug Size |
|----------|-----------------------|------------|-----------|-------------------|------------|-----------------|------------|-------------|------------|-------------------|------------|-----------|------------|-----------------------|----------|
| | | | | Die Index | Capcr Code | Die Index | Capcr Code | Die Index | Capcr Code | Die Index | Capcr Code | Die Index | Capcr Code | | |
| 8 ** | 8 | Red | 21 | Blue | 2 | Blue | 1 | 1 | 1 | 1 | 1 | 1 | 21 | 8 | 6 ** |
| 6 ** | 6 | Black | 24 | Black | 2 | Black | 1 | 1 | 1 | 1 | 1 | 1 | 24 | 6 | 6 ** |
| 4 | 4 | White | 29 | White | 2 | White | 1 | 1 | 1 | 1 | 1 | 1 | 29 | 4 | 3 ** |
| 3 ** | 3 | White | 31 | White | 2 | White | 1 | 1 | 1 | 1 | 1 | 1 | 31 | 3 | 3 ** |
| 10 ** | 10 | Black | 42 | Black | 4 | Black | 1 | 1 | 1 | 1 | 1 | 1 | 42 | 10 | 10 ** |
| 20 ** | 20 | Black | 45 | Black | 4 | Black | 1 | 1 | 1 | 1 | 1 | 1 | 45 | 20 | 20 ** |
| 30 ** | 30 | Orange | 50 | Orange | 3 | Orange | 1 | 1 | 1 | 1 | 1 | 1 | 50 | 30 | 30 ** |
| 40 ** | 40 | Orange | 55 | Orange | 3 | Orange | 1 | 1 | 1 | 1 | 1 | 1 | 55 | 40 | 40 ** |
| 50 ** | 50 | Yellow | 62 | Yellow | 3 | Yellow | 1 | 1 | 1 | 1 | 1 | 1 | 62 | 50 | 50 ** |
| 250 ** | 250 | White | 65 | White | 3 | White | 1 | 1 | 1 | 1 | 1 | 1 | 65 | 250 | 500 ** |
| 350 ** | 350 | Blue | 71 | Blue | 3 | Blue | 1 | 1 | 1 | 1 | 1 | 1 | 71 | 350 | 500 ** |
| 400 ** | 400 | Black | 76 | Black | 3 | Black | 1 | 1 | 1 | 1 | 1 | 1 | 76 | 400 | 500 ** |
| 500 ** | 500 | Brown | 87 | Brown | 3 | Brown | 1 | 1 | 1 | 1 | 1 | 1 | 87 | 500 | 500 ** |
| 600 ** | 600 | Green | 84 | Green | 3 | Green | 1 | 1 | 1 | 1 | 1 | 1 | 84 | 600 | 500 ** |
| 750 | 750 | Black | 106 | Black | 3 | Black | 1 | 1 | 1 | 1 | 1 | 1 | 106 | 750 | 750 |
| 1000 | 1000 | White | 125 | White | 3 | White | 1 | 1 | 1 | 1 | 1 | 1 | 125 | 1000 | 1000 |

| Lug Size | Fine Strand Wire Size | Capcr Code | Die Index | Manual Hand Tools | | Hydraulic Tools | | ILSCO TOOLS | | COMPETITORS TOOLS | | UTILCO | | Fine Strand Wire Size | Lug Size |
|----------|-----------------------|------------|-----------|-------------------|------------|-----------------|------------|-------------|------------|-------------------|------------|-----------|------------|-----------------------|----------|
| | | | | Die Index | Capcr Code | Die Index | Capcr Code | Die Index | Capcr Code | Die Index | Capcr Code | Die Index | Capcr Code | | |
| 8 ** | 8 | Red | 21 | Blue | 2 | Blue | 1 | 1 | 1 | 1 | 1 | 1 | 21 | 8 | 6 ** |
| 6 ** | 6 | Black | 24 | Black | 2 | Black | 1 | 1 | 1 | 1 | 1 | 1 | 24 | 6 | 6 ** |
| 4 | 4 | White | 29 | White | 2 | White | 1 | 1 | 1 | 1 | 1 | 1 | 29 | 4 | 3 ** |
| 3 ** | 3 | White | 31 | White | 2 | White | 1 | 1 | 1 | 1 | 1 | 1 | 31 | 3 | 3 ** |
| 10 ** | 10 | Black | 42 | Black | 4 | Black | 1 | 1 | 1 | 1 | 1 | 1 | 42 | 10 | 10 ** |
| 20 ** | 20 | Black | 45 | Black | 4 | Black | 1 | 1 | 1 | 1 | 1 | 1 | 45 | 20 | 20 ** |
| 30 ** | 30 | Orange | 50 | Orange | 3 | Orange | 1 | 1 | 1 | 1 | 1 | 1 | 50 | 30 | 30 ** |
| 40 ** | 40 | Orange | 55 | Orange | 3 | Orange | 1 | 1 | 1 | 1 | 1 | 1 | 55 | 40 | 40 ** |
| 50 ** | 50 | Yellow | 62 | Yellow | 3 | Yellow | 1 | 1 | 1 | 1 | 1 | 1 | 62 | 50 | 50 ** |
| 250 ** | 250 | White | 65 | White | 3 | White | 1 | 1 | 1 | 1 | 1 | 1 | 65 | 250 | 500 ** |
| 350 ** | 350 | Blue | 71 | Blue | 3 | Blue | 1 | 1 | 1 | 1 | 1 | 1 | 71 | 350 | 500 ** |
| 400 ** | 400 | Black | 76 | Black | 3 | Black | 1 | 1 | 1 | 1 | 1 | 1 | 76 | 400 | 500 ** |
| 500 ** | 500 | Brown | 87 | Brown | 3 | Brown | 1 | 1 | 1 | 1 | 1 | 1 | 87 | 500 | 500 ** |
| 600 ** | 600 | Green | 84 | Green | 3 | Green | 1 | 1 | 1 | 1 | 1 | 1 | 84 | 600 | 500 ** |
| 750 | 750 | Black | 106 | Black | 3 | Black | 1 | 1 | 1 | 1 | 1 | 1 | 106 | 750 | 750 |
| 1000 | 1000 | White | 125 | White | 3 | White | 1 | 1 | 1 | 1 | 1 | 1 | 125 | 1000 | 1000 |

** Diesels - Crimps will overlap
* See note below

| Lug Size | AWG | STR | C | | G | | H | | I | | K | | M | | DLO | |
|----------|------|-----|------|-----|-----|-----|-----|-----|-----|------|-----|------|-----|------|-----|------|
| | | | AWG | STR | AWG | STR | AWG | STR | AWG | STR | AWG | STR | AWG | STR | AWG | STR |
| 6 | 6 | 7 | 6 | 19 | 6 | 48 | 6 | 133 | 6 | 63 | 6 | 295 | 6 | 493 | 6 | 61 |
| 4 | 4 | 7 | 4 | 19 | 4 | 46 | 4 | 133 | 4 | 105 | 4 | 420 | 4 | 1054 | 4 | 105 |
| 3 | 3 | 7 | 3 | 19 | 3 | 46 | 3 | 133 | 3 | 105 | 3 | 420 | 3 | 1054 | 3 | 105 |
| 1 | 1 | 19 | 1 | 37 | 2 | 48 | 2 | 133 | 2 | 166 | 2 | 665 | 2 | 1666 | 2 | 150 |
| 10 | 10 | 19 | 10 | 37 | 1 | 133 | 1 | 259 | 1 | 210 | 1 | 850 | 1 | 2107 | 1 | 225 |
| 30 | 30 | 19 | 30 | 37 | 20 | 133 | 20 | 259 | 20 | 342 | 20 | 1371 | 20 | 3425 | 20 | 325 |
| 40 | 40 | 19 | 40 | 37 | 30 | 133 | 30 | 259 | 30 | 418 | 30 | 1666 | 30 | 4296 | 30 | 450 |
| 250 | 250 | 37 | 250 | 61 | 40 | 133 | 40 | 259 | 40 | 520 | 40 | 2107 | 40 | 520 | 40 | 532 |
| 350 | 350 | 37 | 350 | 61 | 250 | 259 | 259 | 259 | 259 | 637 | 250 | 2460 | 250 | 6384 | 250 | 650 |
| 400 | 400 | 37 | 400 | 61 | 300 | 259 | 300 | 427 | 300 | 725 | 300 | 2468 | 300 | 7261 | 300 | 715 |
| 500 | 500 | 37 | 500 | 61 | 350 | 259 | 350 | 427 | 350 | 862 | 350 | 2468 | 350 | 8606 | 350 | 852 |
| 600 | 600 | 61 | 600 | 91 | 400 | 259 | 400 | 427 | 400 | 1021 | 400 | 2468 | 400 | 1021 | 400 | 1025 |
| 700 | 700 | 61 | 700 | 91 | 500 | 259 | 500 | 427 | 500 | 1226 | 500 | 2468 | 500 | 1226 | 500 | 1235 |
| 750 | 750 | 61 | 750 | 91 | 600 | 259 | 600 | 427 | 600 | 1470 | 600 | 2468 | 600 | 1470 | 600 | 1485 |
| 1000 | 1000 | 61 | 1000 | 91 | 750 | 259 | 750 | 427 | 750 | 1852 | 750 | 2468 | 750 | 1852 | 750 | 1861 |

UL Listed and CSA Certified when installed with tools and dies shown above

a) Connectors are marked with color, die numbers and required number of crimps for ILSCO hydraulic tools. When using other listed tools, consult chart for crimps required. Crimps should be evenly spaced on connector.

b) The ILSCO 8426, WT26 and all diesels tools are not color coded or do not contain the die index.

c) Strip Length = Barrel Length + 1/16 Inch.

d) For long barrel connectors double the amount of crimps indicated on chart except for 1000 kcmil add only one additional crimp.

e) EXCEPTION: Use of T&B TBM2-70 Series, BAT2-6, WT115A or Panduit CT-1700, CT-2001 tools voids the Grounding and Bonding Certifications.

f) For 19 AWG Class Ft wire only, may use 1 or 2 crimps

| Lug Size | Fine Strand Wire Size | Capcr Code | Die Index | Manual Hand Tools | | Hydraulic Tools | | ILSCO TOOLS | | COMPETITORS TOOLS | | UTILCO | | Fine Strand Wire Size | Lug Size |
|----------|-----------------------|------------|-----------|-------------------|------------|-----------------|------------|-------------|------------|-------------------|------------|-----------|------------|-----------------------|----------|
| | | | | Die Index | Capcr Code | Die Index | Capcr Code | Die Index | Capcr Code | Die Index | Capcr Code | Die Index | Capcr Code | | |
| 8 ** | 8 | Red | 21 | Blue | 2 | Blue | 1 | 1 | 1 | 1 | 1 | 1 | 21 | 8 | 6 ** |
| 6 ** | 6 | Black | 24 | Black | 2 | Black | 1 | 1 | 1 | 1 | 1 | 1 | 24 | 6 | 6 ** |
| 4 | 4 | White | 29 | White | 2 | White | 1 | 1 | 1 | 1 | 1 | 1 | 29 | 4 | 3 ** |
| 3 ** | 3 | White | 31 | White | 2 | White | 1 | 1 | 1 | 1 | 1 | 1 | 31 | 3 | 3 ** |
| 10 ** | 10 | Black | 42 | Black | 4 | Black | 1 | 1 | 1 | 1 | 1 | 1 | 42 | 10 | 10 ** |
| 20 ** | 20 | Black | 45 | Black | 4 | Black | 1 | 1 | 1 | 1 | 1 | 1 | 45 | 20 | 20 ** |
| 30 ** | 30 | Orange | 50 | Orange | 3 | Orange | 1 | 1 | 1 | 1 | 1 | 1 | 50 | 30 | 30 ** |
| 40 ** | 40 | Orange | 55 | Orange | 3 | Orange | 1 | 1 | 1 | 1 | 1 | 1 | 55 | 40 | 40 ** |
| 50 ** | 50 | Yellow | 62 | Yellow | 3 | Yellow | 1 | 1 | 1 | 1 | 1 | 1 | 62 | 50 | 50 ** |
| 250 ** | 250 | White | 65 | White | 3 | White | 1 | 1 | 1 | 1 | 1 | 1 | 65 | 250 | 500 ** |
| 350 ** | 350 | Blue | 71 | Blue | 3 | Blue | 1 | 1 | 1 | 1 | 1 | 1 | 71 | 350 | 500 ** |
| 400 ** | 400 | Black | 76 | Black | 3 | Black | 1 | 1 | 1 | 1 | 1 | 1 | 76 | 400 | 500 ** |
| 500 ** | 500 | Brown | 87 | Brown | 3 | Brown | 1 | 1 | 1 | 1 | 1 | 1 | 87 | 500 | 500 ** |
| 600 ** | 600 | Green | 84 | Green | 3 | Green | 1 | 1 | 1 | 1 | 1 | 1 | 84 | 600 | 500 ** |
| 750 | 750 | Black | 106 | Black | 3 | Black | 1 | 1 | 1 | 1 | 1 | 1 | 106 | 750 | 750 |
| 1000 | 1000 | White | 125 | White | 3 | White | 1 | 1 | 1 | 1 | 1 | 1 | 125 | 1000 | 1000 |

** Diesels - Crimps will overlap
* See note below

| Lug Size | AWG | STR | C | | G | | H | | I | | K | | M | | DLO | |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|------|-----|------|-----|------|
| | | | AWG | STR | AWG | STR | AWG | STR | AWG | STR | AWG | STR | AWG | STR | | |
| 6 | 6 | 7 | 6 | 19 | 6 | 48 | 6 | 133 | 6 | 63 | 6 | 295 | 6 | 493 | 6 | 61 |
| 4 | 4 | 7 | 4 | 19 | 4 | 46 | 4 | 133 | 4 | 105 | 4 | 420 | 4 | 1054 | 4 | 105 |
| 3 | 3 | 7 | 3 | 19 | 3 | 46 | 3 | 133 | 3 | 105 | 3 | 420 | 3 | 1054 | 3 | 105 |
| 1 | 1 | 19 | 1 | 37 | 2 | 48 | 2 | 133 | 2 | 166 | 2 | 665 | 2 | 1666 | 2 | 150 |
| 10 | 10 | 19 | 10 | 37 | 1 | 133 | 1 | 259 | 1 | 210 | 1 | 850 | 1 | 2107 | 1 | 225 |
| 30 | 30 | 19 | 30 | 37 | 20 | 133 | 20 | 259 | 20 | 342 | 20 | 1371 | 20 | 3425 | 20 | 325 |
| 40 | 40 | 19 | 40 | 37 | 30 | 133 | 30 | 259 | 30 | 418 | 30 | 1666 | 30 | 4296 | 30 | 450 |
| 250 | 250 | 37 | 250 | 61 | 40 | 133 | 40 | 259 | 40 | 520 | 40 | 2107 | 40 | 520 | 40 | 532 |
| 350 | 350 | 37 | 350 | 61 | 250 | 259 | 259 | 259 | 259 | 637 | 250 | 2460 | 250 | 6384 | 250 | 650 |
| 400 | 400 | 37 | 400 | 61 | 300 | 259 | 300 | 427 | 300 | 725 | 300 | 2468 | 300 | 7261 | 300 | 715 |
| 500 | 500 | 37 | 500 | 61 | 350 | 259 | 350 | 427 | 350 | 862 | 350 | 2468 | 350 | 8606 | 350 | 852 |
| 600 | 600 | 61 | 600 | 91 | 400 | 259 | 400 | 427 | 400 | 1021 | 400 | 2468 | 400 | 1021 | 400 | 1025 |
| 700 | 700 | 61 | 700 | 91 | 500 | 259 | 500 | 427 | 500 | | | | | | | |

Series CT and CTL

Compression Connectors for Fine Strand Copper Wire Only (CU9)

WARNING! Do Not Use With Aluminum Wire



| Lug Size | Wire Size | Fine Strand | Manual Hand Tools | | ILSCO TOOLS | | Manual Tools | | T&B TOOLS | | GREENLEE TOOLS | | RIDGID TOOLS | | UTILCO TOOLS | |
|----------|-----------|-------------|-------------------|-----------|-------------|----------|--------------|----------|-----------|----------|----------------|----------|--------------|----------|--------------|----------|
| | | | Left Die | Right Die | 84295 | ILC-10-N | ILC-12-N | ILC-12-N | ILC-12-N | ILC-12-N | ILC-12-N | ILC-12-N | ILC-12-N | ILC-12-N | ILC-12-N | ILC-12-N |
| 6 *** | 6 | Black | 21 | M | K | 2 | Black | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 6 *** | 6 | Black | 24 | M | K | 2 | Black | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 6 *** | 6 | White | 29 | K | K | 2 | Gray | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 3 *** | 4 | White | 37 | H | H | 2 | Green | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 10 ** | 1 | Black | 42 | H | H | 2 | Black | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 10 ** | 1 | Black | 45 | E | A | 3 | Black | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 10 ** | 2 | Black | 50 | E | A | 3 | Black | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 20 ** | 3/0 | Purple | 54 | A | B | 3 | Purple | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 20 ** | 3/0 | Purple | 54 | A | B | 3 | Purple | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 250 ** | 4/0 | Yellow | 62 | A | B | 3 | Yellow | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 300 ** | 250 | White | 66 | A | B | 3 | White | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 350 ** | 250 | Red | 71 | A | B | 3 | Red | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 350 ** | 250 | Red | 71 | A | B | 3 | Red | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 500 ** | 350 | Brown | 87 | A | B | 3 | Brown | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 500 ** | 350 | Brown | 87 | A | B | 3 | Brown | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 600 | 400 | Green | 94 | A | B | 3 | Green | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 650 | 500 | Pink | 99 | A | B | 3 | Pink | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 700 | 600 | Pink | 99 | A | B | 3 | Pink | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 750 | 600 | Black | 106 | A | B | 3 | Black | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1000 | 750 | White | 125 | A | B | 3 | White | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

** See note f below

| Lug Size | AWG | STR | B | | C | | G | | H | | I | | K | | M | | DLO | |
|----------|------|-----|------|-----|------|-----|------|-----|------|-----|------|------|------|------|------|------|------|------|
| | | | STR | AWG | STR | AWG | STR | AWG | STR | AWG | STR | AWG | STR | AWG | STR | AWG | STR | AWG |
| 6 | 6 | 7 | 6 | 19 | 6 | 19 | 6 | 49 | 6 | 133 | 6 | 63 | 6 | 286 | 6 | 420 | 6 | 61 |
| 4 | 4 | 7 | 4 | 19 | 4 | 19 | 4 | 49 | 4 | 133 | 4 | 105 | 4 | 420 | 4 | 1064 | 4 | 105 |
| 2 | 2 | 7 | 2 | 19 | 2 | 19 | 2 | 49 | 2 | 133 | 2 | 161 | 2 | 885 | 2 | 1685 | 2 | 150 |
| 1 | 1 | 19 | 1 | 37 | 1 | 37 | 1 | 99 | 1 | 259 | 1 | 246 | 1 | 1094 | 1 | 2446 | 1 | 225 |
| 2/0 | 2/0 | 19 | 2/0 | 37 | 2/0 | 37 | 2/0 | 133 | 2/0 | 259 | 2/0 | 342 | 2/0 | 1323 | 2/0 | 3225 | 2/0 | 325 |
| 3/0 | 3/0 | 19 | 3/0 | 37 | 3/0 | 37 | 3/0 | 133 | 3/0 | 259 | 3/0 | 418 | 3/0 | 1666 | 3/0 | 4256 | 3/0 | 450 |
| 4/0 | 4/0 | 19 | 4/0 | 37 | 4/0 | 37 | 4/0 | 133 | 4/0 | 259 | 4/0 | 532 | 4/0 | 2107 | 4/0 | 5320 | 4/0 | 532 |
| 250 | 250 | 37 | 250 | 61 | 250 | 61 | 250 | 259 | 250 | 427 | 250 | 637 | 250 | 2456 | 250 | 6324 | 250 | 650 |
| 300 | 300 | 37 | 300 | 61 | 300 | 61 | 300 | 259 | 300 | 427 | 300 | 735 | 300 | 2456 | 300 | 2456 | 300 | 725 |
| 400 | 400 | 37 | 400 | 61 | 400 | 61 | 400 | 259 | 400 | 427 | 400 | 882 | 400 | 3458 | 400 | 3458 | 400 | 825 |
| 500 | 500 | 37 | 500 | 61 | 500 | 61 | 500 | 259 | 500 | 427 | 500 | 980 | 500 | 3690 | 500 | 3690 | 500 | 825 |
| 600 | 600 | 61 | 600 | 91 | 600 | 91 | 600 | 259 | 600 | 427 | 600 | 980 | 600 | 3690 | 600 | 3690 | 600 | 825 |
| 650 | 600 | 61 | 600 | 91 | 600 | 91 | 600 | 259 | 600 | 427 | 600 | 980 | 600 | 3690 | 600 | 3690 | 600 | 825 |
| 700 | 700 | 61 | 700 | 91 | 700 | 91 | 700 | 259 | 700 | 427 | 700 | 1225 | 700 | 5054 | 700 | 5054 | 700 | 1225 |
| 750 | 750 | 61 | 750 | 91 | 750 | 91 | 750 | 259 | 750 | 427 | 750 | 1225 | 750 | 5054 | 750 | 5054 | 750 | 1225 |
| 1000 | 1000 | 61 | 1000 | 91 | 1000 | 91 | 1000 | 259 | 1000 | 427 | 1000 | 1826 | 1000 | 6060 | 1000 | 6060 | 1000 | 1826 |

UL Listed and CSA Certified when installed with tools and dies shown above

a) Number of crimps shown on chart must be on each end of the CT splitter connectors.
 b) The CT connectors are marked with color, the die numbers and required number of crimps for LSCO hydraulic tools. When using other listed tools, consult chart for crimps required. Crimps should be evenly spaced on connector.
 c) The LSCO 94285, MT-25 and all dieless tools are not color coded or do not contain the die index.
 d) Consult manufacturers data for catalog numbers of dies for each tool.
 e) Ship Length = Barrel Length + 1/16 inch
 f) Die length is the length of the die used to crimp the wire.
 g) For long barrel (CTL) connectors add one additional crimp to each side of barrel.

Information Sheet

Series CS, CL Compression Connectors

for Class B/C Copper Wire Only (CU9)

A

| Lug Size | Standard Wire Size (AWG) | Expanded Wire Range (AWG) | ILSCO | | KST | | Burndy | | | | | | T&B | | | | Panduit | |
|----------|--------------------------|---------------------------|---------------------------|--------|---------------|--------|----------|--------|-----------|--------|----------|--------|------------------|--------|-------------------------|--------|----------|--------|
| | | | ILST-22K with die "D1322" | | KST2000D-1322 | | Y8MRB-1 | | MRE1022B* | | MR 20 | | ERG2002, ERG4002 | | BAT22-6 with die "2002" | | CT-1570 | |
| | | | Die Nest | Crimps | Die Nest | Crimps | Die Nest | Crimps | Die Nest | Crimps | Die Nest | Crimps | Die Nest | Crimps | Die Nest | Crimps | Die Nest | Crimps |
| 10 | 10 Sol/Str | 10-14 Str 10-14 Sol | 12-10 | 1 | 12-10 | 1 | 10 | 1 | 12-10 | 1 | 12-10 | 1 | C | 1 | C | 1 | 12-10 | 1 |

* Expanded Wire Range using Burndy MRE1022B is 10-12 Sol/Str

Additional Information

1. UL Listed to Category ZMVV and complimentary listed to category KDER when installed with the above listed tools
2. Recommended Strip Length = Barrel Length + 1/16 inch

A



Compressor Dies For ILC-12-N, ILC-12H-N, ILCB-12 Series (Hydraulic Tools) TB-12U1000-P, TM-12U1000, TR-12U1000

| Catalog Number | Die Color Code | Connector Series ALNS, ALND, ALNN Wire Size |
|----------------|----------------|---|
| ILD-374 | Blue | #8 |
| ILD-346 | Gray | #6 |
| ILD-375 | Green | #4 |
| ILD-348 | Pink | #2 |
| ILD-471 | Gold | #1 |
| ILD-296 | Tan | 1/0 |
| ILD-297 | Olive | 2/0 |
| ILD-467 | Ruby | 3/0 |
| ILD-298 | White | 4/0 |
| ILD-324 | Red | 250kcmil |
| ILD-470 | Blue | 300kcmil |
| ILD-299 | Brown | 350kcmil |
| ILD-472 | Green | 400kcmil |
| ILD-300 | Pink | 500kcmil |
| ILD-473 | Black | 600kcmil |
| ILD-936 | Yellow | 700/750kcmil |



Compressor Dies For ILC-12, ILC-12-N, ILC-12H, ILC-12H-N, ILCB-12, ILCB-12-N, ILCB-12-LIO, ILC-14, ILC-14H, ILC-15, ILC-15H, ILC-750, TB-12U1000-P, TM-12U1000, TR-12U1000

| Catalog Number | Class B/C Copper Wire Only | Fine Strand Copper Wire Only |
|----------------|----------------------------|------------------------------|
| | Series CS, CL, CT, CTL | Series CS, CL, CT, CTL |
| ILD-21 | 8 AWG | 8 FLEX CLASS G,H,I,K,M,DLO |
| ILD-24-1 | 6 AWG, 5 AWG | 6 FLEX CLASS G,H,I,K,M,DLO |
| ILD-29-1 | 4-3 AWG | 4 FLEX CLASS G,H,I,K,M,DLO |
| ILD-33 | 2 AWG | - |
| ILD-37 | 1 AWG | 2 FLEX CLASS G,H,I,K,M,DLO |
| ILD-42 | 1/0 AWG | 1 FLEX CLASS G,H,I,K,M,DLO |
| ILD-45 | 2/0 AWG | 1/0 FLEX CLASS G,H,I,K,M,DLO |
| ILD-50 | 3/0 AWG | 2/0 FLEX CLASS G,H,I,K,M,DLO |
| ILD-54 | 4/0 AWG | 3/0 FLEX CLASS G,H,I,K,M,DLO |
| ILD-62 | 250kcmil | 4/0 FLEX CLASS G,H,I,K,M,DLO |
| ILD-66 | 300kcmil | 250 G,H |
| ILD-71 | 350kcmil | 250 I,K,M, 262 DLO |
| ILD-76 | 400kcmil | 300 G,H,I,K,M, 313 DLO |
| ILD-87 | 500kcmil | 350 G,H,I,K,M, 373 DLO |
| ILD-94 | 600kcmil | 400 G,H,I,K,M, 444 DLO |
| ILD-99 | 700kcmil | 500 G,H,I,K,M, 535 DLO |
| ILD-106 | 750kcmil | 600 G,H,I,M, 646 DLO |
| ILD-125 | 1000kcmil | 750 G,H,I, 777 DLO |



Compressor Dies For ILC-12-N, ILC-12H-N, ILCB-12-N, ILC-15H, ILC-12, ILC-12H, ILC-14, ILC-14H, ILCB-12, ILCB-12-LIO, ILC-15, ILC-750, TB-12U1000-P, TM-12U1000, TR-12U1000

| Catalog Number | Wire Size | | |
|----------------|---------------------------------------|------------------------------|------------------------------|
| | Legacy Aluminum Terminals and Splices | ACM and ACO Pin Connectors | CPM Pin Connectors |
| ILD-1 | | | |
| ILD-2 | 8 | | |
| ILD-3 | 6 | | |
| ILD-4 | 4 | | |
| ILD-5 | | | |
| ILD-6 | | | |
| ILD-7 | 2, 1 | | |
| ILD-8 | 1/0 | 6, 4, 2, 1 | |
| ILD-9 | 6, 4, 2, 1 | | |
| ILD-10 | 2/0, 3/0 | | |
| ILD-11 | | | |
| ILD-12 | 4/0 | 1/0, 2/0, 3/0, 4/0 | 1/0, 2/0, 3/0, 4/0 |
| ILD-13 | 250kcmil | | |
| ILD-14 | 300kcmil, 350kcmil | 250kcmil, 300kcmil, 350kcmil | 250kcmil, 300kcmil, 350kcmil |
| ILD-15 | | | |
| ILD-16 | 400kcmil | | |
| ILD-16A | *500kcmil | 400kcmil, 500kcmil | 400kcmil, 500kcmil |
| ILD-17 | *600kcmil, *700kcmil | | |
| ILD-18 | *700kcmil | 600kcmil, 750kcmil | 600 kcmil, 750kcmil |
| ILD-P302+ | ‡1000kcmil | | |

* Cannot be used on Sleeves with ILC-12-N, ILC-12H-N, ILC-12 and ILC-12H tools

‡ For use on ALNN-1000-12-134

† For use with ILC-15 or ILC-15H, must be used with ILDPADP when using ILC-15H



Type W Dies For ND-60, ND-58, TB-6WBG500-I, TB-6WO500-I, TB-6WD3500-I

| Catalog Number | For Use With | |
|----------------|--|-------------------------------|
| | Aluminum Compression Connectors | Copper Compression Connectors |
| ND-O | HT-1, HT-2, AH-1 | GGA-1, GGA-2, GGA-4 |
| ND-BG | PICS-61 thru PICS-78 | ULT-4, ULT-5 |
| ND-C | | ULT-6, ULT-7 |
| ND-K-840 | UCS-2/0, UCS-3/0, UCS-4/0, UCS-250, PICS-834 thru PICS-869 | |

A

FOR TYPE
ILC-15
ILC-15H
ILC-750



Figure 1



Figure 2

| Catalog Number | Figure Number | For Use With | |
|----------------|---------------|---|--|
| | | Aluminum Compression Connectors | Copper Compression Connectors |
| ILD-K-840*+ | 1 | UCS-2/0, UCS-3/0, UCS-4/0, UCS-250, PICS-834 through PICS-869 | |
| ILD-C*+ | 1 | | ULT-6-Z, ULT-7-Z, ELT-1 |
| ILD-D3*+ | 1 | HT-2, HT-3, HT-4, HT-5, HT-7, AH-2, AH-3, AH-4 | ULT-10-Z, ULT-11-Z, ULT-12-Z, CDT-308-8, CDT-307-8 |
| ILD-O* | 1 | HT-1, HT-6, HT-8, AH-1 | GGC-1, GGA-1, GGA-2, GGA-4, ELT-2, ELT-4, CDT-304-8, CDT-303-8, ULT-8-Z, ULT-9-Z |
| ILD-N*+ | 1 | AH-5, AH-6, AH-7 | |
| ILD-KR+ | 2 | AH-8, AH-9, AH-10, AH-11, AH-12 | AH-10, AH-11, AH-12 |
| ILD-997*+ | 1 | | GGA-2, GGA-3, GGA-4, GGA-5, GGA-9, GGC-2, GGC-3, GGC-4, ELT-3, ELT-5, CGP2-2250, CGP4-2250 |
| ILD-998+ | 1 | | GGA-4, GGA-5, GGC-5, GGC-6, GGC-7, GGC-9, CGP2-250500, CGP4-250500, RLT-4TN, RLT-7TN, RLT-8TN, RLT-9TN, RLT-2 through RLT-13 |
| ILD-P998° | 2 | Can only be used with ILC-15 or ILC-15H | GGA-4, GGA-5, GGB-1 thru GGB-8, GGC-5, GGC-6, GGC-7, RLT |
| ILD-P999° | 2 | Can only be used with ILC-15 or ILC-15H | GGA-6, GGC-8 |
| ILD-1011+ | 1 | | GGA-6, GGC-8, ELT-6, ELT-7, ELT-8, RLT-4TN, RLT-7TN, RLT-8TN, RLT-9TN, RLT-2 through RLT-13 |
| ILD-P1011° | 2 | Can only be used with ILC-15 or ILC-15H | GGA-6, GGC-8, RLT |
| ILD-BG | 1 | PICS-61 thru PICS-78 | ULT-3-Z, ULT-4-Z, ULT-5-Z, CST-301, CST-302, CDT-399-8, CDT-398-8 |
| ILD-P302° | 1 | ALNN, Can only be used with ILC-15 or ILC-15H | |
| ILD-238 | - | | ULT-1-Z |
| ILD-162 | - | | ULT-2-Z |
| ILD-Precrimp | - | | 1/2, 5/8, 3/4, Ground Rod Pre Crimp Die |

* May also be used with ILC-12-N, ILC-12H-N, ILCB-12-N, ILC-12, ILC-12H, ILCB-12
 + Must be used with ILD-ADP when using ILC-15, must be used with ILD-PADP when using ILC-15H
 o Must be used with ILD-PADP when using ILC-15H

Die Adaptors

FOR TYPE
ILC-15
ILC-15H



Figure 1



Figure 2



Figure 3



Figure 4

| Catalog Number | Figure Number | Description | Die Color Code |
|----------------|---------------|---|----------------|
| ILD-ADP | 1 | Permits ILD Series to be inserted in ILC-15 or ILC-15H tool, if using ILC-15H ILD-PADP must be used as well | |
| ILD-UADP | 2 | Permits ILD Series to be inserted in ILC-15 or ILC-15H tool | |
| ILD-PADP | 3 | Permits "P" style dies to be inserted in ILC-15H tool | |
| ILD-P302 | 4 | 1000kcmil, ILD-PADP die adaptor must be used | Brown |

| | | | | | |
|--|--|---|--|--|--|
| Insulated Ring Terminals <p>99</p> | Spades/Forks Flanged Forks <p>100</p> | Splices, Disconnects, Bullets <p>101</p> | Crimp 'N Seal® Kits <p>102</p> | Ring Terminals Non-Insulated <p>103 - 106</p> | Ring Terminals Vinyl Insulated <p>107 - 108</p> |
| Ring Terminals Nylon Insulated <p>109</p> | High Temperature Ring Terminals Non-Insulated <p>110</p> | Ring Terminals Nylon Insulated Heavy Duty Double Crimp <p>111</p> | Ring Terminals Multi Stud <p>112</p> | Spade Terminals Non-Insulated <p>113</p> | Spade Terminals Vinyl Insulated <p>114</p> |
| Spade Terminals Nylon Insulated <p>115</p> | Spade Terminals Nylon Insulated Heavy Duty Double Crimp <p>116</p> | Locking Spade Terminals Non-Insulated <p>117</p> | Locking Spade Terminals Nylon Insulated <p>118</p> | Locking Spade Terminals Vinyl Insulated <p>119</p> | Locking Spade Terminals Nylon Insulated Heavy Duty Double Crimp <p>120</p> |
| Flanged Spade Terminals Non-Insulated <p>121</p> | Flanged Spade Terminals Nylon Insulated <p>122</p> | Flanged Spade Terminals Vinyl Insulated <p>123</p> | Flanged Spade Terminals Nylon Insulated Heavy Duty Double Crimp <p>124</p> | Fork Terminals Non-Insulated <p>125</p> | Fork Terminals Nylon Insulated <p>126</p> |
| Fork Terminals Vinyl Insulated <p>127</p> | Fork Terminals Nylon Insulated Heavy Duty Double Crimp <p>128</p> | Disconnect Terminals Standard Female <p>129</p> | Disconnect Terminals Standard Male <p>130</p> | Disconnect Terminals Fully Insulated <p>131</p> | Disconnect Terminals Fully Insulated, Flag <p>132</p> |
| Disconnect Terminals Bullet <p>133</p> | | Pin Terminals Insulated <p>134</p> | Splices Non-Insulated <p>135</p> | Splices Vinyl Insulated <p>136</p> | Splices Insulated <p>137</p> |
| Cool Seal® Splices Sealed; Insulated <p>138</p> | | Crimping Tools 94130 <p>139</p> | Crimping Tools 94145 <p>139</p> | Crimping Tools WS-1 <p>139</p> | Crimping Tools WS-2 <p>140</p> |
| | | | Crimping Tools WS-3 <p>140</p> | Crimping Tools ILST-22K <p>141</p> | Crimping Tools ILST-MP <p>141</p> |

TYPE
CNS

Features

- Dual wall tubing
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Silver solder brazed seam
- UL Listed and CSA Certified for 600 volts, 90°C
- Serrated barrel
- Packaged in convenient small quantities

Benefits

- Irradiated, thermally stabilized, high density polyolefin has inner wall of hot melt adhesive to insure watertight seal
- Provides easy wire range identification. #22-18 AWG Red, #16-14 AWG Blue, #12-10 AWG Yellow
- Provides maximum conductivity
- Provides low contact resistance
- May be crimped anywhere and will not split open, even under extreme operating stresses
- Ensures reliability for copper conductor
- "V" grooves inside barrel securely grip wire and prevent pullout
- Can be displayed on merchandise racks

A1

Insulated Ring Terminals



| Catalog Number | Wire Range | Stud Size | Maximum Wire Insulation |
|----------------|------------|-----------|-------------------------|
| 31112-B10 | 18-22 | 6 | .170 |
| 31113-B10 | 18-22 | 8 | .170 |
| 31114-B10 | 18-22 | 10 | .170 |
| 31115-B10 | 18-22 | 1/4" | .170 |
| 31312-B10 | 14-16 | 6 | .190 |
| 31313-B10 | 14-16 | 8 | .190 |
| 31314-B10 | 14-16 | 10 | .190 |
| 31315-B10 | 14-16 | 1/4" | .190 |
| 31316-B10 | 14-16 | 5/16" | .190 |
| 31317-B10 | 14-16 | 3/8" | .190 |
| 31413-B10 | 10-12 | 8 | .240 |
| 31414-B10 | 10-12 | 10 | .240 |
| 31415-B10 | 10-12 | 1/4" | .240 |
| 31417-B10 | 10-12 | 3/8" | .240 |
| 31419-B10 | 10-12 | 1/2" | .240 |
| 31514-B5 | 8 | 10 | .310 |
| 31515-B5 | 8 | 1/4" | .310 |
| 31517-B5 | 8 | 3/8" | .310 |
| 31519-B5 | 8 | 1/2" | .310 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Can be supplied in bulk. Consult factory for part number.

UL File E158587

TYPE
CNS

Features

- Dual wall tubing
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Silver solder brazed seam
- UL Listed and CSA Certified for 600 volts, 90°C
- Serrated barrel
- Packaged in convenient small quantities

Benefits

- Irradiated, thermally stabilized, high density polyolefin has inner wall of hot melt adhesive to insure watertight seal
- Provides easy wire range identification. #22-18 AWG Red, #16-14 AWG Blue, #12-10 AWG Yellow
- Provides maximum conductivity
- Provides low contact resistance
- May be crimped anywhere and will not split open, even under extreme operating stresses
- Ensures reliability for copper conductor
- "V" grooves inside barrel securely grip wire and prevent pullout
- Can be displayed on merchandise racks

A1

Spades/Forks



| Catalog Number | Wire Range | Stud Size | Maximum Wire Insulation |
|----------------|------------|-----------|-------------------------|
| 31122-B10 | 18-22 | 6 | .170 |
| 31123-B10 | 18-22 | 8 | .170 |
| 31124-B10 | 18-22 | 10 | .170 |
| 31322-B10 | 14-16 | 6 | .190 |
| 31323-B10 | 14-16 | 8 | .190 |
| 31324-B10 | 14-16 | 10 | .190 |
| 31422-B10 | 10-12 | 6 | .240 |
| 31423-B10 | 10-12 | 8 | .240 |
| 31424-B10 | 10-12 | 10 | .240 |

Flanged Forks



| Catalog Number | Wire Range | Stud Size | Maximum Wire Insulation |
|----------------|------------|-----------|-------------------------|
| 31122FL-B10 | 18-22 | 6 | .170 |
| 31123FL-B10 | 18-22 | 8 | .170 |
| 31124FL-B10 | 18-22 | 10 | .170 |
| 31322FL-B10 | 14-16 | 6 | .190 |
| 31323FL-B10 | 14-16 | 8 | .190 |
| 31324FL-B10 | 14-16 | 10 | .190 |
| 31422FL-B10 | 10-12 | 6 | .240 |
| 31423FL-B10 | 10-12 | 8 | .240 |
| 31424FL-B10 | 10-12 | 10 | .240 |

TYPE
CNS

Features

- Dual wall tubing
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Silver solder brazed seam
- UL Listed and CSA Certified for 600 volts, 90°C
- Serrated barrel
- Packaged in convenient small quantities

Benefits

- Irradiated, thermally stabilized, high density polyolefin has inner wall of hot melt adhesive to insure watertight seal
- Provides easy wire range identification. #22-18 AWG Red, #16-14 AWG Blue, #12-10 AWG Yellow
- Provides maximum conductivity
- Provides low contact resistance
- May be crimped anywhere and will not split open, even under extreme operating stresses
- Ensures reliability for copper conductor
- "V" grooves inside barrel securely grip wire and prevent pullout
- Can be displayed on merchandise racks

A1

Butt Splices



| Catalog Number | Wire Range | Maximum Wire Insulation |
|----------------|------------|-------------------------|
| 31130-B10 | 18-22 | .170 |
| 31330-B10 | 14-16 | .190 |
| 31430-B10 | 10-12 | .240 |
| 31530-B5 | 8 | .310 |

Quick Disconnects



| Catalog Number | Wire Range | Tab Size | Style | Maximum Wire Insulation |
|----------------|------------|-------------|--------|-------------------------|
| 30185-B10 | 18-22 | .187 x .020 | Male | .170 |
| 30195-B10 | 18-22 | .187 x .020 | Female | .170 |
| 30187-B10 | 18-22 | .250 x .032 | Male | .170 |
| 30197-B10 | 18-22 | .250 x .032 | Female | .170 |
| 30385-B10 | 14-16 | .187 x .020 | Male | .190 |
| 30395-B10 | 14-16 | .187 x .020 | Female | .190 |
| 30387-B10 | 14-16 | .250 x .032 | Male | .190 |
| 30397-B10 | 14-16 | .250 x .032 | Female | .190 |
| 30487-B10 | 10-12 | .250 x .032 | Male | .240 |
| 30497-B10 | 10-12 | .250 x .032 | Female | .240 |

Bullets/Receptacles



| Catalog Number | Wire Range | Style | Maximum Wire Insulation |
|----------------|------------|--------|-------------------------|
| 31369-B10 | 14-16 | Male | .190 |
| 30379-B10 | 14-16 | Female | .190 |

TYPE
ILSCONS

Features

- Crimp 'N Seal heat shrink connector kits provide a convenient and durable assortment of our most popular terminals.



Crimp 'N Seal® Splice Kit

Catalog Number 99102 Polyolefin Crimp 'N Seal®

A handy kit that includes our high quality ratchet crimp tool and our three most popular splices.

Kit Includes:

- | | | | |
|----|-----------------------|----|------------------------------|
| 15 | 22-18 CNS Butt Splice | 15 | 12-10 CNS Butt Splice |
| 15 | 16-14 CNS Butt Splice | 1 | 94130 CNS Ratchet Crimp Tool |



Crimp 'N Seal® Terminal Kit

Catalog Number 99300 Polyolefin Crimp 'N Seal®

A versatile kit with everything you need to cut, crimp, heat and seal your connection.

Kit Includes:

- | | | | |
|----|------------------------------|----|------------------------------------|
| 15 | 22-18 CNS Butt Splice | 20 | 16-14 1/4" Stud Ring Terminal |
| 15 | 16-14 CNS Butt Splice | 10 | 16-14 Fully Insulated Male Disc. |
| 15 | 12-10 CNS Butt Splice | 10 | 16-14 Fully Insulated Female Disc. |
| 20 | 22-18 #10 Stud Ring Terminal | 1 | 94145 Multi-Purpose Crimp Tool |
| 20 | 16-14 #10 Stud Ring Terminal | 1 | 94700 Shrink Jet Butane Heat Tool |
| 20 | 12-10 #10 Stud Ring Terminal | | |

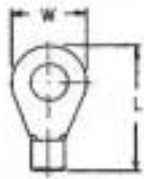
TYPE ILSCONS

Features

- Ring tongue
- Manufactured from high strength copper alloy
- Electro-tin plated
- Funnel wire entry
- Brazed barrel
- UL Listed

Benefits

- Secure termination that cannot be removed unless the mounting screw is removed
- Offers maximum conductivity
- Provides low contact resistance
- Smooth wire insertion into barrel
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor



| Catalog Number | Wire Range | Stud Size | Dimensions - in. (mm) | | | Installation Tool ILST-22K | Package Quantity |
|-----------------|------------|-----------|-----------------------|--------|--------------|-------------------------------|------------------|
| | | | L | | W | | |
| BRBR-18-6-P50 | 18-22 | 6 | 0.622 | (15.8) | 0.315 (8.0) | Die Set D1322 | 50 |
| BRBR-18-8-P50 | 18-22 | 8 | 0.622 | (15.8) | 0.315 (8.0) | Die Set D1322 | 50 |
| BRBR-18-10-P50 | 18-22 | 10 | 0.622 | (15.8) | 0.315 (8.0) | Die Set D1322 | 50 |
| BRBR-18-14-P50 | 18-22 | 1/4 | 0.858 | (21.8) | 0.457 (11.6) | Die Set D1322 | 50 |
| BRBR-18-516-P50 | 18-22 | 5/16 | 0.858 | (21.8) | 0.457 (11.6) | Die Set D1322 | 50 |
| BRBR-18-38-P25 | 18-22 | 3/8 | 1.004 | (25.5) | 0.535 (13.6) | Die Set D1322 | 25 |
| BRBR-14-6-P50 | 14-16 | 6 | 0.504 | (12.8) | 0.260 (6.6) | Die Set D1322 | 50 |
| BRBR-14-8-P50 | 14-16 | 8 | 0.650 | (16.5) | 0.335 (8.5) | Die Set D1322 | 50 |
| BRBR-14-10-P50 | 14-16 | 10 | 0.650 | (16.5) | 0.335 (8.5) | Die Set D1322 | 50 |
| BRBR-14-14-P50 | 14-16 | 1/4 | 0.858 | (21.8) | 0.472 (12.0) | Die Set D1322 | 50 |
| BRBR-14-516-P50 | 14-16 | 5/16 | 0.858 | (21.8) | 0.472 (12.0) | Die Set D1322 | 50 |
| BRBR-14-38-P25 | 14-16 | 3/8 | 1.004 | (25.5) | 0.535 (13.6) | Die Set D1322 | 25 |
| BRBR-14-12-P50 | 14-16 | 1/2 | 1.197 | (30.4) | 0.756 (19.2) | Die Set D1322 | 50 |
| BRBR-10-6-P50 | 10-12 | 6 | 0.748 | (19.0) | 0.374 (9.5) | Die Set D1322 | 50 |
| BRBR-10-8-P50 | 10-12 | 8 | 0.748 | (19.0) | 0.374 (9.5) | Die Set D1322 | 50 |
| BRBR-10-10-P50 | 10-12 | 10 | 0.748 | (19.0) | 0.374 (9.5) | Die Set D1322 | 50 |
| BRBR-10-14-P50 | 10-12 | 1/4 | 0.886 | (22.5) | 0.472 (12.0) | Die Set D1322 | 50 |
| BRBR-10-516-P50 | 10-12 | 5/16 | 1.063 | (27.0) | 0.591 (15.0) | Die Set D1322 | 50 |
| BRBR-10-38-P25 | 10-12 | 3/8 | 1.063 | (27.0) | 0.591 (15.0) | Die Set D1322 | 25 |
| BRBR-10-12-P25 | 10-12 | 1/2 | 1.244 | (31.6) | 0.756 (19.2) | Die Set D1322 | 25 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

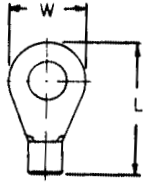
TYPE ILSCONS

Features

- Manufactured from high strength copper alloy
- Electro-tin plated
- Silver solder brazed seam

Benefits

- Provides maximum conductivity
- Provides low contact resistance
- May be crimped anywhere and will not split open, even under extreme operating stresses



| Catalog Number | Wire Range | Stud Size | Dimensions | |
|----------------|------------|-----------|------------|-----|
| | | | L | W |
| 44130-B10 | 8 | 10 | 1.20 | .59 |
| 44131-B10 | 8 | 1/4 | 1.20 | .59 |
| 44140-B10 | 6 | 10 | 1.18 | .47 |
| 44141-B10 | 6 | 1/4 | 1.18 | .47 |
| 44142-B10 | 6 | 5/16 | 1.26 | .63 |
| 44143-B10 | 6 | 3/8 | 1.26 | .63 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Can be supplied in bulk. Consult factory for part number. UL File E158587

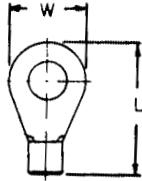
TYPE ILSCONS

Features

- Manufactured from high strength copper alloy
- Electro-tin plated
- Silver solder brazed seam

Benefits

- Provides maximum conductivity
- Provides low contact resistance
- May be crimped anywhere and will not split open, even under extreme operating stresses



| Catalog Number | Wire Range | Stud Size | Dimensions | |
|----------------|------------|-----------|------------|-----|
| | | | L | W |
| 44150-B10 | 4 | 10 | 1.30 | .66 |
| 44151-B10 | 4 | 1/4 | 1.30 | .66 |
| 44152-B10 | 4 | 5/16 | 1.30 | .66 |
| 44153-B10 | 4 | 3/8 | 1.30 | .66 |
| 44154-B10 | 4 | 7/16 | 1.30 | .66 |
| 44155-B10 | 4 | 1/2 | 1.90 | .88 |
| 44160-B10 | 2 | 10 | 1.55 | .60 |
| 44161-B10 | 2 | 1/4 | 1.55 | .60 |
| 44162-B10 | 2 | 5/16 | 1.55 | .70 |
| 44163-B10 | 2 | 3/8 | 1.55 | .70 |
| 44164-B10 | 2 | 7/16 | 1.55 | .81 |
| 44165-B10 | 2 | 1/2 | 1.93 | .81 |
| 44170-B2 | 1/0 | 1/4 | 1.93 | .88 |
| 44171-B2 | 1/0 | 5/16 | 1.93 | .88 |
| 44172-B2 | 1/0 | 3/8 | 1.93 | .88 |
| 44173-B2 | 1/0 | 7/16 | 1.93 | .88 |
| 44174-B2 | 1/0 | 1/2 | 1.93 | .88 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Can be supplied in bulk. Consult factory for part number. UL File E158587

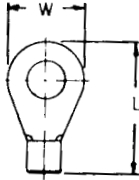
TYPE ILSCONS

Features

- Manufactured from high strength copper alloy
- Electro-tin plated
- Silver solder brazed seam

Benefits

- Provides maximum conductivity
- Provides low contact resistance
- May be crimped anywhere and will not split open, even under extreme operating stresses



| Catalog Number | Wire Range | Stud Size | Dimensions | |
|----------------|------------|-----------|------------|------|
| | | | L | W |
| 44180-B2 | 2/0 | 1/4 | 1.93 | .88 |
| 44181-B2 | 2/0 | 5/16 | 1.93 | .88 |
| 44182-B2 | 2/0 | 3/8 | 1.93 | .88 |
| 44183-B2 | 2/0 | 7/16 | 1.93 | .88 |
| 44184-B2 | 2/0 | 1/2 | 1.93 | .88 |
| 44190-B2 | 3/0 | 1/4 | 1.97 | .93 |
| 44191-B2 | 3/0 | 5/16 | 1.97 | .93 |
| 44192-B2 | 3/0 | 3/8 | 1.97 | .93 |
| 44193-B2 | 3/0 | 7/16 | 1.97 | .93 |
| 44194-B2 | 3/0 | 1/2 | 1.97 | .93 |
| 44195-B2 | 4/0 | 5/16 | 2.17 | 1.08 |
| 44196-B2 | 4/0 | 3/8 | 2.17 | 1.08 |
| 44197-B2 | 4/0 | 7/16 | 2.17 | 1.08 |
| 44198-B2 | 4/0 | 1/2 | 2.17 | 1.08 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Can be supplied in bulk. Consult factory for part number.

UL File E158587

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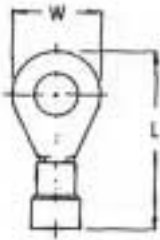
TYPE ILSCONS

Features

- Ring tongue
- Funnel wire entry
- Vinyl insulation
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed for 600 volts, 105° C

Benefits

- Secure termination that cannot be removed unless the mounting screw is removed
- Smooth wire insertion into barrel
- Provides corrosion resistance and strain relief
- Provide easy wire range identification
 - #18-22 AWG Red
 - #14-16 AWG Blue
 - #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor



| Catalog Number | Wire Range | Stud Size | Dimensions - in. (mm) | | | Installation Tool ILST-22K | Package Quantity | |
|-----------------|------------|-----------|-----------------------|--------|-------|-------------------------------|------------------|----|
| | | | L | | W | | | |
| VRBR-18-4-P50 | 18-22 | 4 | 0.689 | (17.5) | 0.217 | (5.5) | Die Set A | 50 |
| VRBR-18-6-P50 | 18-22 | 6 | 0.819 | (20.8) | 0.315 | (8.0) | Die Set A | 50 |
| VRBR-18-8-P50 | 18-22 | 8 | 0.819 | (20.8) | 0.315 | (8.0) | Die Set A | 50 |
| VRBR-18-10-P50 | 18-22 | 10 | 1.055 | (26.8) | 0.457 | (11.6) | Die Set A | 50 |
| VRBR-18-14-P50 | 18-22 | 1/4 | 1.055 | (26.8) | 0.457 | (11.6) | Die Set A | 50 |
| VRBR-18-516-P50 | 18-22 | 5/16 | 1.055 | (26.8) | 0.457 | (11.6) | Die Set A | 50 |
| VRBR-18-38-P25 | 18-22 | 3/8 | 1.201 | (30.5) | 0.535 | (13.6) | Die Set A | 25 |
| VRBR-14-6-P50 | 14-16 | 6 | 0.858 | (21.8) | 0.335 | (8.5) | Die Set A | 50 |
| VRBR-14-8-P50 | 14-16 | 8 | 0.858 | (21.8) | 0.335 | (8.5) | Die Set A | 50 |
| VRBR-14-10-P50 | 14-16 | 10 | 0.858 | (21.8) | 0.335 | (8.5) | Die Set A | 50 |
| VRBR-14-14-P50 | 14-16 | 1/4 | 1.055 | (26.8) | 0.472 | (12.0) | Die Set A | 50 |
| VRBR-14-516-P50 | 14-16 | 5/16 | 1.055 | (26.8) | 0.472 | (12.0) | Die Set A | 50 |
| VRBR-14-38-P25 | 14-16 | 3/8 | 1.201 | (30.5) | 0.535 | (13.6) | Die Set A | 25 |
| VRBR-14-12-P25 | 14-16 | 1/2 | 1.394 | (35.4) | 0.756 | (19.2) | Die Set A | 25 |
| VRBR-10-6-P25 | 10-12 | 6 | 0.894 | (22.7) | 0.283 | (7.2) | Die Set A | 25 |
| VRBR-10-8-P25 | 10-12 | 8 | 1.024 | (26.0) | 0.374 | (9.5) | Die Set A | 25 |
| VRBR-10-10-P25 | 10-12 | 10 | 1.024 | (26.0) | 0.374 | (9.5) | Die Set A | 25 |
| VRBR-10-14-P25 | 10-12 | 1/4 | 1.161 | (29.5) | 0.472 | (12.0) | Die Set A | 25 |
| VRBR-10-516-P25 | 10-12 | 5/16 | 1.339 | (34.0) | 0.591 | (15.0) | Die Set A | 25 |
| VRBR-10-38-P25 | 10-12 | 3/8 | 1.339 | (34.0) | 0.591 | (15.0) | Die Set A | 25 |
| VRBR-10-12-P25 | 10-12 | 1/2 | 1.520 | (38.6) | 0.756 | (19.2) | Die Set A | 25 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

TYPE ILSCONS

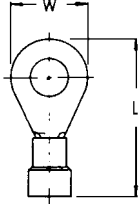
Features

- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Vinyl insulation

Benefits

- Provides easy wire range identification
#22-18 AWG Red
#16-14 AWG Blue
#12-10 AWG Yellow
- Provides maximum conductivity
- Provides low contact resistance
- Provides tough pliable insulative qualities to protect connectors and wire from corrosion as well as providing some strain relief

A1



| Catalog Number | Wire Range | Stud Size | Dimensions | | Maximum Wire Insulated Diameter |
|----------------|------------|-----------|------------|-----|---------------------------------|
| | | | L | W | |
| 44230-B5 | 8 | 10 | 1.28 | .47 | .385 |
| 44231-B5 | 8 | 1/4 | 1.28 | .47 | .385 |
| 44240-B5 | 6 | 10 | 1.62 | .47 | .440 |
| 44241-B5 | 6 | 1/4 | 1.62 | .47 | .440 |
| 44242-B5 | 6 | 5/16 | 1.70 | .63 | .440 |
| 44243-B5 | 6 | 3/8 | 1.70 | .63 | .440 |
| 44250-B5 | 4 | 10 | 1.81 | .66 | .515 |
| 44251-B5 | 4 | 1/4 | 1.81 | .66 | .515 |
| 44252-B5 | 4 | 5/16 | 1.81 | .66 | .515 |
| 44253-B5 | 4 | 3/8 | 1.81 | .66 | .515 |
| 44254-B5 | 4 | 7/16 | 1.81 | .66 | .515 |
| 44255-B5 | 4 | 1/2 | 2.41 | .88 | .515 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* Nylon Insulated Ring Can be supplied in bulk. Consult factory for part number. UL File E158587

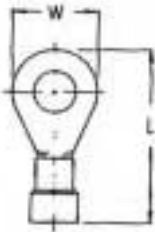
TYPE ILSCONS

Features

- Ring tongue
- Funnel wire entry
- Nylon insulation
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed for 600 volts, 105° C

Benefits

- Secure termination that cannot be removed unless the mounting screw is removed
- Smooth wire insertion into barrel
- Increased heat and chemical resistant qualities for more demanding applications
- Provide easy wire range identification
 - #18-22 AWG Red
 - #14-16 AWG Blue
 - #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor



| Catalog Number | Wire Range | Stud Size | Dimensions - in. (mm) | | | | Installation Tool ILST-22K | Package Quantity |
|-----------------|------------|-----------|-----------------------|--------|-------|--------|-------------------------------|------------------|
| | | | L | | W | | | |
| NRBR-18-6-P50 | 18-22 | 6 | 0.858 | (21.8) | 0.315 | (8.0) | Die Set A | 50 |
| NRBR-18-8-P50 | 18-22 | 8 | 0.858 | (21.8) | 0.315 | (8.0) | Die Set A | 50 |
| NRBR-18-10-P50 | 18-22 | 10 | 1.094 | (27.8) | 0.457 | (11.6) | Die Set A | 50 |
| NRBR-18-14-P50 | 18-22 | 1/4 | 1.094 | (27.8) | 0.457 | (11.6) | Die Set A | 50 |
| NRBR-18-516-P50 | 18-22 | 5/16 | 1.094 | (27.8) | 0.457 | (11.6) | Die Set A | 50 |
| NRBR-18-38-P25 | 18-22 | 3/8 | 1.240 | (31.5) | 0.535 | (13.6) | Die Set A | 25 |
| NRBR-14-6-P50 | 14-16 | 6 | 0.898 | (22.8) | 0.335 | (8.5) | Die Set A | 50 |
| NRBR-14-8-P50 | 14-16 | 8 | 0.898 | (22.8) | 0.355 | (9.0) | Die Set A | 50 |
| NRBR-14-10-P50 | 14-16 | 10 | 0.898 | (22.8) | 0.355 | (9.0) | Die Set A | 50 |
| NRBR-14-14-P50 | 14-16 | 1/4 | 1.094 | (27.8) | 0.472 | (12.0) | Die Set A | 50 |
| NRBR-14-516-P50 | 14-16 | 5/16 | 1.094 | (27.8) | 0.472 | (12.0) | Die Set A | 50 |
| NRBR-14-38-P25 | 14-16 | 3/8 | 1.240 | (31.5) | 0.535 | (13.6) | Die Set A | 25 |
| NRBR-14-12-P25 | 14-16 | 1/2 | 1.433 | (36.4) | 0.512 | (13.0) | Die Set A | 25 |
| NRBR-10-6-P25 | 10-12 | 6 | 0.894 | (22.7) | 0.283 | (7.2) | Die Set A | 25 |
| NRBR-10-8-P25 | 10-12 | 8 | 1.024 | (26.0) | 0.374 | (9.5) | Die Set A | 25 |
| NRBR-10-10-P25 | 10-12 | 10 | 1.024 | (26.0) | 0.374 | (9.5) | Die Set A | 25 |
| NRBR-10-14-P25 | 10-12 | 1/4 | 1.161 | (29.5) | 0.472 | (12.0) | Die Set A | 25 |
| NRBR-10-516-P25 | 10-12 | 5/16 | 1.339 | (34.0) | 0.591 | (15.0) | Die Set A | 25 |
| NRBR-10-38-P25 | 10-12 | 3/8 | 1.339 | (34.0) | 0.591 | (15.0) | Die Set A | 25 |
| NRBR-10-12-P20 | 10-12 | 1/2 | 1.520 | (38.6) | 0.756 | (19.2) | Die Set A | 20 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

TYPE ILSCONS

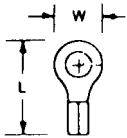
Features

- Manufactured from high strength steel alloy
- Electro-tin plated
- Silver solder brazed seam
- 900° F 482° C Continuous, 1200° F 649° C Intermittent

Benefits

- Provides maximum conductivity
- Provides low contact resistance
- May be crimped anywhere and will not split open, even under extreme operating stresses

A1



| Catalog Number | Wire Range | Stud Size | Dimensions | |
|----------------|------------|-----------|------------|-----|
| | | | L | W |
| 44300-B20 | 18-22 | 4-6 | .65 | .25 |
| 44301-B20 | 18-22 | 8-10 | .69 | .31 |
| 44302-B20 | 18-22 | 12-1/4 | .93 | .56 |
| 44310-B20 | 14-16 | 4-6 | .65 | .25 |
| 44311-B20 | 14-16 | 8-10 | .69 | .31 |
| 44312-B20 | 14-16 | 12-1/4 | .90 | .46 |
| 44320-B20 | 10-12 | 4-6 | .67 | .28 |
| 44321-B20 | 10-12 | 8-10 | .72 | .37 |
| 44322-B20 | 10-12 | 12-1/4 | .93 | .53 |
| 44323-B20 | 10-12 | 5/16-3/8 | .99 | .60 |
| 44330-B10 | 8 | 12-1/4 | .95 | .47 |
| 44340-B10 | 6 | 5/16-3/8 | 1.22 | .63 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Can be supplied in bulk. Consult factory for part number.

TYPE ILSCONS

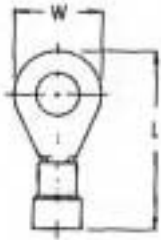
A1

Features

- Ring tongue
- Barrel allows for two crimps
- Funnel wire entry
- Nylon insulation
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed for 600 volts, 105° C

Benefits

- Secure termination that cannot be removed unless the mounting screw is removed
- Provides strain relief, prevents exposure of wire conductors
- Smooth wire insertion into barrel
- Increased heat and chemical resistant qualities for more demanding applications
- Provide easy wire range identification
 - #18-22 AWG Red
 - #14-16 AWG Blue
 - #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor



| Catalog Number | Wire Range | Stud Size | Dimensions - in. (mm) | | | Installation Tool ILST-22K | Package Quantity |
|------------------|------------|-----------|-----------------------|--------|--------------|-------------------------------|------------------|
| | | | L | | W | | |
| NRBRD-18-6-P50 | 18-22 | 6 | 0.858 | (21.8) | 0.315 (8.0) | Die Set B | 50 |
| NRBRD-18-8-P50 | 18-22 | 8 | 0.858 | (21.8) | 0.315 (8.0) | Die Set B | 50 |
| NRBRD-18-10-P50 | 18-22 | 10 | 1.094 | (27.8) | 0.457 (11.6) | Die Set B | 50 |
| NRBRD-18-14-P50 | 18-22 | 1/4 | 1.094 | (27.8) | 0.457 (11.6) | Die Set B | 50 |
| NRBRD-18-516-P50 | 18-22 | 5/16 | 1.094 | (27.8) | 0.457 (11.6) | Die Set B | 50 |
| NRBRD-18-38-P50 | 18-22 | 3/8 | 1.240 | (31.5) | 0.535 (13.6) | Die Set B | 50 |
| NRBRD-14-6-P50 | 14-16 | 6 | 0.898 | (22.8) | 0.335 (8.5) | Die Set B | 50 |
| NRBRD-14-8-P50 | 14-16 | 8 | 0.898 | (22.8) | 0.335 (8.5) | Die Set B | 50 |
| NRBRD-14-10-P50 | 14-16 | 10 | 0.898 | (22.8) | 0.335 (8.5) | Die Set B | 50 |
| NRBRD-14-14-P50 | 14-16 | 1/4 | 1.094 | (27.8) | 0.472 (12.0) | Die Set B | 50 |
| NRBRD-14-516-P50 | 14-16 | 5/16 | 1.094 | (27.8) | 0.472 (12.0) | Die Set B | 50 |
| NRBRD-14-38-P50 | 14-16 | 3/8 | 1.240 | (31.5) | 0.535 (13.6) | Die Set B | 50 |
| NRBRD-14-12-P50 | 14-16 | 1/2 | 1.433 | (36.4) | 0.756 (19.2) | Die Set B | 50 |
| NRBRD-10-6-P25 | 10-12 | 6 | 0.894 | (22.7) | 0.283 (7.2) | Die Set B | 25 |
| NRBRD-10-8-P25 | 10-12 | 8 | 1.024 | (26.0) | 0.374 (9.5) | Die Set B | 25 |
| NRBRD-10-10-P25 | 10-12 | 10 | 1.024 | (26.0) | 0.374 (9.5) | Die Set B | 25 |
| NRBRD-10-14-P25 | 10-12 | 1/4 | 1.161 | (29.5) | 0.472 (12.0) | Die Set B | 25 |
| NRBRD-10-516-P25 | 10-12 | 5/16 | 1.339 | (34.0) | 0.591 (15.0) | Die Set B | 25 |
| NRBRD-10-38-P25 | 10-12 | 3/8 | 1.339 | (34.0) | 0.591 (15.0) | Die Set B | 25 |
| NRBRD-10-12-P20 | 10-12 | 1/2 | 1.520 | (38.6) | 0.756 (19.2) | Die Set B | 20 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

TYPE ILSCONS

Features

- Ring tongue
- Multi-stud shape permits use with #6, #8, or #10 mounting screw
- Barrel allows for two crimps - NRBRD
- Funnel wire entry
- Vinyl insulation
- Nylon insulation
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed for 600 volts, 105° C

Benefits

- Secure termination that cannot be removed unless the mounting screw is removed
- Versatile with multiple mounting screw sizes
- Provides strain relief, prevents exposure of wire conductors
- Smooth wire insertion into barrel
- Provides corrosion resistance and strain relief
- Increased heat and chemical resistant qualities for more demanding applications
- Provide easy wire range identification
#18-22 AWG Red
#14-16 AWG Blue
#10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor

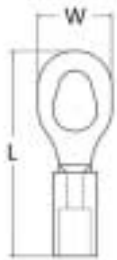


Fig. 1



Fig. 2



Fig. 3

| Catalog Number | Figure Number | Wire Range | Stud Size | Dimensions - in. (mm) | | | | Installation Tool ILST-22K | Package Quantity |
|--|---------------|------------|-----------|-----------------------|---------|-------|--------|-------------------------------|------------------|
| | | | | L | W | | | | |
| BRBR- Non-Insulated | | | | | | | | | |
| BRBR-18-6MS-P50 | 1 | 18-22 | #6-10 | 0.786 | (19.96) | 0.339 | (8.61) | Die Set D1322 | 50 |
| BRBR-14-6MS-P50 | 1 | 14-16 | #6-10 | 0.786 | (19.96) | 0.339 | (8.61) | Die Set D1322 | 50 |
| BRBR-10-6MS-P50 | 1 | 10-12 | #6-10 | 0.886 | (22.50) | 0.390 | (9.91) | Die Set D1322 | 50 |
| VRBR- Vinyl-Insulated | | | | | | | | | |
| VRBR-18-6MS-P50 | 2 | 18-22 | #6-10 | 0.957 | (24.31) | 0.339 | (8.61) | Die Set A | 50 |
| VRBR-14-6MS-P50 | 2 | 14-16 | #6-10 | 0.957 | (24.31) | 0.339 | (8.61) | Die Set A | 50 |
| VRBR-10-6MS-P25 | 2 | 10-12 | #6-10 | 1.154 | (29.31) | 0.390 | (9.91) | Die Set A | 25 |
| NRBR- Nylon-Insulated | | | | | | | | | |
| NRBR-18-6MS-P50 | 2 | 18-22 | #6-10 | 0.996 | (25.30) | 0.339 | (8.61) | Die Set A | 50 |
| NRBR-14-6MS-P50 | 2 | 14-16 | #6-10 | 0.996 | (25.30) | 0.339 | (8.61) | Die Set A | 50 |
| NRBR-10-6MS-P25 | 2 | 10-12 | #6-10 | 1.154 | (29.31) | 0.390 | (9.91) | Die Set A | 25 |
| NRBRD- Nylon-Insulated-Double Crimp | | | | | | | | | |
| NRBRD-18-6MS-P50 | 3 | 18-22 | #6-10 | 0.996 | (25.30) | 0.339 | (8.61) | Die Set B | 50 |
| NRBRD-14-6MS-P50 | 3 | 14-16 | #6-10 | 0.996 | (25.30) | 0.339 | (8.61) | Die Set B | 50 |
| NRBRD-10-6MS-P25 | 3 | 10-12 | #6-10 | 1.154 | (29.31) | 0.390 | (9.91) | Die Set B | 25 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

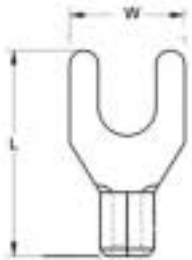
TYPE ILSCONS

Features

- Spade configuration
- Funnel wire entry
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed

Benefits

- Same benefit as the fork configuration, but with the added benefit of sides that are able to lie flat against barrier portion of terminal blocks
- Smooth wire insertion into barrel
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor



| Catalog Number | Wire Range | Stud Size | Dimensions - in. (mm) | | | | Installation Tool ILST-22K | Package Quantity |
|-----------------|------------|-----------|-----------------------|--------|-------|--------|-------------------------------|------------------|
| | | | L | | W | | | |
| BSBR-18-4-P50 | 18-22 | 4 | 0.630 | (16.0) | 0.224 | (5.7) | Die Set D1322 | 50 |
| BSBR-18-6-P50 | 18-22 | 6 | 0.630 | (16.0) | 0.283 | (7.2) | Die Set D1322 | 50 |
| BSBR-18-8-P50 | 18-22 | 8 | 0.630 | (16.0) | 0.319 | (8.1) | Die Set D1322 | 50 |
| BSBR-18-10-P50 | 18-22 | 10 | 0.630 | (16.0) | 0.374 | (9.5) | Die Set D1322 | 50 |
| BSBR-14-6-P50 | 14-16 | 6 | 0.630 | (16.0) | 0.283 | (7.2) | Die Set D1322 | 50 |
| BSBR-14-8-P50 | 14-16 | 8 | 0.630 | (16.0) | 0.319 | (8.1) | Die Set D1322 | 50 |
| BSBR-14-10-P50 | 14-16 | 10 | 0.630 | (16.0) | 0.366 | (9.3) | Die Set D1322 | 50 |
| BSBR-14-14-P50 | 14-16 | 1/4 | 0.630 | (16.0) | 0.366 | (9.3) | Die Set D1322 | 50 |
| BSBR-10-6-P50 | 10-12 | 6 | 0.728 | (18.5) | 0.327 | (8.3) | Die Set D1322 | 50 |
| BSBR-10-8-P50 | 10-12 | 8 | 0.720 | (18.3) | 0.327 | (8.3) | Die Set D1322 | 50 |
| BSBR-10-10-P50 | 10-12 | 10 | 0.720 | (18.3) | 0.354 | (9.0) | Die Set D1322 | 50 |
| BSBR-10-14-P50 | 10-12 | 1/4 | 0.965 | (24.5) | 0.472 | (12.0) | Die Set D1322 | 50 |
| BSBR-10-516-P50 | 10-12 | 5/16 | 0.925 | (23.5) | 0.551 | (14.0) | Die Set D1322 | 50 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

TYPE ILSCONS

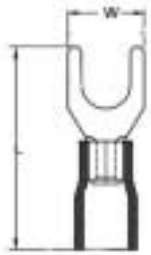
Features

- Spade configuration
- Funnel wire entry
- Vinyl insulation
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed for 600 volts, 75° C

Benefits

- Same benefit as fork configuration, but with the added benefit of sides that are able to lie flat against barrier portion of terminal blocks
- Smooth wire insertion into barrel
- Provides corrosion resistance and strain relief
- Provide easy wire range identification
 - #18-22 AWG Red
 - #14-16 AWG Blue
 - #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor

A1



| Catalog Number | Wire Range | Stud Size | Dimensions - in. (mm) | | | | Installation Tool ILST-22K | Package Quantity |
|----------------|------------|-----------|-----------------------|--------|-------|--------|-------------------------------|------------------|
| | | | L | | W | | | |
| VSB-18-4-P50 | 18-22 | 4 | 0.827 | (21.0) | 0.224 | (5.7) | Die Set A | 50 |
| VSB-18-6-P50 | 18-22 | 6 | 0.827 | (21.0) | 0.283 | (7.2) | Die Set A | 50 |
| VSB-18-8-P50 | 18-22 | 8 | 0.827 | (21.0) | 0.319 | (8.1) | Die Set A | 50 |
| VSB-18-10-P50 | 18-22 | 10 | 0.827 | (21.0) | 0.374 | (9.5) | Die Set A | 50 |
| VSB-18-14-P50 | 18-22 | 1/4 | 1.063 | (27.0) | 0.472 | (12.0) | Die Set A | 50 |
| VSB-14-6-P50 | 14-16 | 6 | 0.827 | (21.0) | 0.283 | (7.2) | Die Set A | 50 |
| VSB-14-8-P50 | 14-16 | 8 | 0.827 | (21.0) | 0.311 | (7.9) | Die Set A | 50 |
| VSB-14-10-P50 | 14-16 | 10 | 0.827 | (21.0) | 0.366 | (9.3) | Die Set A | 50 |
| VSB-14-14-P50 | 14-16 | 1/4 | 1.063 | (27.0) | 0.472 | (12.0) | Die Set A | 50 |
| VSB-10-6-P25 | 10-12 | 6 | 1.004 | (25.5) | 0.327 | (8.3) | Die Set A | 25 |
| VSB-10-8-P25 | 10-12 | 8 | 1.004 | (25.5) | 0.327 | (8.3) | Die Set A | 25 |
| VSB-10-10-P25 | 10-12 | 10 | 1.004 | (25.5) | 0.354 | (9.0) | Die Set A | 25 |
| VSB-10-14-P25 | 10-12 | 1/4 | 1.240 | (31.5) | 0.472 | (12.0) | Die Set A | 25 |
| VSB-10-516-P25 | 10-12 | 5 | 1.201 | (30.5) | 0.551 | (14.0) | Die Set A | 25 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

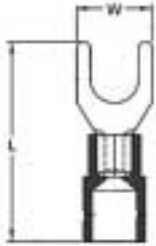
TYPE ILSCONS

Features

- Spade configuration
- Funnel wire entry
- Nylon insulation
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed for 600 volts, 105° C

Benefits

- Same benefit as the fork configuration, but with the added benefit of sides that are able to lie flat against barrier portion of terminal blocks
- Smooth wire insertion into barrel
- Increased heat and chemical resistant qualities for more demanding applications
- Provide easy wire range identification
 - #18-22 AWG Red
 - #14-16 AWG Blue
 - #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor



| Catalog Number | Wire Range | Stud Size | Dimensions - in. (mm) | | | Installation Tool ILST-22K | Package Quantity | |
|-----------------|------------|-----------|-----------------------|--------|-------|-------------------------------|------------------|----|
| | | | L | | W | | | |
| NSBR-18-6-P50 | 18-22 | 6 | 0.866 | (22.0) | 0.283 | (7.2) | Die Set A | 50 |
| NSBR-18-8-P50 | 18-22 | 8 | 0.866 | (22.0) | 0.319 | (8.1) | Die Set A | 50 |
| NSBR-18-10-P50 | 18-22 | 10 | 0.866 | (22.0) | 0.374 | (9.5) | Die Set A | 50 |
| NSBR-18-14-P50 | 18-22 | 1/4 | 1.102 | (28.0) | 0.472 | (12.0) | Die Set A | 50 |
| NSBR-14-6-P50 | 14-16 | 6 | 0.866 | (22.0) | 0.283 | (7.2) | Die Set A | 50 |
| NSBR-14-8-P50 | 14-16 | 8 | 0.866 | (22.0) | 0.311 | (7.9) | Die Set A | 50 |
| NSBR-14-10-P50 | 14-16 | 10 | 0.866 | (22.0) | 0.366 | (9.3) | Die Set A | 50 |
| NSBR-14-14-P50 | 14-16 | 1/4 | 1.102 | (28.0) | 0.472 | (12.0) | Die Set A | 50 |
| NSBR-10-6-P25 | 10-12 | 6 | 1.004 | (25.5) | 0.327 | (8.3) | Die Set A | 25 |
| NSBR-10-8-P25 | 10-12 | 8 | 1.004 | (25.5) | 0.327 | (8.3) | Die Set A | 25 |
| NSBR-10-10-P25 | 10-12 | 10 | 1.004 | (25.5) | 0.354 | (9.0) | Die Set A | 25 |
| NSBR-10-14-P25 | 10-12 | 1/4 | 1.240 | (31.5) | 0.472 | (12.0) | Die Set A | 25 |
| NSBR-10-516-P25 | 10-12 | 1/3 | 1.201 | (30.5) | 0.551 | (14.0) | Die Set A | 25 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

TYPE ILSCONS

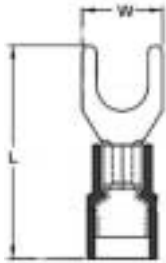
Features

- Spade configuration
- Barrel allows for two crimps
- Funnel wire entry
- Nylon insulation
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed for 600 volts, 105° C

Benefits

- Same benefit as the fork configuration, but with the added benefit of sides that are able to lie flat against barrier portion of terminal blocks
- Provides strain relief, prevents exposure of wire conductors
- Smooth wire insertion into barrel
- Increased heat and chemical resistant qualities for more demanding applications
- Provide easy wire range identification
 - #18-22 AWG Red
 - #14-16 AWG Blue
 - #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor

A1



| Catalog Number | Wire Range | Stud Size | Dimensions - in. (mm) | | | Installation Tool ILST-22K | Package Quantity |
|------------------|------------|-----------|-----------------------|--------|--------------|-------------------------------|------------------|
| | | | L | W | | | |
| NSBRD-18-6-P50 | 18-22 | 6 | 0.866 | (22.0) | 0.283 (7.2) | Die Set B | 50 |
| NSBRD-18-8-P50 | 18-22 | 8 | 0.866 | (22.0) | 0.319 (8.1) | Die Set B | 50 |
| NSBRD-18-10-P50 | 18-22 | 10 | 0.866 | (22.0) | 0.374 (9.5) | Die Set B | 50 |
| NSBRD-14-6-P50 | 14-16 | 6 | 0.866 | (22.0) | 0.283 (7.2) | Die Set B | 50 |
| NSBRD-14-8-P50 | 14-16 | 8 | 0.866 | (22.0) | 0.311 (7.9) | Die Set B | 50 |
| NSBRD-14-10-P50 | 14-16 | 10 | 0.866 | (22.0) | 0.366 (9.3) | Die Set B | 50 |
| NSBRD-14-14-P50 | 14-16 | 1/4 | 1.102 | (28.0) | 0.472 (12.0) | Die Set B | 50 |
| NSBRD-10-6-P25 | 10-12 | 6 | 1.004 | (25.5) | 0.327 (8.3) | Die Set B | 25 |
| NSBRD-10-8-P25 | 10-12 | 8 | 1.004 | (25.5) | 0.327 (8.3) | Die Set B | 25 |
| NSBRD-10-10-P25 | 10-12 | 10 | 1.004 | (25.5) | 0.354 (9.0) | Die Set B | 25 |
| NSBRD-10-14-P25 | 10-12 | 1/4 | 1.240 | (31.5) | 0.472 (12.0) | Die Set B | 25 |
| NSBRD-10-516-P25 | 10-12 | 5/16 | 1.201 | (30.5) | 0.551 (14.0) | Die Set B | 25 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

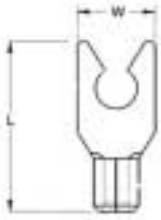
TYPE ILSCONS

Features

- Locking spade configuration
- Funnel wire entry
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed

Benefits

- Specially designed tongue that allows the ILSCON to go on like a fork, and stay on like a ring
- Smooth wire insertion into barrel
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor



| Catalog Number | Wire Range | Stud Size | Dimensions - in. (mm) | | | Installation Tool ILST-22K | Package Quantity | |
|-----------------|------------|-----------|-----------------------|--------|-------|-------------------------------|------------------|----|
| | | | L | | W | | | |
| BSLBR-18-6-P50 | 18-22 | 6 | 0.630 | (16.0) | 0.252 | (6.4) | Die Set D1322 | 50 |
| BSLBR-18-8-P50 | 18-22 | 8 | 0.630 | (16.0) | 0.319 | (8.1) | Die Set D1322 | 50 |
| BSLBR-18-10-P50 | 18-22 | 10 | 0.630 | (16.0) | 0.374 | (9.5) | Die Set D1322 | 50 |
| BSLBR-14-6-P50 | 14-16 | 6 | 0.630 | (16.0) | 0.236 | (6.0) | Die Set D1322 | 50 |
| BSLBR-14-8-P50 | 14-16 | 8 | 0.630 | (16.0) | 0.319 | (8.1) | Die Set D1322 | 50 |
| BSLBR-14-10-P50 | 14-16 | 10 | 0.630 | (16.0) | 0.366 | (9.3) | Die Set D1322 | 50 |
| BSLBR-10-6-P50 | 10-12 | 6 | 0.720 | (18.3) | 0.307 | (7.8) | Die Set D1322 | 50 |
| BSLBR-10-8-P50 | 10-12 | 8 | 0.717 | (18.2) | 0.327 | (8.3) | Die Set D1322 | 50 |
| BSLBR-10-10-P50 | 10-12 | 10 | 0.717 | (18.2) | 0.354 | (9.0) | Die Set D1322 | 50 |
| BSLBR-10-14-P50 | 10-12 | 1/4 | 0.965 | (24.5) | 0.472 | (12.0) | Die Set D1322 | 50 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

TYPE ILSCONS

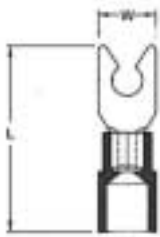
Features

- Locking spade configuration
- Funnel wire entry
- Nylon insulation
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed for 600 volts, 105° C

Benefits

- Specially designed tongue that allows the ILSCON to go on like a fork, and stay on like a ring
- Smooth wire insertion into barrel
- Increased heat and chemical resistant qualities for more demanding applications
- Provide easy wire range identification
 - #18-22 AWG Red
 - #14-16 AWG Blue
 - #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor

A1



| Catalog Number | Wire Range | Stud Size | Dimensions - in. (mm) | | | | Installation Tool ILST-22K | Package Quantity |
|-----------------|------------|-----------|-----------------------|--------|-------|--------|-------------------------------|------------------|
| | | | L | | W | | | |
| NSLBR-18-6-P50 | 18-22 | 6 | 0.866 | (22.0) | 0.252 | (6.4) | Die Set A | 50 |
| NSLBR-18-8-P50 | 18-22 | 8 | 0.866 | (22.0) | 0.319 | (8.1) | Die Set A | 50 |
| NSLBR-18-10-P50 | 18-22 | 10 | 0.866 | (22.0) | 0.374 | (9.5) | Die Set A | 50 |
| NSLBR-14-6-P50 | 14-16 | 6 | 0.866 | (22.0) | 0.236 | (6.0) | Die Set A | 50 |
| NSLBR-14-8-P50 | 14-16 | 8 | 0.866 | (22.0) | 0.319 | (8.1) | Die Set A | 50 |
| NSLBR-14-10-P50 | 14-16 | 10 | 0.866 | (22.0) | 0.366 | (9.3) | Die Set A | 50 |
| NSLBR-10-6-P25 | 10-12 | 6 | 0.992 | (25.2) | 0.327 | (8.3) | Die Set A | 25 |
| NSLBR-10-8-P25 | 10-12 | 8 | 0.992 | (25.2) | 0.327 | (8.3) | Die Set A | 25 |
| NSLBR-10-10-P25 | 10-12 | 10 | 0.992 | (25.2) | 0.354 | (9.0) | Die Set A | 25 |
| NSLBR-10-14-P25 | 10-12 | 1/4 | 1.240 | (31.5) | 0.472 | (12.0) | Die Set A | 25 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

TYPE ILSCONS

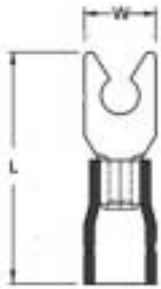
A1

Features

- Locking spade configuration
- Funnel wire entry
- Vinyl insulation
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed for 600 volts, 75° C

Benefits

- Specially designed tongue that allows the ILSCON to go on like a fork, and stay on like a ring
- Smooth wire insertion into barrel
- Provides corrosion resistance and strain relief
- Provide easy wire range identification
 - #18-22 AWG Red
 - #14-16 AWG Blue
 - #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor



| Catalog Number | Wire Range | Stud Size | Dimensions - in. (mm) | | | | Installation Tool ILST-22K | Package Quantity |
|-----------------|------------|-----------|-----------------------|--------|-------|--------|-------------------------------|------------------|
| | | | L | | W | | | |
| VSLBR-18-6-P50 | 18-22 | 6 | 0.827 | (21.0) | 0.252 | (6.4) | Die Set A | 50 |
| VSLBR-14-6-P50 | 14-16 | 6 | 0.827 | (21.0) | 0.236 | (6.0) | Die Set A | 50 |
| VSLBR-14-10-P50 | 14-16 | 10 | 0.827 | (21.0) | 0.366 | (9.3) | Die Set A | 50 |
| VSLBR-10-6-P25 | 10-12 | 6 | 0.992 | (25.2) | 0.327 | (8.3) | Die Set A | 25 |
| VSLBR-10-8-P25 | 10-12 | 8 | 0.992 | (25.2) | 0.327 | (8.3) | Die Set A | 25 |
| VSLBR-10-10-P25 | 10-12 | 10 | 0.992 | (25.2) | 0.354 | (9.0) | Die Set A | 25 |
| VSLBR-10-14-P25 | 10-12 | 1/4 | 1.240 | (31.5) | 0.472 | (12.0) | Die Set A | 25 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

TYPE ILSCONS

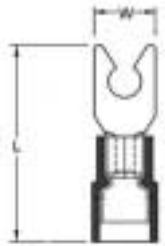
Features

- Locking spade configuration
- Barrel allows for two crimps
- Funnel wire entry
- Nylon insulation
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed for 600 volts, 105° C

Benefits

- Specially designed tongue that allows the ILSCON to go on like a fork, and stay on like a ring
- Provides strain relief, prevents exposure of wire conductors
- Smooth wire insertion into barrel
- Increased heat and chemical resistant qualities for more demanding applications
- Provide easy wire range identification
 - #18-22 AWG Red
 - #14-16 AWG Blue
 - #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor

A1



| Catalog Number | Wire Range | Stud Size | Dimensions - in. (mm) | | | | Installation Tool ILST-22K | Package Quantity |
|------------------|------------|-----------|-----------------------|--------|-------|--------|-------------------------------|------------------|
| | | | L | | W | | | |
| NSLBRD-18-6-P50 | 18-22 | 6 | 0.866 | (22.0) | 0.252 | (6.4) | Die Set B | 50 |
| NSLBRD-18-8-P50 | 18-22 | 8 | 0.866 | (22.0) | 0.319 | (8.1) | Die Set B | 50 |
| NSLBRD-18-10-P50 | 18-22 | 10 | 0.866 | (22.0) | 0.374 | (9.5) | Die Set B | 50 |
| NSLBRD-14-6-P50 | 14-16 | 6 | 0.866 | (22.0) | 0.236 | (6.0) | Die Set B | 50 |
| NSLBRD-14-8-P50 | 14-16 | 8 | 0.866 | (22.0) | 0.319 | (8.1) | Die Set B | 50 |
| NSLBRD-14-10-P50 | 14-16 | 10 | 0.866 | (22.0) | 0.366 | (9.3) | Die Set B | 50 |
| NSLBRD-10-6-P25 | 10-12 | 6 | 0.992 | (25.2) | 0.327 | (8.3) | Die Set B | 25 |
| NSLBRD-10-8-P25 | 10-12 | 8 | 0.992 | (25.2) | 0.327 | (8.3) | Die Set B | 25 |
| NSLBRD-10-10-P25 | 10-12 | 10 | 0.992 | (25.2) | 0.354 | (9.0) | Die Set B | 25 |
| NSLBRD-10-14-P25 | 10-12 | 1/4 | 1.240 | (31.5) | 0.472 | (12.0) | Die Set B | 25 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

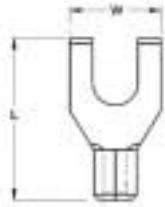
TYPE ILSCONS

Features

- Spade configuration
- Flanged design
- Funnel wire entry
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed

Benefits

- Same benefit as the fork configuration, but with the added benefit of sides that are able to lie flat against barrier portion of terminal blocks
- Provides extra secure connection on a variety of applications
- Smooth wire insertion into barrel
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor



| Catalog Number | Wire Range | Stud Size | Dimensions - in. (mm) | | | | Installation Tool ILST-22K | Package Quantity |
|-----------------|------------|-----------|-----------------------|--------|-------|-------|-------------------------------|------------------|
| | | | L | | W | | | |
| BSFBR-18-6-P50 | 18-22 | 6 | 0.551 | (14.0) | 0.295 | (7.5) | Die Set D1322 | 50 |
| BSFBR-18-8-P50 | 18-22 | 8 | 0.768 | (19.5) | 0.335 | (8.5) | Die Set D1322 | 50 |
| BSFBR-18-10-P50 | 18-22 | 10 | 0.768 | (19.5) | 0.335 | (8.5) | Die Set D1322 | 50 |
| BSFBR-14-6-P50 | 14-16 | 6 | 0.709 | (18.0) | 0.295 | (7.5) | Die Set D1322 | 50 |
| BSFBR-14-8-P50 | 14-16 | 8 | 0.709 | (18.0) | 0.335 | (8.5) | Die Set D1322 | 50 |
| BSFBR-14-10-P50 | 14-16 | 10 | 0.709 | (18.0) | 0.335 | (8.5) | Die Set D1322 | 50 |
| BSFBR-10-6-P50 | 10-12 | 6 | 0.787 | (20.0) | 0.335 | (8.5) | Die Set D1322 | 50 |
| BSFBR-10-8-P50 | 10-12 | 8 | 0.787 | (20.0) | 0.335 | (8.5) | Die Set D1322 | 50 |
| BSFBR-10-10-P50 | 10-12 | 10 | 0.787 | (20.0) | 0.335 | (8.5) | Die Set D1322 | 50 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Tested to UL 486A/B, UL File E6207

TYPE ILSCONS

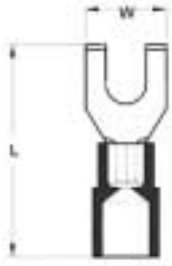
Features

- Spade configuration
- Flanged design
- Funnel wire entry
- Nylon insulation
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed for 600 volts, 105° C

Benefits

- Same benefit as the fork configuration, but with the added benefit of sides that are able to lie flat against barrier portion of terminal blocks
- Provides extra secure connection on a variety of applications
- Smooth wire insertion into barrel
- Increased heat and chemical resistant qualities for more demanding applications
- Provide easy wire range identification
 - #18-22 AWG Red
 - #14-16 AWG Blue
 - #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor

A1



| Catalog Number | Wire Range | Stud Size | Dimensions - in. (mm) | | | Installation Tool ILST-22K | Package Quantity |
|-----------------|------------|-----------|-----------------------|--------|-------------|-------------------------------|------------------|
| | | | L | | W | | |
| NSFBR-18-6-P50 | 18-22 | 6 | 0.787 | (20.0) | 0.295 (7.5) | Die Set A | 50 |
| NSFBR-18-8-P50 | 18-22 | 8 | 1.004 | (25.5) | 0.335 (8.5) | Die Set A | 50 |
| NSFBR-18-10-P50 | 18-22 | 10 | 1.004 | (25.5) | 0.335 (8.5) | Die Set A | 50 |
| NSFBR-14-6-P50 | 14-16 | 6 | 0.807 | (20.5) | 0.295 (7.5) | Die Set A | 50 |
| NSFBR-14-8-P50 | 14-16 | 8 | 0.945 | (24.0) | 0.335 (8.5) | Die Set A | 50 |
| NSFBR-14-10-P50 | 14-16 | 10 | 0.945 | (24.0) | 0.335 (8.5) | Die Set A | 50 |
| NSFBR-10-6-P25 | 10-12 | 6 | 1.063 | (27.0) | 0.335 (8.5) | Die Set A | 25 |
| NSFBR-10-8-P25 | 10-12 | 8 | 1.063 | (27.0) | 0.335 (8.5) | Die Set A | 25 |
| NSFBR-10-10-P25 | 10-12 | 10 | 1.063 | (27.0) | 0.335 (8.5) | Die Set A | 25 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

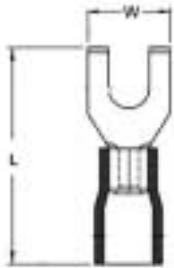
TYPE ILSCONS

Features

- Spade configuration
- Flanged design
- Funnel wire entry
- Vinyl insulation
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed for 600 volts, 105° C

Benefits

- Same benefit as fork configuration, but with the added benefit of sides that are able to lie flat against the barrier portion of terminal blocks
- Provides extra secure connection on a variety of applications
- Smooth wire insertion into barrel
- Provides corrosion resistance and strain relief
- Provide easy wire range identification
 - #18-22 AWG Red
 - #14-16 AWG Blue
 - #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor



| Catalog Number | Wire Range | Stud Size | Dimensions - in. (mm) | | | | | | Installation Tool ILST-22K | Package Quantity |
|-----------------|------------|-----------|-----------------------|--------|-------|-------|---------------------------------|-------|-------------------------------|------------------|
| | | | L | | W | | Maximum Wire Insulated Diameter | | | |
| VSFBR-18-6-P50 | 18-22 | 6 | 0.748 | (19.0) | 0.295 | (7.5) | 0.157 | (4.0) | Die Set A | 50 |
| VSFBR-18-8-P50 | 18-22 | 8 | 0.748 | (19.0) | 0.295 | (7.5) | 0.157 | (4.0) | Die Set A | 50 |
| VSFBR-18-10-P50 | 18-22 | 10 | 0.965 | (24.5) | 0.335 | (8.5) | 0.157 | (4.0) | Die Set A | 50 |
| VSFBR-14-6-P50 | 14-16 | 6 | 0.748 | (19.0) | 0.295 | (7.5) | 0.177 | (4.5) | Die Set A | 50 |
| VSFBR-14-8-P50 | 14-16 | 8 | 0.906 | (23.0) | 0.335 | (8.5) | 0.177 | (4.5) | Die Set A | 50 |
| VSFBR-14-10-P50 | 14-16 | 10 | 0.906 | (23.0) | 0.335 | (8.5) | 0.177 | (4.5) | Die Set A | 50 |
| VSFBR-10-6-P25 | 10-12 | 6 | 1.063 | (27.0) | 0.335 | (8.5) | 0.252 | (6.4) | Die Set A | 25 |
| VSFBR-10-8-P25 | 10-12 | 8 | 1.063 | (27.0) | 0.335 | (8.5) | 0.252 | (6.4) | Die Set A | 25 |
| VSFBR-10-10-P25 | 10-12 | 10 | 1.063 | (27.0) | 0.335 | (8.5) | 0.252 | (6.4) | Die Set A | 25 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

TYPE ILSCONS

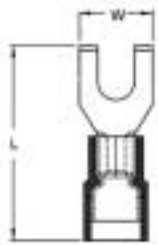
Features

- Spade configuration
- Flanged design
- Barrel allows for two crimps
- Funnel wire entry
- Nylon insulation
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed for 600 volts, 105° C

Benefits

- Same benefit as the fork configuration, but with the added benefit of sides that are able to lie flat against barrier portion of terminal blocks
- Provides extra secure connection on a variety of applications
- Provides strain relief, prevents exposure of wire conductors
- Smooth wire insertion into barrel
- Increased heat and chemical resistant qualities for more demanding applications
- Provide easy wire range identification
 - #18-22 AWG Red
 - #14-16 AWG Blue
 - #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor

A1



| Catalog Number | Wire Range | Stud Size | Dimensions - in. (mm) | | | Installation Tool ILST-22K | Package Quantity | |
|------------------|------------|-----------|-----------------------|--------|-------|-------------------------------|------------------|----|
| | | | L | | W | | | |
| NSFBRD-18-6-P50 | 18-22 | 6 | 0.787 | (20.0) | 0.295 | (7.5) | Die Set B | 50 |
| NSFBRD-18-8-P50 | 18-22 | 8 | 1.004 | (25.5) | 0.335 | (8.5) | Die Set B | 50 |
| NSFBRD-18-10-P50 | 18-22 | 10 | 1.004 | (25.5) | 0.335 | (8.5) | Die Set B | 50 |
| NSFBRD-14-6-P50 | 14-16 | 6 | 0.807 | (20.5) | 0.295 | (7.5) | Die Set B | 50 |
| NSFBRD-14-8-P50 | 14-16 | 8 | 0.945 | (24.0) | 0.335 | (8.5) | Die Set B | 50 |
| NSFBRD-14-10-P50 | 14-16 | 10 | 0.945 | (24.0) | 0.335 | (8.5) | Die Set B | 50 |
| NSFBRD-10-6-P25 | 10-12 | 6 | 1.063 | (27.0) | 0.335 | (8.5) | Die Set B | 25 |
| NSFBRD-10-8-P25 | 10-12 | 8 | 1.063 | (27.0) | 0.335 | (8.5) | Die Set B | 25 |
| NSFBRD-10-10-P25 | 10-12 | 10 | 1.063 | (27.0) | 0.335 | (8.5) | Die Set B | 25 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

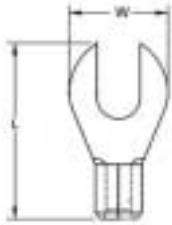
TYPE ILSCONS

Features

- Fork configuration
- Funnel entry
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed

Benefits

- Allows easy installation since mounting screw needs only to be loosened
- Smooth wire insertion into barrel
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor



| Catalog Number | Wire Range | Stud Size | Dimensions - in. (mm) | | | Installation Tool ILST-22K | Package Quantity |
|----------------|------------|-----------|-----------------------|--------|--------------|-------------------------------|------------------|
| | | | L | | W | | |
| BFBR-18-6-P50 | 18-22 | 6 | 0.531 | (13.5) | 0.260 (6.6) | Die Set D1322 | 50 |
| BFBR-18-8-P50 | 18-22 | 8 | 0.583 | (14.8) | 0.315 (8.0) | Die Set D1322 | 50 |
| BFBR-18-10-P50 | 18-22 | 10 | 0.567 | (14.4) | 0.315 (8.0) | Die Set D1322 | 50 |
| BFBR-18-14-P50 | 18-22 | 1/4 | 0.799 | (20.3) | 0.457 (11.6) | Die Set D1322 | 50 |
| BFBR-14-6-P50 | 14-16 | 6 | 0.531 | (13.5) | 0.260 (6.6) | Die Set D1322 | 50 |
| BFBR-14-8-P50 | 14-16 | 8 | 0.626 | (15.9) | 0.335 (8.5) | Die Set D1322 | 50 |
| BFBR-14-10-P50 | 14-16 | 10 | 0.614 | (15.6) | 0.374 (9.5) | Die Set D1322 | 50 |
| BFBR-14-14-P50 | 14-16 | 1/4 | 0.807 | (20.5) | 0.472 (12.0) | Die Set D1322 | 50 |
| BFBR-10-8-P50 | 10-12 | 8 | 0.563 | (14.3) | 0.283 (7.2) | Die Set D1322 | 50 |
| BFBR-10-10-P50 | 10-12 | 10 | 0.732 | (18.6) | 0.374 (9.5) | Die Set D1322 | 50 |
| BFBR-10-14-P50 | 10-12 | 1/4 | 0.835 | (21.2) | 0.472 (12.0) | Die Set D1322 | 50 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

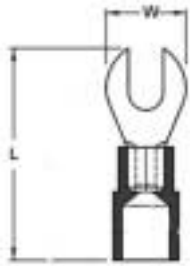
TYPE ILSCONS

Features

- Fork configuration
- Funnel wire entry
- Nylon insulation
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed for 600 volts, 105° C

Benefits

- Allows easy installation since mounting screw needs only to be loosened
- Smooth wire insertion into barrel
- Increased heat and chemical resistant qualities for more demanding applications
- Provide easy wire range identification
 - #18-22 AWG Red
 - #14-16 AWG Blue
 - #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor



| Catalog Number | Wire Range | Stud Size | Dimensions - in. (mm) | | | | Installation Tool ILST-22K | Package Quantity |
|----------------|------------|-----------|-----------------------|--------------|---------------------------------|--|-------------------------------|------------------|
| | | | L | W | Maximum Wire Insulated Diameter | | | |
| NFBR-18-14-P50 | 18-22 | 1/4 | 1.035 (26.3) | 0.457 (11.6) | 0.157 (4.0) | | Die Set A | 50 |
| NFBR-14-6-P50 | 14-16 | 6 | 0.768 (19.5) | 0.260 (6.6) | 0.177 (4.5) | | Die Set A | 50 |
| NFBR-14-14-P50 | 14-16 | 1/4 | 1.043 (26.5) | 0.472 (12.0) | 0.177 (4.5) | | Die Set A | 50 |
| NFBR-10-14-P25 | 10-12 | 1/4 | 1.110 (28.2) | 0.472 (12.0) | 0.252 (6.4) | | Die Set A | 50 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

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TYPE

ILSCONS

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Features

- Fork configuration
- Funnel wire entry
- Vinyl insulation
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed for 600 volts, 105° C

Benefits

- Allows easy installation since mounting screw needs only to be loosened
- Smooth wire insertion into barrel
- Provides corrosion resistance and strain relief
- Provide easy wire range identification
 - #18-22 AWG Red
 - #14-16 AWG Blue
 - #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor



| Catalog Number | Wire Range | Stud Size | Dimensions - in. (mm) | | | | Installation Tool | Package Quantity |
|----------------|------------|-----------|-----------------------|--------|-------|--------|-------------------|------------------|
| | | | L | | W | | | |
| VFBR-18-14-P50 | 18-22 | 1/4 | 0.996 | (25.3) | 0.457 | (11.6) | Die Set A | 50 |
| VFBR-14-14-P50 | 14-16 | 1/4 | 1.004 | (25.5) | 0.472 | (12.0) | Die Set A | 50 |
| VFBR-10-14-P25 | 10-12 | 1/4 | 1.110 | (28.2) | 0.472 | (12.0) | Die Set A | 25 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

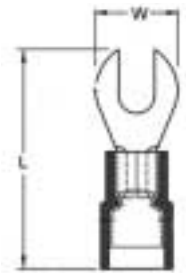
TYPE ILSCONS

Features

- Fork tongue
- Barrel allows for two crimps
- Funnel wire entry
- Nylon insulation
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed for 600 volts, 105° C

Benefits

- Allows easy installation since mounting screw needs only to be loosened
- Provides strain relief, prevents exposure of wire conductors
- Smooth wire insertion into barrel
- Increased heat and chemical resistant qualities for more demanding applications
- Provide easy wire range identification
 - #18-22 AWG Red
 - #14-16 AWG Blue
 - #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor



| Catalog Number | Wire Range | Stud Size | Dimensions - in. (mm) | | | | Installation Tool ILST-22K | Package Quantity |
|-----------------|------------|-----------|-----------------------|--------|-------|--------|-------------------------------|------------------|
| | | | L | | W | | | |
| NFBRD-18-6-P50 | 18-22 | 6 | 0.768 | (19.5) | 0.260 | (6.6) | Die Set B | 50 |
| NFBRD-18-14-P50 | 18-22 | 1/4 | 1.035 | (26.3) | 0.457 | (11.6) | Die Set B | 50 |
| NFBRD-14-8-P50 | 14-16 | 8 | 0.862 | (21.9) | 0.335 | (8.5) | Die Set B | 50 |
| NFBRD-14-14-P50 | 14-16 | 1/4 | 1.047 | (26.6) | 0.472 | (12.0) | Die Set B | 50 |
| NFBRD-10-8-P25 | 10-12 | 8 | 0.839 | (21.3) | 0.283 | (7.2) | Die Set B | 25 |
| NFBRD-10-10-P25 | 10-12 | 10 | 1.008 | (25.6) | 0.374 | (9.5) | Die Set B | 25 |
| NFBRD-10-14-P25 | 10-12 | 1/4 | 1.110 | (28.2) | 0.472 | (12.0) | Die Set B | 25 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Tested to UL 486A/B, UL File E6207

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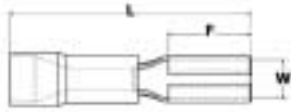
TYPE ILSCONS

Features

- Female disconnect configuration
- Barrel allows for two crimps - NDFTD
- Funnel wire entry
- Vinyl insulation - VDFT
- Nylon insulation - NDFT, NDFTD
- Color coded
- Manufactured from high strength brass alloy
- Electro-tin plated
- UL Listed

Benefits

- Allows for fast, reliable, convenient connection to male tab without the use of tools
- Provides strain relief, prevents exposure of wire conductors
- Smooth wire insertion into barrel
- Provides corrosion resistance and strain relief
- Increased heat and chemical resistant qualities for more demanding applications
- Provide easy wire range identification
 - #18-22 AWG Red
 - #14-16 AWG Blue
 - #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Ensures reliability for brass conductor



| Catalog Number | Wire Range | Voltage Rating | Temperature Rating | Dimensions - in. (mm) | | | Tab Size | Installation Tool ILST-22K | Package Quantity |
|---|------------|----------------|--------------------|-----------------------|--------------|--------------|-------------|-------------------------------|------------------|
| | | | | L | W | F | | | |
| VDFT- Vinyl Insulated- Female | | | | | | | | | |
| VDFT-18-110-P50 | 18-22 | 300 V | 75° C | 0.732 (18.59) | 0.126 (3.20) | 0.256 (6.50) | .110 x .020 | Die Set C | 50 |
| VDFT-18-187-P50 | 18-22 | 300 V | 75° C | 0.748 (19.00) | 0.197 (5.00) | 0.252 (6.40) | .187 x .020 | Die Set C | 50 |
| VDFT-18-250-P50 | 18-22 | 300 V | 75° C | 0.807 (20.50) | 0.260 (6.60) | 0.295 (7.49) | .250 x .032 | Die Set C | 50 |
| VDFT-14-110-P50 | 14-16 | 300 V | 75° C | 0.732 (18.59) | 0.126 (3.20) | 0.256 (6.50) | .110 x .020 | Die Set C | 50 |
| VDFT-14-187-P50 | 14-16 | 300 V | 75° C | 0.748 (19.00) | 0.197 (5.00) | 0.252 (6.40) | .187 x .020 | Die Set C | 50 |
| VDFT-14-250-P50 | 14-16 | 300 V | 75° C | 0.807 (20.50) | 0.260 (6.60) | 0.295 (7.49) | .250 x .032 | Die Set C | 50 |
| VDFT-10-250-P25 | 10-12 | 300 V | 75° C | 0.925 (23.50) | 0.260 (6.60) | 0.295 (7.49) | .250 x .032 | Die Set C | 25 |
| NDFT- Nylon-Insulated- Female | | | | | | | | | |
| NDFT-18-110-P50 | 18-22 | 300 V | 105° C | 0.772 (19.61) | 0.126 (3.20) | 0.256 (6.50) | .110 x .020 | Die Set C | 50 |
| NDFT-18-187-P50 | 18-22 | 300 V | 105° C | 0.787 (19.99) | 0.197 (5.00) | 0.252 (6.40) | .187 x .020 | Die Set C | 50 |
| NDFT-18-250-P50 | 18-22 | 300 V | 105° C | 0.846 (21.49) | 0.260 (6.60) | 0.295 (7.49) | .250 x .032 | Die Set C | 50 |
| NDFT-14-110-P50 | 14-16 | 300 V | 105° C | 0.772 (19.61) | 0.126 (3.20) | 0.256 (6.50) | .110 x .020 | Die Set C | 50 |
| NDFT-14-187-P50 | 14-16 | 300 V | 105° C | 0.787 (19.99) | 0.197 (5.00) | 0.252 (6.40) | .187 x .020 | Die Set C | 50 |
| NDFT-14-250-P50 | 14-16 | 300 V | 105° C | 0.846 (21.49) | 0.260 (6.60) | 0.295 (7.49) | .250 x .032 | Die Set C | 50 |
| NDFT-10-250-P25 | 10-12 | 300 V | 105° C | 0.925 (23.50) | 0.260 (6.60) | 0.295 (7.49) | .250 x .032 | Die Set C | 25 |
| NDFTD- Nylon-Insulated- Female- Double Crimp | | | | | | | | | |
| NDFTD-18-110-P50 | 18-22 | 600 V | 105° C | 0.772 (19.61) | 0.126 (3.20) | 0.256 (6.50) | .110 x .020 | Die Set B | 50 |
| NDFTD-18-187-P50 | 18-22 | 600 V | 105° C | 0.787 (19.99) | 0.197 (5.00) | 0.252 (6.40) | .187 x .020 | Die Set B | 50 |
| NDFTD-18-250-P50 | 18-22 | 600 V | 105° C | 0.846 (21.49) | 0.260 (6.60) | 0.295 (7.49) | .250 x .032 | Die Set B | 50 |
| NDFTD-14-110-P50 | 14-16 | 600 V | 105° C | 0.772 (19.61) | 0.126 (3.20) | 0.256 (6.50) | .110 x .020 | Die Set B | 50 |
| NDFTD-14-187-P50 | 14-16 | 600 V | 105° C | 0.787 (19.99) | 0.197 (5.00) | 0.252 (6.40) | .187 x .020 | Die Set B | 50 |
| NDFTD-14-250-P50 | 14-16 | 600 V | 105° C | 0.846 (21.49) | 0.260 (6.60) | 0.295 (7.49) | .250 x .032 | Die Set B | 50 |
| NDFTD-10-187-P25 | 10-12 | 600 V | 105° C | 0.866 (22.00) | 0.197 (5.00) | 0.256 (6.50) | .187 x .020 | Die Set B | 25 |
| NDFTD-10-250-P25 | 10-12 | 600 V | 105° C | 0.925 (23.50) | 0.260 (6.60) | 0.295 (7.49) | .250 x .032 | Die Set B | 25 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 310, UL File E474613

TYPE ILSCONS

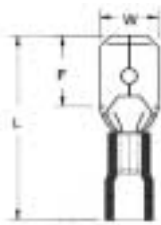
Features

- Male disconnect configuration
- Barrel allows for two crimps - NDMTD
- Funnel wire entry
- Vinyl insulation - VDMT
- Nylon insulation - NDMT, NDMTD
- Color coded
- Manufactured from high strength brass alloy
- Electro-tin plated
- UL Listed

Benefits

- Mates with matching female tab sizes to ensure a firm grip
- Provides strain relief, prevents exposure of wire conductors
- Smooth wire insertion into barrel
- Provides corrosion resistance and strain relief
- Increased heat and chemical resistant qualities for more demanding applications
- Provide easy wire range identification
 - #18-22 AWG Red
 - #14-16 AWG Blue
 - #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Ensures reliability for brass conductor

A1



| Catalog Number | Wire Range | Voltage Rating | Temperature Rating | Dimensions - in. (mm) | | | Tab Size | Installation Tool ILST-22K | Package Quantity |
|---|------------|----------------|--------------------|-----------------------|--------------|--------------|-------------|-------------------------------|------------------|
| | | | | L | W | F | | | |
| VDMT- Vinyl-Insulated- Male | | | | | | | | | |
| VDMT-18-110-P50 | 18-22 | 300 V | 75° C | 0.728 (18.49) | 0.110 (2.79) | 0.256 (6.50) | .110 x .020 | Die Set C | 50 |
| VDMT-18-187-P50 | 18-22 | 300 V | 75° C | 0.748 (19.00) | 0.189 (4.80) | 0.256 (6.50) | .187 x .020 | Die Set C | 50 |
| VDMT-18-250-P50 | 18-22 | 300 V | 75° C | 0.827 (21.01) | 0.250 (6.35) | 0.303 (7.70) | .250 x .032 | Die Set C | 50 |
| VDMT-14-187-P50 | 14-16 | 300 V | 75° C | 0.748 (19.00) | 0.189 (4.80) | 0.256 (6.50) | .187 x .020 | Die Set C | 50 |
| VDMT-14-250-P50 | 14-16 | 300 V | 75° C | 0.827 (21.01) | 0.250 (6.35) | 0.303 (7.70) | .250 x .032 | Die Set C | 50 |
| VDMT-10-250-P25 | 10-12 | 300 V | 75° C | 0.945 (24.00) | 0.250 (6.35) | 0.303 (7.70) | .250 x .032 | Die Set C | 25 |
| NDMT- Nylon- Insulated- Male | | | | | | | | | |
| NDMT-18-110-P50 | 18-22 | 300 V | 105° C | 0.768 (19.51) | 0.110 (2.79) | 0.256 (6.50) | .110 x .020 | Die Set C | 50 |
| NDMT-18-187-P50 | 18-22 | 300 V | 105° C | 0.787 (19.99) | 0.189 (4.80) | 0.256 (6.50) | .187 x .020 | Die Set C | 50 |
| NDMT-18-250-P50 | 18-22 | 300 V | 105° C | 0.866 (22.00) | 0.250 (6.35) | 0.303 (7.70) | .250 x .032 | Die Set C | 50 |
| NDMT-14-187-P50 | 14-16 | 300 V | 105° C | 0.787 (19.99) | 0.189 (4.80) | 0.256 (6.50) | .187 x .020 | Die Set C | 50 |
| NDMT-14-250-P50 | 14-16 | 300 V | 105° C | 0.866 (22.00) | 0.250 (6.35) | 0.303 (7.70) | .250 x .032 | Die Set C | 50 |
| NDMT-10-250-P25 | 10-12 | 300 V | 105° C | 0.945 (24.00) | 0.250 (6.35) | 0.303 (7.70) | .250 x .032 | Die Set C | 25 |
| NDMTD- Nylon-Insulated- Male- Double Crimp | | | | | | | | | |
| NDMTD-18-110-P50 | 18-22 | 600 V | 105° C | 0.768 (19.51) | 0.110 (2.79) | 0.256 (6.50) | .110 x .020 | Die Set B | 50 |
| NDMTD-18-187-P50 | 18-22 | 600 V | 105° C | 0.787 (19.99) | 0.189 (4.80) | 0.256 (6.50) | .187 x .020 | Die Set B | 50 |
| NDMTD-18-250-P50 | 18-22 | 600 V | 105° C | 0.866 (22.00) | 0.250 (6.35) | 0.303 (7.70) | .250 x .032 | Die Set B | 50 |
| NDMTD-14-187-P50 | 14-16 | 600 V | 105° C | 0.787 (19.99) | 0.189 (4.80) | 0.256 (6.50) | .187 x .020 | Die Set B | 50 |
| NDMTD-14-250-P50 | 14-16 | 600 V | 105° C | 0.874 (22.20) | 0.250 (6.35) | 0.303 (7.70) | .250 x .032 | Die Set B | 50 |
| NDMTD-10-250-P25 | 10-12 | 600 V | 105° C | 0.945 (24.00) | 0.250 (6.35) | 0.303 (7.70) | .250 x .032 | Die Set B | 25 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 310, UL File E474613

TYPE ILSCONS

Features

- Female and male disconnect configurations
- Industry standard sizes
- Fully insulated

- Funnel wire entry
- Vinyl insulation - VFIDT
- Nylon insulation - NFIFT, NFIMT

- Color coded

- Manufactured from high strength brass alloy
- Electro-tin plated
- UL Listed, see ratings in chart below

Benefits

- Allows for reliable, easy and quick connection/disconnection
- Mates with matching tab sizes to ensure a firm grip
- Provides protection from electrical shorts and eliminates the need for post installation insulation
- Smooth wire insertion into barrel
- Provides corrosion resistance and strain relief
- Increased heat and chemical resistant qualities for more demanding applications
- Provide easy wire range identification
 - #18-22 AWG Red
 - #14-16 AWG Blue
 - #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Ensures reliability for brass conductor

A1

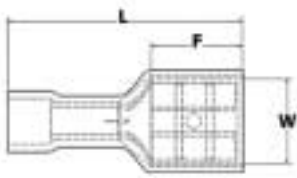


Fig. 1



Fig. 2

| Catalog Number | Figure Number | Wire Range | Voltage Rating | Temperature Rating | Dimensions - in. (mm) | | | Tab Size | Installation Tool ILST-22K | Package Quantity |
|--|---------------|------------|----------------|--------------------|-----------------------|--------------|--------------|-------------|-------------------------------|------------------|
| | | | | | L | W | F | | | |
| VFIDT - Vinyl Insulation - Female | | | | | | | | | | |
| VFIDT-18-187-P50 | 1 | 18-22 | 300 V | 75° C | 0.768 (19.51) | 0.197 (5.00) | 0.252 (6.40) | .187 x .020 | Die Set C | 50 |
| VFIDT-10-250-P25 | 1 | 10-12 | 300 V | 75° C | 0.957 (24.31) | 0.260 (6.60) | 0.295 (7.49) | .250 x .032 | Die Set C | 50 |
| NFIFT-Nylon Insulation - Female | | | | | | | | | | |
| NFIFT-18-250-P50 | 1 | 18-22 | 300 V | 105° C | 0.886 (22.50) | 0.260 (6.60) | 0.295 (7.49) | .250 x .032 | Die Set C | 50 |
| NFIFT-14-250-P50 | 1 | 14-16 | 300 V | 105° C | 0.866 (22.00) | 0.260 (6.60) | 0.295 (7.49) | .250 x .032 | Die Set C | 50 |
| NFIFT-10-250-P25 | 1 | 10-12 | 300 V | 105° C | 0.945 (24.00) | 0.260 (6.60) | 0.295 (7.49) | .250 x .032 | Die Set C | 25 |
| NFIMT-Nylon Insulation - Male | | | | | | | | | | |
| NFIMT-18-250-P25 | 2 | 18-22 | 300 V | 105° C | 0.945 (21.46) | 0.250 (6.35) | 0.303 (7.70) | .250 x .032 | Die Set C | 50 |
| NFIMT-14-250-P25 | 2 | 14-16 | 300 V | 105° C | 0.945 (24.00) | 0.250 (6.35) | 0.303 (7.70) | .250 x .032 | Die Set C | 50 |
| NFIMT-10-250-P25 | 2 | 10-12 | 300 V | 105° C | 0.984 (24.99) | 0.250 (6.35) | 0.303 (7.70) | .250 x .032 | Die Set C | 25 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 310, UL File E474613

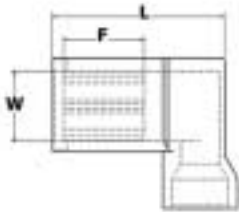
TYPE ILSCONS

Features

- Configuration of a right angel female disconnect
- Barrel allow for two crimps
- Funnel wire entry
- Nylon insulation
- Color coded
- Manufactured from high strength brass alloy
- Electro-tin plated
- Brazed barrel
- UL Listed for 600 volts, 105° C

Benefits

- Allows for multiple configurations where space is limited or when a conductor is square to the connector
- Stronger crimp connection that will not split open, prevents wire pull out
- Smooth wire insertion into barrel
- Increased heat and chemical resistant qualities for more demanding applications
- Provide easy wire range identification
 - #18-22 AWG Red
 - #14-16 AWG Blue
 - #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Provides strain relief, prevents exposure of wire conductors
- Ensures reliability for copper conductor



| Catalog Number | Wire Range | Dimensions - in. (mm) | | | | | | Installation Tooling ILST-22K | Package Quantity |
|---|------------|-----------------------|---------|-------|--------|-------|--------|----------------------------------|------------------|
| | | L | | W | | F | | | |
| NFLB- Nylon-Insulated | | | | | | | | | |
| NFLB-18-250-P25 | 18-22 | 0.598 | (15.19) | 0.260 | (6.60) | 0.299 | (7.59) | Die Set FA | 25 |
| NFLB-14-250-P25 | 14-16 | 0.598 | (15.19) | 0.260 | (6.60) | 0.299 | (7.59) | Die Set FA | 25 |
| NFLB-10-250-P25 | 10-12 | 0.650 | (16.51) | 0.260 | (6.60) | 0.299 | (7.59) | Die Set FA | 25 |
| NFLBD- Nylon-Insulated- Double Crimp | | | | | | | | | |
| NFLBD-18-187-P25 | 18-22 | 0.748 | (19.00) | 0.197 | (5.00) | 0.244 | (6.20) | Die Set B | 25 |
| NFLBD-18-250-P25 | 18-22 | 0.819 | (20.80) | 0.260 | (6.60) | 0.295 | (7.49) | Die Set B | 25 |
| NFLBD-14-187-P25 | 14-16 | 0.748 | (19.00) | 0.197 | (5.00) | 0.244 | (6.20) | Die Set B | 25 |
| NFLBD-14-250-P25 | 14-16 | 0.819 | (20.80) | 0.260 | (6.60) | 0.295 | (7.49) | Die Set B | 25 |
| NFLBD-10-250-P20 | 10-12 | 0.906 | (23.01) | 0.260 | (6.60) | 0.295 | (7.49) | - | |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 310, UL File E474613

A1

TYPE ILSCONS

Features

- Bullet configurations in standard sizes
- Barrel allows for two crimps - NBFTD, NBMTD
- Funnel wire entry
- Vinyl insulation - VBFT, VBMT, VFIBT
- Nylon insulation - NBFT, NBFTD, NBMT, NBMTD, NFIDT
- Color coded
- Manufactured from high strength brass alloy
- Electro-tin plated
- UL Recognized

Benefits

- Reliable, convenient in-line connection
- Provides strain relief of wire, prevents exposure of wire conductors
- Smooth wire insertion into barrel
- Provides corrosion resistance and strain relief
- Increased heat and chemical resistant qualities for more demanding applications
- Provide easy wire range identification
 - #18-22 AWG Red
 - #14-16 AWG Blue
 - #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Ensures reliability for brass conductor

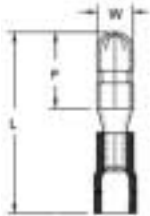


Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6

| Catalog Number | Figure Number | Wire Range | Voltage Rating | Temperature Rating | Dimensions - in. (mm) | | | Commonly Mates With | Installation Tool ILST-22K | Package Quantity |
|---|---------------|------------|----------------|--------------------|-----------------------|--------------|---------------|---------------------|----------------------------|------------------|
| | | | | | L | W | F | | | |
| VBFT- Vinyl-Insulated- Female | | | | | | | | | | |
| VBFT-18-156-P50 | 1 | 18-22 | 300 V | 50° C | 0.846 (21.49) | 0.154 (3.91) | 0.276 (7.01) | VBMT-18-156-P50 | Die Set C | 50 |
| VBFT-14-156-P50 | 1 | 14-16 | 300 V | 50° C | 0.846 (21.49) | 0.154 (3.91) | 0.276 (7.01) | VBMT-14-156-P50 | Die Set C | 50 |
| VBFT-10-195-P25 | 1 | 10-12 | 300 V | 50° C | 0.965 (24.51) | 0.193 (4.90) | 0.276 (7.01) | VBMT-10-195-P25 | Die Set C | 25 |
| NBFT- Nylon-Insulated- Female | | | | | | | | | | |
| NBFT-18-156-P50 | 1 | 18-22 | 600 V | 85° C | 0.886 (22.50) | 0.154 (3.91) | 0.276 (7.01) | NBMT-18-156-P50 | Die Set C | 50 |
| NBFT-14-156-P50 | 1 | 14-16 | 600 V | 85° C | 0.886 (22.50) | 0.154 (3.91) | 0.276 (7.01) | NBMT-14-156-P50 | Die Set C | 50 |
| NBFT-10-195-P25 | 1 | 10-12 | 600 V | 85° C | 0.965 (24.51) | 0.193 (4.90) | 0.276 (7.01) | NBMT-10-195-P25 | Die Set C | 25 |
| NBFTD- Nylon-Insulated- Female- Double Crimp | | | | | | | | | | |
| NBFTD-18-156-P50 | 2 | 18-22 | 300 V | 85° C | 0.886 (22.50) | 0.154 (3.91) | 0.276 (7.01) | NBMTD-18-156-P50 | Die Set B | 50 |
| NBFTD-14-156-P50 | 2 | 14-16 | 300 V | 85° C | 0.886 (22.50) | 0.154 (3.91) | 0.276 (7.01) | NBMTD-14-156-P50 | Die Set B | 50 |
| NBFTD-10-195-P25 | 2 | 10-12 | 300 V | 85° C | 0.965 (24.51) | 0.193 (4.90) | 0.276 (7.01) | NBMTD-10-195-P25 | Die Set B | 25 |
| VFIBT- Vinyl-Fully-Insulated-Female | | | | | | | | | | |
| VFIBT-18-156-P50 | 3 | 18-22 | 300 V | 50° C | 0.906 (23.01) | 0.154 (3.91) | 0.276 (7.01) | NFIDT-18-156-P50 | Die Set C | 50 |
| VFIBT-14-156-P50 | 3 | 14-16 | 300 V | 50° C | 0.925 (23.50) | 0.154 (3.91) | 0.276 (7.01) | NFIDT-14-156-P50 | Die Set C | 50 |
| VFIBT-10-195-P25 | 3 | 10-12 | 300 V | 50° C | 0.945 (24.00) | 0.193 (4.90) | 0.276 (7.01) | N/A | Die Set C | 25 |
| VBMT- Vinyl-Insulated-Male | | | | | | | | | | |
| VBMT-18-156-P50 | 4 | 18-22 | 300 V | 50° C | 0.827 (21.01) | 0.157 (3.99) | 0.335 (8.51) | VBFT-18-156-P50 | Die Set C | 50 |
| VBMT-14-156-P50 | 4 | 14-16 | 300 V | 50° C | 0.827 (21.01) | 0.157 (3.99) | 0.335 (8.51) | VBFT-14-156-P50 | Die Set C | 50 |
| VBMT-10-195-P25 | 4 | 10-12 | 300 V | 50° C | 0.925 (23.50) | 0.197 (5.00) | 0.335 (8.51) | VBFT-10-195-P25 | Die Set C | 25 |
| NBMT- Nylon-Insulated-Male | | | | | | | | | | |
| NBMT-18-156-P50 | 4 | 18-22 | 600 V | 85° C | 0.866 (22.00) | 0.157 (3.99) | 0.335 (8.51) | NBFT-18-156-P50 | Die Set C | 50 |
| NBMT-14-156-P50 | 4 | 14-16 | 600 V | 85° C | 0.866 (22.00) | 0.157 (3.99) | 0.335 (8.51) | NBFT-14-156-P50 | Die Set C | 50 |
| NBMT-10-195-P25 | 4 | 10-12 | 600 V | 85° C | 0.925 (23.50) | 0.197 (5.00) | 0.335 (8.51) | NBFT-10-195-P25 | Die Set C | 25 |
| NBMTD- Nylon-Insulated-Male-Double Crimp | | | | | | | | | | |
| NBMTD-18-156-P50 | 5 | 18-22 | 300 V | 85° C | 0.866 (22.00) | 0.157 (3.99) | 0.335 (8.51) | NBFTD-18-156-P50 | Die Set B | 50 |
| NBMTD-14-156-P50 | 5 | 14-16 | 300 V | 85° C | 0.866 (22.00) | 0.157 (3.99) | 0.335 (8.51) | NBFTD-14-156-P50 | Die Set B | 50 |
| NBMTD-10-195-P25 | 5 | 10-12 | 300 V | 85° C | 0.925 (23.50) | 0.197 (5.00) | 0.335 (8.51) | NBFTD-10-195-P25 | Die Set B | 25 |
| NFIDT- Nylon-Fully-Insulated-Male | | | | | | | | | | |
| NFIDT-18-156-P25 | 6 | 18-22 | 600 V | 85° C | 1.063 (27.00) | 0.157 (3.99) | 0.413 (10.49) | VFIBT-18-156-P50 | Die Set C | 25 |
| NFIDT-14-156-P25 | 6 | 14-16 | 600 V | 85° C | 1.063 (27.00) | 0.157 (3.99) | 0.413 (10.49) | VFIBT-14-156-P50 | Die Set C | 25 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 1977, UL File E474615

TYPE ILSCONS

Features

- Solid pin design
- Funnel wire entry
- Barrel allows for two crimps - NPBRD
- Vinyl insulation - VPBR
- Nylon insulation - NPBR, NPBRD
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed, 600 volts, 105° C

Benefits

- Provides an easy and effective way to terminate stranded wire into European/metric-style terminal blocks
- Smooth wire insertion into barrel
- Provides strain relief, prevents exposure of wire conductors
- Provides corrosion resistance and strain relief
- Increased heat and chemical resistant qualities for more demanding applications
- Provide easy wire range identification
 - #18-22 AWG Red
 - #14-16 AWG Blue
 - #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection to prevent wire pull-out
- Ensures reliability for copper conductor

A1

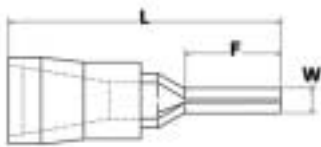


Fig. 1



Fig. 2

| Catalog Number | Figure Number | Wire Range | Dimensions - in. (mm) | | | | | | Installation Tool ILST-22K | Package Quantity |
|--|---------------|------------|-----------------------|---------|-------|--------|-------|---------|-------------------------------|------------------|
| | | | L | | W | | F | | | |
| VPBR- Vinyl Insulated | | | | | | | | | | |
| VPBR-18-512-P50 | 1 | 18-22 | 0.898 | (22.81) | 0.075 | (1.91) | 0.512 | (13.00) | Die Set A | 50 |
| VPBR-14-512-P50 | 1 | 14-16 | 0.898 | (22.81) | 0.075 | (1.91) | 0.512 | (13.00) | Die Set A | 50 |
| VPBR-10-551-P25 | 1 | 10-12 | 1.063 | (27.00) | 0.110 | (2.79) | 0.551 | (14.00) | Die Set A | 25 |
| NPBR- Nylon- Insulated | | | | | | | | | | |
| NPBR-18-512-P50 | 1 | 18-22 | 0.937 | (23.80) | 0.075 | (1.91) | 0.512 | (13.00) | Die Set A | 50 |
| NPBR-14-512-P50 | 1 | 14-16 | 0.937 | (23.80) | 0.075 | (1.91) | 0.512 | (13.00) | Die Set A | 50 |
| NPBR-10-551-P25 | 1 | 10-12 | 1.063 | (27.00) | 0.110 | (2.79) | 0.551 | (14.00) | Die Set A | 25 |
| NPBRD- Nylon- Insulated- Double Crimp | | | | | | | | | | |
| NPBRD-18-512-P50 | 2 | 18-22 | 0.937 | (23.80) | 0.075 | (1.91) | 0.512 | (13.00) | Die Set B | 50 |
| NPBRD-14-512-P50 | 2 | 14-16 | 0.937 | (23.80) | 0.075 | (1.91) | 0.512 | (13.00) | Die Set B | 50 |
| NPBRD-10-551-P25 | 2 | 10-12 | 1.063 | (27.00) | 0.110 | (2.79) | 0.551 | (14.00) | Die Set B | 25 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

TYPE ILSCONS

Features

- Manufactured from high strength copper alloy
- Electro-tin plated

Benefits

- Provides maximum conductivity
- Provides low contact resistance

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Fig. 1

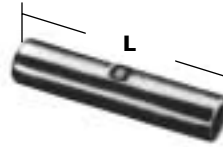


Fig. 2

| Catalog Number | Figure Number | Wire Range | L |
|----------------|---------------|------------|------|
| 44630-B10 | 1 | 8 | .38 |
| 44640-B10 | 1 | 6 | .46 |
| 44650-B10 | 1 | 4 | .54 |
| 44830-B10 | 2 | 8 | .77 |
| 44840-B10 | 2 | 6 | 1.02 |
| 44850-B10 | 2 | 4 | 1.20 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Can be supplied in bulk. Consult factory for part number.

UL File E158587

TYPE ILSCONS

Features

- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Silver solder brazed seam
- Vinyl insulation
- UL Listed and CSA Certified for 600 volts, 90° C

Benefits

- Provides easy wire range identification
#22-18 AWG Red
#16-14 AWG Blue
#12-10 AWG Yellow
- Provides maximum conductivity
- Provides low contact resistance
- May be crimped anywhere and will not split open, even under extreme operating stresses
- Provides tough pliable insulative qualities to protect connectors and wire from corrosion as well as providing some strain relief
- Ensures reliability for copper conductor



Fig. 1



Fig. 2

| Catalog Number | Figure Number | Wire Range | L | Maximum Wire Insulated Diameter | Connector Type |
|----------------|---------------|------------|------|---------------------------------|-----------------|
| 44730-B5 | 1 | 8 | 1.05 | .385 | Parallel Splice |
| 44740-B5 | 1 | 6 | 1.19 | .440 | Parallel Splice |
| 44750-B5 | 1 | 4 | 1.41 | .515 | Parallel Splice |
| 44930-B5 | 2 | 8 | 1.46 | .385 | Butt Splice |
| 44940-B5 | 2 | 6 | 1.80 | .440 | Butt Splice |
| 44950-B5 | 2 | 4 | 1.95 | .515 | Butt Splice |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Can be supplied in bulk. Consult factory for part number.

UL File E158587

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TYPE ILSCONS

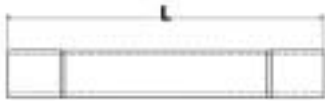
A1

Features

- Butted configuration
- Internal wire stops
- Funnel wire entry
- Vinyl Insulation - VBST, VBSS
- Nylon Insulation - NBSS
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Seamless barrel - VBSS, NBSS
- UL Listed, see ratings in chart below

Benefits

- Provides fast, easy wire insertion in limited space applications, simply strip and crimp
- Ensures proper insertion length
- Smooth wire insertion into barrel
- Provides corrosion resistance and strain relief
- Increased heat and chemical resistant qualities for more demanding applications
- Provide easy wire range identification
 - #18-22 AWG Red
 - #14-16 AWG Blue
 - #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Maximum crimp connection to prevent wire pull-out
- Ensures reliability for copper conductor



| Catalog Number | Wire Range | Voltage Rating | Temperature Rating | Length - in. (mm) | | Installation Tool ILST-22K | Package Quantity |
|--|------------|----------------|--------------------|-------------------|---------|-------------------------------|------------------|
| VBST- Vinyl-Insulated- Butted | | | | | | | |
| VBST-18-P50 | 18-22 | 600 V | 75° C | 0.969 | (24.61) | Die Set A | 50 |
| VBST-14-P50 | 14-16 | 600 V | 75° C | 0.969 | (24.61) | Die Set A | 50 |
| VBST-10-P25 | 10-12 | 600 V | 75° C | 1.043 | (26.49) | Die Set A | 25 |
| VBSS- Vinyl-Insulated- Seamless | | | | | | | |
| VBSS-18-P50 | 18-22 | 600 V | 75° C | 0.953 | (24.21) | Die Set A | 50 |
| VBSS-14-P50 | 14-16 | 600 V | 75° C | 0.953 | (24.21) | Die Set A | 50 |
| VBSS-10-P25 | 10-12 | 600 V | 75° C | 1.024 | (26.01) | Die Set A | 25 |
| NBSS- Nylon-Insulated-Seamless | | | | | | | |
| NBSS-18-P50 | 18-22 | 600 V | 105° C | 0.992 | (25.20) | Die Set A | 50 |
| NBSS-14-P50 | 14-16 | 600 V | 105° C | 0.992 | (25.20) | Die Set A | 50 |
| NBSS-10-P25 | 10-12 | 600 V | 105° C | 1.110 | (28.19) | Die Set A | 25 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

TYPE ILSCONS

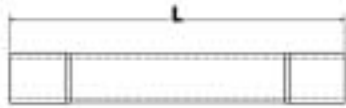
Features

- Butted configuration
- Uses an innovative anaerobic encapsulated sealant that is heatless and solderless
- Locks out moisture and air
- Nylon insulation
- Manufactured from high strength copper alloy
- Seamless barrel
- Color coded

- UL Listed for 600 volts, 105° C

Benefits

- Provides fast, easy wire insertion in limited space applications, simply strip and crimp
- An environmentally sealed connection which can be installed in a fraction of the time of comparable heat seal connectors
- Prevents corrosion
- Increased puncture, heat and chemical resistant qualities for more demanding applications
- Provides maximum conductivity
- Maximum crimp connection to prevent wire pull-out
- Provide easy wire range identification
 - #18-22 AWG Red
 - #14-16 AWG Blue
 - #10-12 AWG Yellow
- Ensures reliability for copper conductor



| Catalog Number | Wire Range | Length - in. (mm) | Installation Tool ILST-22K | Package Quantity |
|----------------|------------|-------------------|-------------------------------|------------------|
| CSBS-18-P50 | 18-22 | 1.000 (25.40) | Die Set A | 50 |
| CSBS-14-P50 | 14-16 | 1.031 (26.19) | Die Set A | 50 |
| CSBS-10-P25 | 10-12 | 1.500 (38.10) | Die Set A | 25 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486 C, UL File E6207

A1

A1

TYPE
94130
Controlled-Cycle
Crimper

- Features**
- Dieless tool
 - Ratchet mechanism
 - Compound action
 - Cushion grip handles
 - Crimps insulated wire terminals
 - Wire Range: 10-22 AWG, Weight .8 lb

- Benefits**
- No need to purchase and maintain dies
 - Assures proper crimp force every time
 - Delivers maximum crimp force with minimum effort
 - Provides user comfort
 - Provides flexibility in use



TYPE
94145
Multi Purpose
Crimp Tool

- Features**
- Heavy duty carbon steel construction
 - Comfort grip handles
 - Spring loaded action
 - Safety lock mechanism
 - Color coded crimp nest
 - Crimp nest
 - Wire cutter
 - Machine screw cutters
 - Wire stripper/wire gauge

- Benefits**
- Provides durable rugged reliability
 - Provides user comfort
 - Enables multiple crimps
 - Provides for compact storage
 - For insulated terminals
 - For uninsulated terminals
 - Easily cuts solid and stranded wire
 - Cuts and rethreads 4-40, 6-32, 8-32, 10-24, and 10-32 machine screws
 - 26-8 AWG



TYPE
WS-1
Wire Stripper

- Features**
- Cushion grip handles
 - Crimp die
 - Wire strip gauge
 - Plier nose
 - Wire loop holes
 - Wire cutter
 - "Open" spring
 - Metric markings
 - Precision stripping
 - Wire crimp range: 14-18 AWG

- Benefits**
- Eases pressure on hands when working for long periods or with larger conductor
 - Built in crimp die allows you to crimp insulated terminals from 18AWG to 14AWG
 - Convenient stamped wire strip gauge makes it easy to strip conductors to specific length consistently
 - Flat plier nose allows you to conveniently punch and twist knock outs
 - Built in looping holes allow you to conveniently bend eye loop into end of conductor
 - Built in cutter is precision ground to cut small conductor copper intended to be stripped (Strips #10 - 18 AWG)
 - Conveniently holds tool in open position to facilitate wire insertion
 - Metric markings provide for use of tool on products that have been sized metrically
 - Precision ground wire stripping holes provide a clean cutting and stripping action of insulation



All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

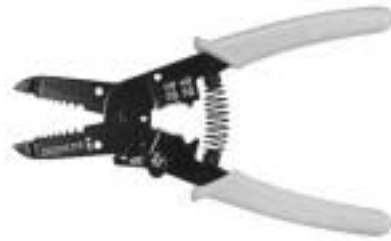
TYPE WS-2

Features

- Black oxide finish
- Cushion grip and spring loaded handles
- Wire cutter
- Serrated nose
- Crimp nest and indenter
- Wire loop and bending hole
- Handle closure lock
- Wire stripper/wire gauge

Benefits

- Enhances readability of jaw markings, prevents oxidation
- Self-opening to assist with activation leverage, reduces user fatigue
- Easily cuts solid and stranded wire
- Multi-use to grip, shape and pull wire
- For uninsulated terminals
- Convenient forming of wire for termination
- Easy storage
- 10-22 AWG



TYPE WS-3

Features

- Heavy duty carbon steel construction
- Black oxide finish
- "Grip and strip" compound action jaws
- Comfort grip and spring loaded handles
- Color coded crimp nest
- Crimp nest and indenter
- Wire cutter
- Wire stripper/wire gauge

Benefits

- Rugged, durable, reliable
- Enhances readability of jaw markings, prevents oxidation
- Wire insulation is cut and removed with a single handle activation
- Self-opening for increased activation leverage, reduces user fatigue
- For insulated terminals
- For uninsulated terminals
- Easily cuts solid and stranded wire
- 10-26 AWG



All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

TYPE
ILST-22K

Features

- Kit includes case and (5) dies
- Full cycle ratchet
- Compound action
- Cushion grip handles
- Crimps non-insulated, insulated, and double insulated wire terminals
- Wire Range: 10-22 AWG ILSCON connectors

Benefits

- All-in-one, ease of use
- Assures proper crimp force every time
- Delivers maximum crimp force with minimum effort
- Provides user comfort
- Optimum versatility, crimps all ILSCON connectors
- Provides flexibility in use



| | | UL Listed for use with | | | | |
|-----------|------------------|------------------------|--------|-------|----------|------|
| | | A | B | C | D1322 | FA |
| DIE INDEX | PRODUCT FAMILIES | NBFTD | NFBRD | NBFT | BFBR | NFLB |
| | | NBMTD | NFBRF | NBMT | BRBR | |
| | | NBSS | NPBRD | NDFT | BSBR | |
| | | NDFTD | NPRBD | NDMT | BSFBR | |
| | | NDMTD | NRBRD | NFIDT | BSLBR | |
| | | NFLBD | NSBRD | NFIFT | NFBR | |
| | | NPBR | NSFBRD | NFIMT | CSWS-10* | |
| | | NRBR | NSLBRD | VBFT | | |
| | | NSBR | | VBMT | | |
| | | NSFBR | | VDFT | | |
| | | NSLBR | | VDMT | | |
| | | VBSS | | VFIBT | | |
| | | VBST | | VFIDT | | |
| | | VFBR | | | | |
| | | VPBR | | | | |
| | | VRBR | | | | |
| | | VSBR | | | | |
| VSFBR | | | | | | |
| VSLBR | | | | | | |

* UL Listed and CSA Certified

TYPE
ILST-MP

Features

- Heavy duty carbon steel construction
- Comfort grip handles
- Color coded crimp nest
- Crimp nest and indenter
- Wire cutter
- Machine screw cutters
- Wire stripper/wire gauge



















Benefits

- Rugged, durable, reliable
- Provides user comfort
- For insulated terminals
- For uninsulated terminals
- Easily cuts solid and stranded wire
- Cuts and rethreads 4-40, 6-32, 8-32, 10-24, and 10-32 machine screws
- 8-26 AWG



All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Split Bolts

| | | | | |
|--|---|---|--|--|
| <p>IK</p>  <p>143</p> | <p>IK3</p>  <p>144</p> | <p>SK</p>  <p>145</p> | | |
| <p>IKB</p>  <p>146</p> | <p>IKS</p>  <p>147</p> | <p>AK</p>  <p>148</p> | | |
| <p>DBA, DBA-S</p>  <p>149</p> | <p>IPC</p>  <p>150</p> | <p>GTA</p>  <p>151</p> | <p>SPAR</p>  <p>152</p> | <p>GTT</p>  <p>153</p> |
| | | <p>GTC</p>  <p>154</p> | <p>GT2</p>  <p>155</p> | <p>GT4T</p>  <p>156</p> |
| | | <p>GTA/GTT KIT</p>  <p>157</p> | | <p>MGTT</p>  <p>158</p> |
| | | <p>PTA</p>  <p>159</p> | <p>PCT</p>  <p>160</p> | |

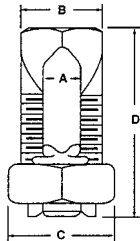
TYPE IK

Features

- Manufactured from high strength copper alloy
- Precision tooled threads
- UL 467 Listed for Grounding and Bonding 500kcmil thru 8
- CSA Certified for Grounding and Bonding 250kcmil thru 8
- RUS Accepted 8 thru 1/0 AWG
- For use with copper conductor types: Solid, Compact, Compressed, Concentric
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90° C

Benefits

- Provides maximum conductivity and high breakage resistance
- Allows maximum torque to be applied
- Suitable for direct burial in earth and concrete
- Application versatility



| Catalog Number | Range For Equal Main & Tap | Min. Tap With One Max. Main | Max. Cond Copperweld | | Rebar With 6 or 8 AWG | Wire Diameter | Dimensions | | | | Recommended Torque (IN-LB) |
|----------------|----------------------------|-----------------------------|----------------------|--------|-----------------------|---------------|------------|-------|-------|-------|----------------------------|
| | | | Str | Type A | | | A | B | C | D | |
| IK-10 | 10str - 16str | 16str | - | - | N/A | .057 - .125 | .125 | 0.344 | 0.500 | 0.719 | 80 |
| IK-8 | 8str - 16str | 16str | - | - | N/A | .057 - .145 | .145 | 0.375 | 0.500 | 0.844 | 80 |
| IK-6 | 6sol - 10sol | 16sol | - | - | N/A | .102 - .162 | .165 | 0.500 | 0.625 | 1.047 | 165 |
| IK-4 | 4sol - 8sol | 16sol | 3 No. 12 | 8A | N/A | .128 - .204 | .215 | 0.562 | 0.688 | 1.047 | 165 |
| IK-3 | 2sol - 6sol | 12sol | 3 No. 9 | 5A | N/A | .162 - .258 | .328 | 0.688 | 0.812 | 1.312 | 275 |
| IK-2 | 2str - 6sol | 14str | 3 No. 7 | 3A | N/A | .162 - .292 | .328 | 0.688 | 0.812 | 1.312 | 275 |
| IK-1/0 | 1/0str - 4sol | 14sol | 3 No. 6 | 2A | N/A | .204 - .375 | .377 | 0.750 | 0.875 | 1.641 | 385 |
| IK-2/0 | 2/0str - 2sol | 14str | 3 No. 5 | - | #3 (3/8) | .258 - .418 | .420 | 0.812 | 1.000 | 1.812 | 385 |
| IK-3/0 | 3/0str - 2sol | 12sol | 7 No. 7 | - | N/A | .258 - .470 | 0.466 | 0.875 | 1.125 | 2.000 | 500 |
| IK-250 | 250kcmil - 1/0sol | 10sol | 7 No. 5 | - | #4 (1/2) | .325 - .575 | 0.579 | 1.000 | 1.312 | 2.078 | 650 |
| IK-350 | 350kcmil - 4/0str | 8sol | 19 No. 7 | - | #5 (5/8) | .528 - .682 | 0.746 | 1.500 | 1.625 | 2.625 | 650 |
| IK-500 | 500kcmil - 250kcmil | 8sol | 19 No. 6 | - | #6 (3/4) | .575 - .815 | 0.834 | 1.625 | 1.812 | 3.000 | 825 |
| IK-750 | 750kcmil - 350kcmil | 8sol | 19 No. 5 | - | N/A | .682 - .999 | 1.030 | 1.938 | 2.125 | 3.750 | 1000 |
| IK-1000 | 1000kcmil - 500kcmil | 8sol | - | - | N/A | .815 - 1.153 | 1.222 | 2.250 | 2.500 | 4.000 | 1100 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E6207

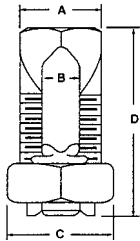
TYPE IK3

Features

- Manufactured from high strength copper alloy
- Precision tooled threads
- UL 467 Listed and CSA Certified for Grounding and Bonding
- RUS Accepted
- For use with copper conductor types: Solid, Compact, Compressed, Concentric
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90° C

Benefits

- Provides maximum conductivity and high breakage resistance
- Allows maximum torque to be applied
- Suitable for direct burial in earth and concrete
- Application versatility



| Catalog Number | Range For Equal Main & Tap | Min. Tap With One Max. Main | Max Cond Copperweld | | Wire Diameter Range | Dimensions | | | | Recommended Torque (IN-LB) |
|----------------|----------------------------|-----------------------------|---------------------|--------|---------------------|------------|-------|-------|-------|----------------------------|
| | | | Str | Type A | | A | B | C | D | |
| IK3-8 | 8str - 16str | 16str | - | - | .057 - .145 | 0.144 | 0.375 | 0.500 | 0.844 | 80 |
| IK3-6 | 6sol - 10sol | 16sol | - | - | .102 - .162 | 0.166 | 0.500 | 0.625 | 1.109 | 165 |
| IK3-4 | 4sol - 8sol | 16sol | 3 No. 12 | 8A | .128 - .204 | 0.217 | 0.562 | 0.688 | 1.266 | 165 |
| IK3-2 | 2str - 6sol | 14str | 3 No. 7 | 3A | .162 - .258 | 0.326 | 0.688 | 0.812 | 1.547 | 275 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E6207

B

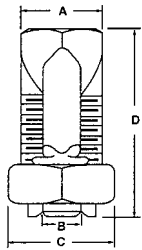
TYPE SK

Features

- Manufactured from high strength copper alloy
- Electro-tin plated bolt, nut, spacer and pressure bar
- Precision tooled threads
- SK-10, SK-8, SK3, SK-2 SK-1/0, SK-2/0 are RUS Accepted
- For use with copper conductor types: Solid, Compact, Compressed, Concentric
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90° C

Benefits

- Provides maximum conductivity and high breakage resistance
- Provides low contact resistance
- Application versatility



| Catalog Number | Range For Equal Main & Tap | Min. Tap With One Max. Main | Max Cond Copperweld | | Wire Diameter Range | Dimensions | | | | Recommended Torque (IN-LB) |
|----------------|----------------------------------|-----------------------------|---------------------|--------|---------------------|------------|-------|-------|-------|----------------------------|
| | | | Str | Type A | | A | B | C | D | |
| SK-10 | 10str - 16str | 16str | - | - | .057 - .116 | .144 | 0.375 | 0.500 | 0.844 | 80 |
| SK-8 | 8str - 16str | 16str | - | - | .057 - .145 | 0.144 | 0.375 | 0.500 | 0.844 | 80 |
| SK-6 + | 8str - 14str | 14str | - | - | .073 - .146 | .166 | 0.500 | 0.625 | 1.109 | 165 |
| SK-4 + | 6str - 10str | 10sol | 3 No. 12 | 8A | .116 - .184 | 0.217 | 0.562 | 0.688 | 1.266 | 165 |
| SK-3 + | 4str - 8sol AL 2sol - 8sol CU | 8sol AL 8sol CU | 3 No. 9 | 5A | .128 - .258 | 0.326 | 0.688 | 0.812 | 1.547 | 275 |
| SK-2 + | 2str - 8sol | 8sol | 3 No. 7 | 3A | .128 - .316 | 0.326 | 0.688 | 0.812 | 1.547 | 275 |
| SK-1/0 | 1/0str - 6sol | 10sol | 3 No. 6 | - | .162 - .375 | 0.376 | 0.750 | 0.875 | 1.641 | 385 |
| SK-2/0 | 2/0str - 6str | 10sol | 3 No. 5 | - | .184 - .419 | .420 | 0.812 | 1.000 | 1.812 | 385 |
| SK-3/0 | 3/0str - 4str | 6sol | 7 No. 7 | - | .198 - .470 | 0.466 | 0.875 | 1.125 | 2.000 | 500 |
| SK-250 | 250kcmil - 4str | 4str | 7 No. 5 | - | .232 - .575 | 0.577 | 1.000 | 1.312 | 2.328 | 650 |
| SK-350 | 350kcmil - 3/0str | 1sol | 19 No. 7 | - | .447 - .682 | 0.746 | 1.500 | 1.625 | 2.625 | 650 |
| SK-500 | 500kcmil - 3/0str | 1/0str | 19 No. 6 | - | .447 - .815 | 0.834 | 1.625 | 1.812 | 3.000 | 825 |
| SK-750 | 750kcmil - 250kcmil | 2/0str | 19 No. 5 | - | .563 - .999 | 1.030 | 1.938 | 2.125 | 3.750 | 1000 |
| SK-1000 | 1000kcmil - 350kcmil | 4/0str | - | - | .682 - 1.162 | 1.222 | 2.250 | 2.500 | 4.000 | 1100 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
+ AL9CU
UL File E12822

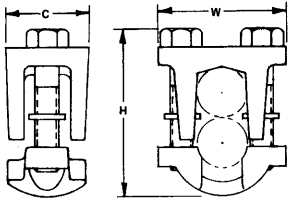
TYPE IKB

Features

- Manufactured from high strength copper alloy
- Two bolt design
- Longer peened bolt
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- For copper conductor only
- Rated to 90° C

Benefits

- Allows maximum conductivity and high breakage resistance
- Allows maximum pressure to be applied directly to the conductor strands
- Permits a swivel action for easier installation
- Application versatility



B

| Catalog Number | Copper Wire Range | | Dimensions | | |
|----------------|--------------------|---------------|------------|------|------|
| | Main | Tap | C | H | W |
| IKB-4/0 + | 1/0-4/0 | 4/0-10 | 1.10 | 1.97 | 1.72 |
| IKB-350 + | 350kcmil-250kcmil | 350kcmil-10 | 1.38 | 2.48 | 2.14 |
| IKB-500 | 500kcmil-400kcmil | 500kcmil-10 | 1.50 | 2.80 | 2.25 |
| IKB-800 | 800kcmil-400kcmil | 800kcmil-3/0 | 1.62 | 3.32 | 2.50 |
| IKB-1000 | 1000kcmil-500kcmil | 1000kcmil-3/0 | 2.00 | 3.78 | 3.03 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

+ RUS Listed

Tested to UL 486A/B, UL File E6207

TYPE IKS

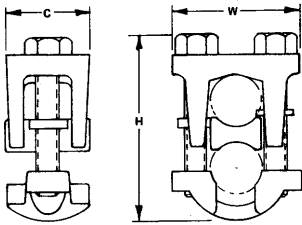
Features

- Manufactured from high strength copper alloy
- Electro-tin plated
- Two bolt design
- Longer peened bolt
- Serrated spacer bar
- For copper conductor only

Benefits

- Allows maximum conductivity and high breakage resistance
- Provides low contact resistance
- Allows maximum pressure to be applied directly to the conductor strands
- Permits a swivel action for easier installation
- Makes a secure connection

B



| Catalog Number | Wire Range | | Dimensions | | |
|----------------|--------------------|---------------|------------|------|------|
| | Main | Tap | C | H | W |
| IKS-4/0 | 4/0-1/0 | 4/0-6 | 1.12 | 2.31 | 1.72 |
| IKS-350 | 350kcmil-250kcmil | 350kcmil-6 | 1.38 | 2.62 | 2.12 |
| IKS-500 | 500kcmil-400kcmil | 500kcmil-4 | 1.50 | 3.00 | 2.26 |
| IKS-800 | 800kcmil-400kcmil | 800kcmil-4/0 | 1.62 | 3.50 | 2.50 |
| IKS-1000 | 1000kcmil-500kcmil | 1000kcmil-4/0 | 2.00 | 4.03 | 3.03 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

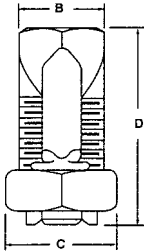
TYPE AK

Features

- Manufactured from heat treated aluminum alloy
- Triangular edges
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Electro-tin plated
- Spacer bar
- Hex Head
- Rated to 90° C

Benefits

- Provides maximum conductivity and strength for copper and aluminum conductors
- Bite into the conductor to break through surface oxides which eliminates wire brushing
- Application versatility
- Provides low contact resistance
- Separates dissimilar metals which prevents galvanic corrosion
- Provides ease of installation with standard wrenches



| Catalog Number | Wire Range | | Recommended Tightening Torque | Dimensions | | |
|----------------|---------------------------|------------------------|-------------------------------|------------|------|------|
| | Main | Tap | | B | C | D |
| AK-6 | 6 str-10 sol | 6 str-10 sol | 165 | .56 | .75 | 1.88 |
| AK-4 | 4 str-8 sol | 4 str-10 sol | 165 | .62 | .81 | 1.38 |
| AK-2 | 2 str-6 str Compact | 2 str-8 str | 275 | .69 | .94 | 1.58 |
| AK-1/0 | 1/0 str-2 str Compact | 1/0 str-8 str | 385 | .75 | 1.00 | 1.92 |
| AK-2/0 | 2/0 str-2 str Compact | 2/0 str-8 str | 385 | .88 | 1.12 | 1.92 |
| AK-4/0 | 4/0 str-2 str Compact | 4/0 str-6 str | 500 | 1.13 | 1.49 | 2.54 |
| AK-350 | 350kcmil-1/0 str Compact | 350kcmil-4 str | 650 | 1.50 | 1.69 | 3.24 |
| AK-500 | 500kcmil-400kcmil Compact | 500kcmil-2 str Compact | 825 | 1.73 | 2.00 | 3.62 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Inhibitor is recommended for all aluminum terminations.
UL File E9998

B

TYPE DBA DBA-S

Features

- Manufactured from high strength aluminum alloy
- Heat treated
- Wax plated
- Neoprene washers
- Range taking
- Re-usable
- Type DBA-S - Spacer bar

Benefits

- Type DBA - Suitable for copper to copper or aluminum to aluminum conductors
- Type DBA-S - Suitable for copper and/or aluminum conductors in any combination
- Provides maximum strength
- Provides low contact resistance
- Hold the bolts captive and eliminates the possibility of loose hardware
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Separates dissimilar metals

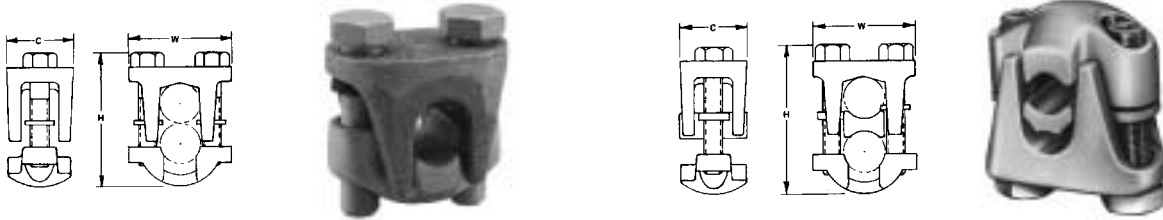


Fig. 1

Fig. 2

| Catalog Number | Figure Number | Wire Range | | Dimensions | | |
|----------------|---------------|--------------------|---------------|------------|---------|-------|
| | | Main | Tap | C | W | H |
| DBA-2/0 | 1 | 2/0-2 | 2/0-10 | 1-1/8 | 1-5/8 | 1-5/8 |
| DBA-250 | 1 | 250kcmil-1/0 | 250kcmil-10 | 1-5/16 | 2 | 2 |
| DBA-350 | 1 | 350kcmil-4/0 | 350kcmil-10 | 1-9/16 | 2-11/32 | 2-1/4 |
| DBA-500 | 1 | 500kcmil-350kcmil | 500kcmil-10 | 1-3/4 | 2-1/2 | 2-3/4 |
| DBA-800 | 1 | 800kcmil-400kcmil | 800kcmil-3/0 | 1-7/8 | 2-7/8 | 3 |
| DBA-1000 | 1 | 1000kcmil-500kcmil | 1000kcmil-3/0 | 2-1/4 | 3-3/16 | 3-1/2 |
| DBA-2/0S | 2 | 2/0-2 | 2/0-10 | 1-1/8 | 1-5/8 | 1-5/8 |
| DBA-250S | 2 | 250kcmil-1/0 | 250kcmil-10 | 1-5/16 | 2 | 2 |
| DBA-350S | 2 | 350kcmil-4/0 | 350kcmil-10 | 1-9/16 | 2-11/32 | 2-1/4 |
| DBA-500S | 2 | 500kcmil-350kcmil | 500kcmil-10 | 1-3/4 | 2-1/2 | 2-3/4 |
| DBA-800S | 2 | 800kcmil-400kcmil | 800kcmil-3/0 | 1-7/8 | 2-7/8 | 3 |
| DBA-1000S | 2 | 1000kcmil-500kcmil | 1000kcmil-3/0 | 2-1/4 | 3-3/16 | 3-1/2 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Inhibitor is recommended for all aluminum terminations.

KUP-L-Tap® Insulation Piercing Connectors Dual Rated

TYPE IPC



Features

- Body is molded from tough, resilient glass-filled nylon
 - Compact design
 - Tin plated copper contact teeth
 - Insulation piercing
 - Perforated end tabs
 - Pre-filled with silicone lubricant
 - Versatile
 - Increased safety
- Horizontal line grid
 - Temperature rating 90° C

Benefits

- Provides high degree of breakage resistance and long dependable use
- Saves space
- Easily penetrates most types of insulation
- No need to strip the conductor which saves installation time
- Break out easily by hand
- Prevents oxidation and moisture from entering the contact area
- Can be used as a splice or tap connector
- Contains no external energized parts. Can be installed "hot" on energized conductors providing tap conductor is not under load.
- Provides a visual guide for proper installation of conductors

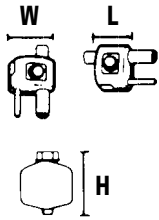


Fig. 1



Fig. 2



Fig. 3



Fig. 4

| Catalog Number | Figure Number | Wire Range | | Volts | Current Rating | | Dimensions | | | Torque Ft. Lbs. | Bolt Head Size |
|----------------|---------------|-------------------|-------------------|-----------------------------|----------------|-----|------------|---------|---------|-----------------|----------------|
| | | Main | Tap | | CU | AL | L | W | H | | |
| IPC-1/0-2 | 3 | 1/0-8 | 2-8 | 300 (480 Grounded Y System) | 130 | 100 | 1-7/32 | 1-15/32 | 2-5/16 | 16 | 1/2 |
| IPC-4/0-6 | 2 | 4/0-4 | 6-14 | 600 | 75 | 60 | 1-27/64 | 1 | 1-7/8 | 13 | 1/2 |
| IPC-4/0-2/0 | 3 | 4/0-2 | 2/0-6 | 600 | 195 | 150 | 1-21/32 | 1-7/8 | 2-7/8 | 25 | 1/2 |
| IPC-250-4/0 | 2 | 250kcmil-1 | 4/0-6 | 600 | 260 | 205 | 1-7/8 | 2-11/32 | 3-11/32 | 30 | 5/8 |
| IPC-350-4/0 | 3 | 350kcmil-4/0 | 4/0-10 | 300 (480 Grounded Y System) | 260 | 205 | 1-43/64 | 2-7/16 | 3-1/8 | 25 | 5/8 |
| IPC-350-350 | 4 | 350kcmil-4/0 | 350kcmil-4/0 | 300 (480 Grounded Y System) | 350 | 280 | 2-43/64 | 2-23/32 | 3-1/4 | 25 | 5/8 |
| IPC-500-12 | 1 | 500kcmil-250kcmil | 10-12 | 300 (480 Grounded Y System) | 40 | 35 | 1-43/64 | 2-7/16 | 3-1/4 | 25 | 5/8 |
| IPC-500-250 | 1 | 500kcmil-250kcmil | 250kcmil-4 | 600 | 290 | 230 | 2-27/64 | 2-29/32 | 3-3/4 | 55 | 5/8-11/16 |
| IPC-500-500 | 1 | 500kcmil-300kcmil | 500kcmil-250kcmil | 600 | 430 | 350 | 3-3/16 | 3-5/8 | 5 | 75 | 7/8-7/8 |
| IPC-750-500 | 1 | 750kcmil-500kcmil | 500kcmil-350kcmil | 600 | 430 | 350 | 3-3/16 | 3-5/8 | 5 | 75 | 7/8-7/8 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

B

TYPE GTA

Features

- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- UL Listed and CSA Certified for 600 volts, 90° C
- Compact design
- Range taking
- Re-usable
- Lay-in main conductor
- Insulating cover available

Benefits

- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Ensures reliability for copper or aluminum conductors
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- No need to break the feeder cable
- Eliminates taping

B

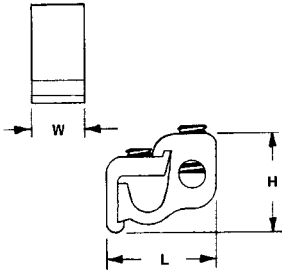


Fig. 1



Fig. 2



| Catalog Number | Figure Number | Wire Range | | Dimensions | | | Hex Size | |
|----------------|---------------|--------------------|---------------------|------------|---------|---------|----------|------|
| | | Main | Tap | L | W | H | Main | Tap |
| GTA-2-2 | 1 | 2-12 str | 2-12 AL 2-14 CU | 1-1/4 | 9/16 | 1 | Slot | Slot |
| GTA-0-0 | 1 | 1/0-2 | 1/0-12 AL 1/0-14 CU | 1-9/16 | 3/4 | 1-1/8 | Slot | Slot |
| GTA-250-0 | 1 | 250kcmil-1/0 | 1/0-12 AL 1/0-14 CU | 2 | 15/16 | 1-7/16 | 5/16 | Slot |
| GTA-250-250 | 1 | 250kcmil-1/0 | 250kcmil-6 | 2-1/8 | 15/16 | 1-7/16 | 5/16 | 5/16 |
| GTA-350-350 | 1 | 350kcmil-4/0 | 350kcmil-6 | 2-7/16 | 1 | 1-11/16 | 3/8 | 3/8 |
| GTA-500-500 | 1 | 500kcmil-350kcmil | 500kcmil-2 | 2-15/16 | 1-1/4 | 2 | 3/8 | 3/8 |
| GTA-750-500 | 1 | 750kcmil-500kcmil | 500kcmil-2 | 3-3/8 | 1-5/16 | 2-7/16 | 3/8 | 3/8 |
| GTA-750-750 | 2 | 750kcmil-500kcmil | 750kcmil-1/0 | 3-3/8 | 2-5/8 | 2-7/16 | 1/2 | 1/2 |
| GTA-1000-500 | 1 | 1000kcmil-750kcmil | 500kcmil-2 | 3-3/8 | 1-15/16 | 2-7/16 | 1/2 | 3/8 |

Note: If ordering with cover, add suffix W/C to catalog number.

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Insulating covers are available for most connector sizes.

See page 154 for additional information on covers

DE-OX Inhibitor is recommended for all aluminum terminations.

Tested to UL 486A/B, UL File E6207

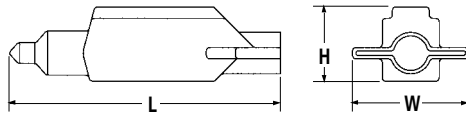
TYPE
SPAR

Features

- Transparent flexible insulating cover
- Range adjustable trim-to-fit tip
- Unique shape and compact design
- Connector, cover and cable tie packaged together
- UL Listed and CSA Certified for 600 volts
- Dual Rated

Benefits

- No taping and allows visual inspection of splice
- Ensures proper fit of cover to cable
- Provides ease of installation, versatility and serviceability of connections made in tight spaces
- Provides ease of ordering
- Ensures reliability
- Use with copper or aluminum conductor



B

| Catalog Number | Wire Range | Dimensions | | | Screw Size & Shape |
|----------------|-------------|------------|------|------|--------------------|
| | | L | W | H | |
| SPAR-4 | 4-14 | 3.30 | 1.55 | .76 | slotted |
| SPAR-2 | 2-14 | 3.83 | 1.75 | .95 | slotted |
| SPAR-1/0 | 1/0-14 | 4.80 | 1.94 | 1.14 | 3/16" socket head |
| SPAR-250 | 250kcmil-6 | 5.67 | 2.41 | 1.29 | 5/16" socket head |
| SPAR-350 | 350kcmil-10 | 6.17 | 3.29 | 1.79 | 5/16" socket head |
| SPAR-500 | 500kcmil-4 | 7.94 | 3.66 | 2.28 | 3/8" socket head |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Not suitable for direct burial.
DE-OX Oxide Inhibitor is recommended for all aluminum terminations.
Tested to UL 486A/B, UL File E6207

TYPE GTT

Features

- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- UL Listed and CSA Certified for 600 volts, 90° C
- Compact design
- Range taking
- Re-usable
- Lay-in main conductor
- Insulating cover available

Benefits

- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Ensures reliability for copper or aluminum conductors
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- No need to break the feeder cable
- Eliminates taping

B

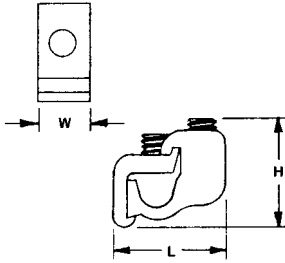


Fig. 1



Fig. 2



| Catalog Number | Figure Number | Wire Range | | Dimensions | | | Hex Size | |
|----------------|---------------|-------------------|---------------------|------------|-------|---------|----------|--------|
| | | Main | Tap | L | W | H | Main | Tap |
| GTT-2-2 | 1 | 2-12 str | 2-12 AL 2-14 CU | 1-1/4 | 9/16 | 1 | Slot | Slot |
| GTT-0-0 | 1 | 1/0-2 | 1/0-12 AL 1/0-14 CU | 1-9/16 | 3/4 | 1-1/8 | Slot | Slot |
| GTT-250-0 | 1 | 250kcmil-1/0 | 1/0-12 AL 1/0-14 CU | 2 | 7/8 | 1-7/16 | 5/16 | Slot |
| GTT-250-250 | 1 | 250kcmil-1/0 | 250kcmil-6 | 2-1/8 | 7/8 | 1-7/16 | 5/16 | 5/16 |
| GTT-350-350 | 1 | 350kcmil-4/0 | 350kcmil-6 | 2-7/16 | 1 | 1-11/16 | 3/8 | 3/8 |
| GTT-500-500 | 1 | 500kcmil-350kcmil | 500kcmil-2 | 2-15/16 | 1-1/4 | 2 | 3/8 | 3/8 |
| GTT-750-500 | 1 | 750kcmil-500kcmil | 500kcmil-2 | 3-3/8 | 1-1/4 | 2-7/16 | 3/8 | 3/8 |
| GTT-750-750 | 2 | 750kcmil-500kcmil | 750kcmil-600kcmil | 3-3/8 | 2-3/8 | 2-7/16 | 1/2 | EH 3/4 |

Note: If ordering with cover, add suffix W/C to catalog number.

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

EH-External Hex

Insulating covers are available for most connector sizes.

See page 154 for additional information on covers

DE-OX Inhibitor is recommended for all aluminum terminations.

Tested to UL 486A/B, UL File E6207

TYPE GTC

Features

- Snap closure
- Color coded
- UL Listed and CSA Certified for 600 volts, 90° C except for GTPC-750-750 and GTTC-750-750

Benefits

- Installs quickly and saves labor time by eliminating taping
- Provides ease of identification in the field
- Ensures reliability



Fig. 1



Fig. 2



Fig. 3

| Catalog Number | Figure Number | Color | Dimensions | | | Used with Connector |
|----------------|---------------|-------|------------|---------|---------|--|
| | | | L | W | H | |
| GTC-2 | 1 | Black | 2-1/4 | 1-13/16 | 1-1/4 | GTA-2-2: GTT-2-2 |
| GTC-0 | 1 | Black | 2-1/2 | 2-3/32 | 1-3/8 | GTA-0-0: GTT-0-0 |
| GTC-250-350 | 1 | Black | 3-61/64 | 3-1/32 | 2 | GTA-250-0: GTA-250-250 GTA-350-350 GTT-250-0: GTT-250-250 GTT-350-350 |
| GTC-500 | 1 | Black | 4-1/8 | 3-1/16 | 2-31/32 | GTA-500-500 GTT-500-500 |
| GTC-750-500 | 1 | Black | 4-7/8 | 3-1/8 | 2-23/32 | GTA-750-500 GTT-750-500 |
| GTPC-750-750* | 2 | Black | 4-7/8 | 4 | 2-7/8 | GTA-750-750 |
| GTTC-750-750* | 3 | Black | 5-3/4 | 4-1/4 | 3-1/16 | GTT-750-750 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* Not UL Listed or CSA Certified

Tested to UL 486A/B, UL File E6207

Multiple Tap Connector Dual Rated - Lay-In

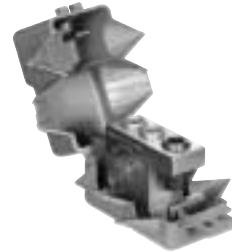
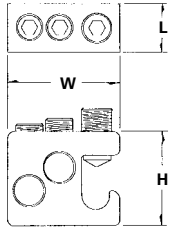
TYPE GT2

Features

- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- UL Listed for 600 volts, 90° C
- Compact design
- Range taking
- Re-usable
- Lay-in main conductor
- Supplied with cover

Benefits

- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Ensures reliability for copper or aluminum conductors
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- No need to break the feeder cable
- Eliminates taping



| Catalog Number | Wire Range Main & Tap | No. of Taps | Dimensions | | | Hex Size |
|----------------|-----------------------|-------------|------------|--------|---------|----------|
| | | | L | W | H | |
| GT2-250-W/C | 250kcmil-2 | 2 | 31/32 | 2-9/32 | 1-15/16 | 5/16 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Inhibitor is recommended for all aluminum terminations.
Tested to UL 486A/B, UL File E6207

TYPE GT4T

Features

- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- UL Listed and CSA Certified for 600 volts, 90° C
- Compact design
- Range taking
- Re-usable
- Lay-in main conductor
- Insulating cover available

Benefits

- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Ensures reliability for copper or aluminum conductors
- Can make up to four taps off a single main which saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- No need to break the feeder cable
- Eliminates taping

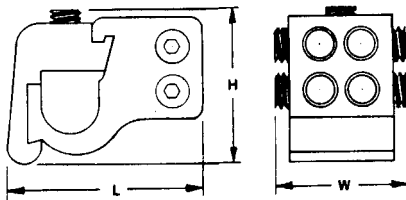


Fig. 1

Fig. 2

| Catalog Number | Figure Number | Wire Range | | No. of Taps | Dimensions | | | Hex Size | |
|----------------|---------------|-------------------|----------------------|-------------|------------|-------|---------|----------|------|
| | | Main | Tap | | L | W | H | Main | Tap |
| GT4T-250-2-1* | 1 | 250kcmil-1/0 | 2-12 AL, 2-14 CU | 4 | 2-3/16 | 1-1/8 | 1-35/64 | 5/16 | Slot |
| GT4T-250-2-2* | 2 | 250kcmil-1/0 | 2-12 AL, 2-14 CU | 4 | 2-3/16 | 1-1/8 | 1-35/64 | 5/16 | Slot |
| GT4T-350-2-1† | 1 | 350kcmil-4/0 | 2-12 AL, 2-14 CU | 4 | 2-17/32 | 1-1/8 | 1-17/32 | 3/8 | Slot |
| GT4T-350-2-2* | 2 | 350kcmil-4/0 | 2-12 AL, 2-14 CU | 4 | 2-17/32 | 1-1/8 | 1-17/32 | 3/8 | Slot |
| GT4T-500-2-1† | 1 | 500kcmil-350kcmil | 2-12 AL, 2-14 CU | 4 | 2-31/32 | 1-1/4 | 1-11/16 | 3/8 | Slot |
| GT4T-500-2-2† | 2 | 500kcmil-350kcmil | 2-12 AL, 2-14 CU | 4 | 2-31/32 | 1-1/4 | 1-11/16 | 3/8 | Slot |
| GT4T-500-0-1† | 1 | 500kcmil-350kcmil | 1/0-12 AL, 1/0-14 CU | 4 | 2-31/32 | 1-1/4 | 1-11/16 | 3/8 | Slot |
| GT4T-500-0-2† | 2 | 500kcmil-350kcmil | 1/0-12 AL, 1/0-14 CU | 4 | 2-31/32 | 1-1/4 | 1-11/16 | 3/8 | Slot |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* GTC-250-350 Cover can be used. See page 154.

† GTC-500 can be used. See page 154.

DE-OX Inhibitor is recommended for all aluminum terminations.

Tested to UL 486A/B, UL File E6207

TYPE GTA/GTT KITS

Features

- Kit includes connector, cover and 5cc DE-OX tube
- Manufactured from high strength aluminum alloy
- Cover has snap closure
- UL Listed and CSA Certified for 600 volts, 90° C

Benefits

- Saves time, convenient
- Suitable for use with copper or aluminum conductors
- Installs quickly, eliminates taping
- Ensures reliability



Fig. 1



Fig. 2

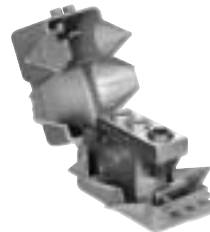


Fig. 3

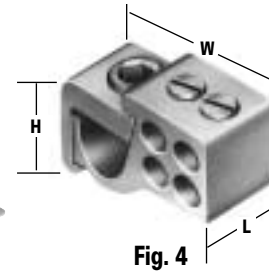


Fig. 4

| Catalog Number | Figure Number | Wire Range | | No. of Taps | Dimensions | | | Hex Size | |
|------------------|---------------|--------------|----------------------|-------------|------------|--------|---------|----------|------|
| | | Main | Tap | | L | W | H | Main | Tap |
| GTA-0-0-KIT | 1 | 1/0-2 | 1/0-12 AL, 1/0-14 CU | 1 | 3/4 | 1-7/16 | 1-1/8 | Slot | Slot |
| GTA-2-2-KIT | 1 | 2-12 | 2-12 AL, 2-14 CU | 1 | 9/16 | 1-1/8 | 1 | Slot | Slot |
| GTA-250-0-KIT | 1 | 250kcmil-1/0 | 1/0-12 AL, 1/0-14 CU | 1 | 7/8 | 2 | 1-7/16 | 5/16 | Slot |
| GTA-250-250-KIT | 1 | 250kcmil-1/0 | 250kcmil-6 | 1 | 7/8 | 2 | 1-7/16 | 5/16 | 5/16 |
| GTT-0-0-KIT | 2 | 1/0-2 | 1/0-12 AL, 1/0-14 CU | 1 | 3/4 | 1-9/16 | 1-1/8 | Slot | Slot |
| GTT-2-2-KIT | 2 | 2-12 | 2-12 AL, 2-14 CU | 1 | 9/16 | 1-1/4 | 1 | Slot | Slot |
| GTT-250-0-KIT | 2 | 250kcmil-1/0 | 1/0-12 AL, 1/0-14 CU | 1 | 7/8 | 2 | 1-7/16 | 5/16 | Slot |
| GTT-250-250-KIT | 2 | 250kcmil-1/0 | 250kcmil-6 | 1 | 7/8 | 2-1/8 | 1-7/16 | 5/16 | 5/16 |
| GT2-250-KIT | 3 | 250kcmil-2 | 250kcmil-2 | 2 | 1-3/4 | 3-1/4 | 2-1/2 | 5/16 | 5/16 |
| GT4T-250-2-2-KIT | 4 | 250kcmil-1/0 | 2-12 AL, 2-14 CU | 4 | 2-1/4 | 1 | 1-11/16 | 5/16 | Slot |
| GT4T-350-2-2-KIT | 4 | 350kcmil-4/0 | 2-12 AL, 2-14 CU | 4 | 2-7/16 | 1 | 1-3/4 | 3/8 | Slot |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Note: Covers are for indoor use only.

Tested to UL 486A/B, UL File E6207

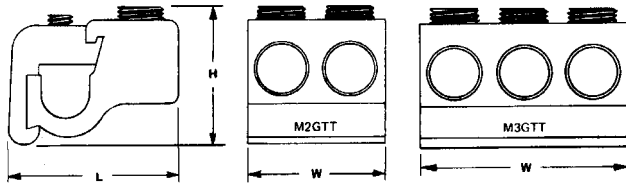
TYPE MGTT

Features

- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- Dual-Rated
- Compact design
- Range taking
- Re-usable
- Lay-in main conductor

Benefits

- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Can be used with copper and/or aluminum conductors
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- No need to break the feeder cable



B

| Catalog Number | Wire Range | | No. of Tap Openings | Dimensions | | | Hex Size | |
|----------------|-------------------|------------|---------------------|------------|-------|---------|----------|------|
| | Main | Tap | | L | W | H | Main | Tap |
| M2GTT-250-250 | 250kcmil-1/0 | 250kcmil-6 | 2 | 2 | 1-3/4 | 1-5/8 | 5/16 | 5/16 |
| M2GTT-350-350 | 350kcmil-4/0 | 350kcmil-6 | 2 | 2-1/4 | 2 | 1-11/16 | 5/16 | 5/16 |
| M3GTT-350-350 | 350kcmil-4/0 | 350kcmil-6 | 3 | 2-1/4 | 3 | 1-11/16 | 5/16 | 5/16 |
| M2GTT-500-500 | 500kcmil-350kcmil | 500kcmil-2 | 2 | 2-3/4 | 2-3/8 | 1-13/16 | 3/8 | 3/8 |
| M3GTT-500-500 | 500kcmil-350kcmil | 500kcmil-2 | 3 | 2-3/4 | 3-1/2 | 1-13/16 | 3/8 | 3/8 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Inhibitor is recommended for all aluminum terminations.

TYPE PTA

Features

- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- UL Listed and CSA Certified for 600 volts, 90° C
- Compact design
- Range taking
- Re-usable
- Lay-in main conductors
- Supplied with insulating cover

Benefits

- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Ensures reliability for copper or aluminum conductors
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- No need to break the feeder cables
- Eliminates taping



Fig. 1

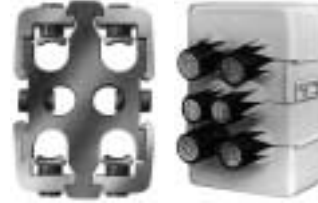


Fig. 2



Fig. 3

| Catalog Number | Figure Number | Main Wire Range | Bottom Tap Range | Dimensions | | | Hex Size | |
|------------------|---------------|-------------------------|--------------------------|------------|--------|--------|----------|-----------------|
| | | | | H | W | D | Main | Tap |
| PTA2-500-500-W/C | 1 | Two: 500kcmil-250kcmil | Two: 500kcmil-4 | 3-15/16 | 3-1/2 | 1-1/4 | 3/8 | 3/8 |
| PTA2-750-500-W/C | 1 | Two: 750kcmil-350kcmil | Two: 500kcmil-4 | 3-5/8 | 4-3/32 | 1-5/16 | 3/8 | 3/8 |
| PTA4-750-500-W/C | 2 | Four: 750kcmil-350kcmil | Two: 500kcmil-4 | 5-7/8 | 4-3/32 | 1-5/16 | 3/8 | 3/8 |
| PTA26-500-4/0*+ | 3 | Two: 500kcmil-4/0 | Four: 4/0-6 Two: 2-14 | 3-15/16 | 3-1/2 | 1-1/4 | 3/8 | 5/16 Slotted |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Note: W/C indicates product is supplied with insulating cover.

* Not CSA Certified.

+ Cover must be ordered separately. For non UL cover, order 1 each RO614W00A and RO615W00A.

DE-OX Inhibitor is recommended for all aluminum terminations.

Tested to UL 486A/B, UL File E6207

**TYPE
PCT**

Features

- Transparent flexible insulating cover
- Captive pressure screws
- Self-closing openings
- Access from both sides of connector
- Broad wire range: 800kcmil-14
- UL Listed for 600 volts, 90° C
- Dual Rated

Benefits

- No taping and allows visual inspection of connection
- No wasted time finding screws
- No lost or loose caps and plugs
- Provides greater versatility
- Reduces inventory
- Ensures reliability
- For copper or aluminum conductor

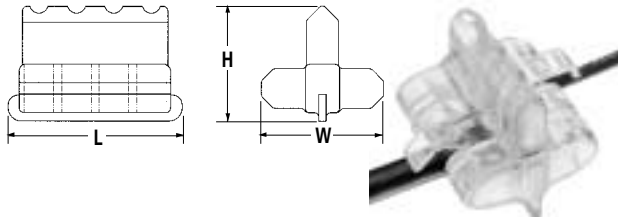


Fig. 1 (Patented)

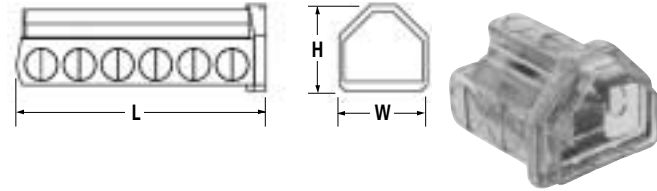


Fig. 2




B

| Catalog Number | Figure No. | No. Of Ports | Wire Range | Ampere Rating | Dimensions | | | Hex Size |
|----------------|------------|--------------|-------------------|---------------|------------|------|------|----------|
| | | | | | L | W | H | |
| PCT-2-4 | 1 | 2 | 4-14 | 95 | 1.46 | 1.57 | 1.43 | slot |
| PCT-4-4 | 1 | 4 | 4-14 | 95 | 2.46 | 1.57 | 1.43 | slot |
| PCT-6-4 | 1 | 6 | 4-14 | 95 | 3.46 | 1.57 | 1.43 | slot |
| PCT-8-4 | 1 | 8 | 4-14 | 95 | 4.46 | 1.57 | 1.43 | slot |
| PCT-2-2/0 | 2 | 2 | 2/0-14 | 195 | 2.61 | 2.30 | 1.97 | 3/16 |
| PCT-4-2/0 | 2 | 4 | 2/0-14 | 195 | 4.30 | 2.30 | 1.97 | 3/16 |
| PCT-6-2/0 | 2 | 6 | 2/0-14 | 195 | 5.98 | 2.30 | 1.97 | 3/16 |
| PCT-8-2/0 | 2 | 8 | 2/0-14 | 195 | 7.67 | 2.30 | 1.97 | 3/16 |
| PCT-2-4/0 | 2 | 2 | 4/0-6 | 260 | 2.33 | 2.49 | 2.25 | 5/16 |
| PCT-4-4/0 | 2 | 4 | 4/0-6 | 260 | 4.19 | 2.49 | 2.25 | 5/16 |
| PCT-6-4/0 | 2 | 6 | 4/0-6 | 260 | 6.05 | 2.49 | 2.25 | 5/16 |
| PCT-8-4/0 | 2 | 8 | 4/0-6 | 260 | 7.91 | 2.49 | 2.25 | 5/16 |
| PCT-2-350 | 2 | 2 | 350 kcmil-6 | 350 | 2.75 | 2.69 | 2.65 | 5/16 |
| PCT-4-350 | 2 | 4 | 350 kcmil-6 | 350 | 5.06 | 2.69 | 2.65 | 5/16 |
| PCT-6-350 | 2 | 6 | 350 kcmil-6 | 350 | 7.37 | 2.69 | 2.65 | 5/16 |
| PCT-8-350 | 2 | 8 | 350 kcmil-6 | 350 | 9.68 | 2.69 | 2.65 | 5/16 |
| PCT-2-600 | 2 | 2 | 600 kcmil-4 | 475 | 3.17 | 3.20 | 3.27 | 3/8 |
| PCT-4-600 | 2 | 4 | 600 kcmil-4 | 475 | 5.73 | 3.20 | 3.27 | 3/8 |
| PCT-6-600 | 2 | 6 | 600 kcmil-4 | 475 | 8.29 | 3.20 | 3.27 | 3/8 |
| PCT-8-600 | 2 | 8 | 600 kcmil-4 | 475 | 10.86 | 3.20 | 3.27 | 3/8 |
| PCT-2-800 | 2 | 2 | 800kcmil-250kcmil | 555 | 3.91 | 3.34 | 3.30 | 1/2 |
| PCT-4-800 | 2 | 4 | 800kcmil-250kcmil | 555 | 7.03 | 3.34 | 3.30 | 1/2 |
| PCT-6-800 | 2 | 6 | 800kcmil-250kcmil | 555 | 10.15 | 3.34 | 3.30 | 1/2 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Not suitable for direct burial.

Tested to UL 486A/B, UL File E6207

Mechanical

| | | | | | |
|--|---|---|---|---|---|
| <p>TA-I-TC</p>  <p>163</p> | <p>TA</p>  <p>164</p> <p>ATTA</p>  <p>165</p> | <p>AU</p>  <p>166</p> <p>ATAU</p>  <p>167</p> | <p>T3A</p>  <p>168</p> <p>T4A4</p>  <p>169</p> | <p>PBHD</p>  <p>171</p> | <p>PBHD</p>  <p>171</p> <p>PBMW</p>  <p>172</p> |
| <p>TLK</p>  <p>173</p> | <p>USGL</p>  <p>174</p> | <p>SPA</p>  <p>175</p> | <p>CA</p>  <p>176</p> | <p>GTA</p>  <p>177</p> | <p>GTT</p>  <p>178</p> |
| <p>GTC</p>  <p>179</p> | <p>GT2</p>  <p>180</p> | <p>GT4T</p>  <p>181</p> | <p>MGTT</p>  <p>182</p> | <p>PTA</p>  <p>183</p> | <p>PDH</p>  <p>184 - 185</p> |
| <p>PDE</p>  <p>186</p> | <p>PDL</p>  <p>187</p> | <p>PDS</p>  <p>188 - 189</p> | <p>PDM</p>  <p>190 - 191</p> | <p>LDAU, LDBU</p>  <p>192</p> | <p>PDBU</p>  <p>193 - 195</p> |
| <p>LDA, LDB</p>  <p>196</p> | <p>PDA, PDC</p>  <p>197</p> | <p>PDB</p>  <p>198 - 203</p> | <p>PDE</p>  <p>204</p> | <p>IPC</p>  <p>205</p> | <p>AK</p>  <p>206</p> |
| <p>DBA/DBA-S</p>  <p>207</p> | <p>AGC, SGC</p>  <p>208</p> | <p>SGB</p>  <p>209</p> | <p>GBL</p>  <p>210</p> | <p>GBT</p>  <p>211</p> | <p>GH, GHS</p>  <p>212</p> |
| <p>GJ, GJS</p>  <p>213</p> | <p>GM, GMS, GWL</p>  <p>214</p> | <p>GO</p>  <p>215</p> | <p>GR</p>  <p>216</p> | <p>GT</p>  <p>217</p> | <p>GSE, HGSE</p>  <p>218</p> |
| <p>GU</p>  <p>219 - 220</p> | <p>GTGC</p>  <p>221</p> | <p>LS, LSN</p>  <p>222</p> | <p>PED-Z</p>  <p>223</p> | <p>PED-X, PSA-Z</p>  <p>224</p> | <p>PEC</p>  <p>224</p> |

Mechanical

| | | | | | | |
|---|---|--|---|---|---|--|
| <p>PET</p>  <p>225</p> | <p>PTT</p>  <p>226</p> | <p>NB</p>  <p>227</p> | <p>NBAS</p>  <p>228</p> | <p>NBAE</p>  <p>229</p> | <p>NBCE</p>  <p>230</p> | <p>NBST</p>  <p>231</p> |
| <p>SCNL</p>  <p>232</p> | <p>USPASS</p>  <p>234</p> | <p>DBK</p>  <p>235</p> | <p>ASK</p>  <p>235</p> | <p>SS, SSK, SSKC</p>  <p>236</p> | <p>PG</p>  <p>237</p> | <p>SCNM</p>  <p>233</p> |
| <p>GRM, GRF</p>  <p>238</p> | <p>SLU/SAU</p>  <p>239</p> | <p>SLS/SAS</p>  <p>239</p> | <p>E, H</p>  <p>240</p> | <p>SLUH</p>  <p>241</p> | <p>LO</p>  <p>242</p> | |
| <p>VT/LO-S</p>  <p>243</p> | <p>XT, LY</p>  <p>244</p> | <p>CP</p>  <p>245</p> | <p>CO</p>  <p>246 - 247</p> | <p>CO-PP</p>  <p>248</p> | <p>SX</p>  <p>249</p> | |
| <p>2SC</p>  <p>250</p> | <p>N</p>  <p>251</p> | <p>MU, LU</p>  <p>252</p> | <p>CL</p>  <p>253 - 254</p> | <p>HL</p>  <p>255</p> | <p>CL</p>  <p>256</p> | |
| <p>H2L</p>  <p>257</p> | <p>H3L</p>  <p>258</p> | <p>CGRC</p>  <p>259</p> | <p>BGRC</p>  <p>260</p> | <p>SRC</p>  <p>261</p> | <p>GRC</p>  <p>262</p> | <p>DCGC</p>  <p>263</p> |
| <p>BGC</p>  <p>264 - 265</p> | <p>BGDB</p>  <p>266</p> | <p>BGCS</p>  <p>267</p> | <p>D167</p>  <p>268</p> | <p>CAN</p>  <p>269</p> | <p>N-174</p>  <p>269</p> | |
| <p>IK</p>  <p>270</p> | <p>IK3</p>  <p>271</p> | <p>SK</p>  <p>272</p> | <p>IKB</p>  <p>273</p> | <p>IKS</p>  <p>274</p> | <p>TORQUE INDEX</p> <p>275</p> | |

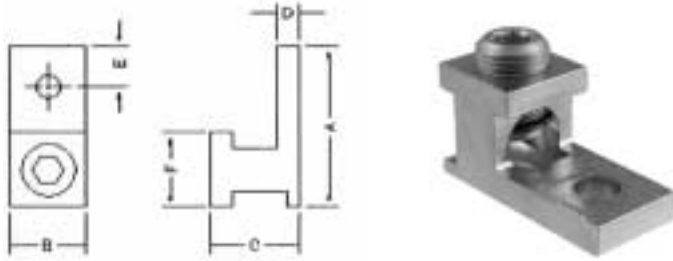
TYPE TA-I-TC

Features

- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- Chamfered wire entry
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90° C

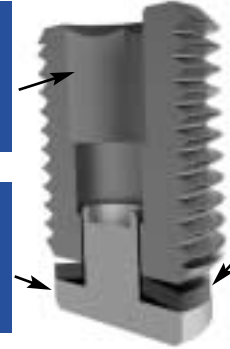
Benefits

- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Provides ease of installation
- Application versatility



SCREW BODY
allows tightening
and loosening
with internal
hex head

DISK PAD
eliminates
tearing of
strands in DLO
and flex wire



BELLEVILLE WASHER
provides constant
normal force
around disk pad

| Catalog Number | Conductor Range | Fine Strand and CU Conductor Range | Mounting Hole Diameter | Dimensions | | | | | | Hex Size |
|----------------|-------------------|--|------------------------|------------|-------|-------|------|------|-------|----------|
| | | | | A | B | C | D | E | F | |
| TA3/0I-TC | 3/0-6 | 2/0-6 CLASS H, I, K, & DLO 1-6 CLASS M | .344 | 1.875 | .875 | 1.000 | .250 | .470 | .875 | 1/4 |
| TA250I-TC | 250kcmil-6 | 4/0-6 CLASS H, I, K 2/0-6 CLASS M 3/0-6 DLO | .406 | 2.125 | .938 | 1.125 | .293 | .500 | 1.00 | 5/16 |
| TA350I-TC | 350kcmil-6 | 250kcmil-6 CLASS H, I, K 4/0-6 CLASS M 262.2-6 DLO | .406 | 2.375 | 1.000 | 1.375 | .312 | .625 | 1.125 | 5/16 |
| TA500I-TC | 500kcmil-4 | 350kcmil-4 CLASS H, I, K 4/0-6 CLASS M 373.7-4 DLO | .406 | 2.613 | 1.350 | 1.500 | .423 | .690 | 1.200 | 3/8 |
| TA800I-TC | 800kcmil-300kcmil | 500kcmil-4 CLASS H, I, K 4/0-3/0 CLASS M 535.3-3/0 DLO | .660 | 3.250 | 1.468 | 1.875 | .500 | .880 | 1.500 | 1/2 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Inhibitor is recommended for all aluminum terminations.

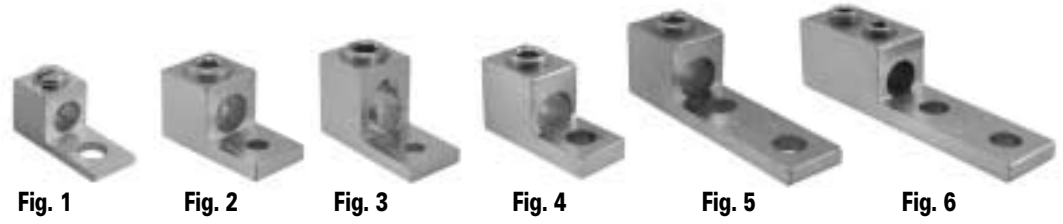
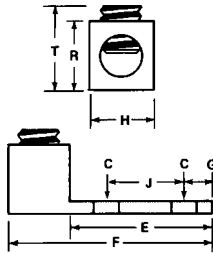
TYPE TA

Features

- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- Chamfered wire entry
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90° C

Benefits

- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Provides ease of installation
- Application versatility



| Catalog Number | Figure Number | Conductor Range | Bolt Size | Dimensions | | | | | | | | | Hex Size |
|----------------|---------------|--|-----------|------------|---------|---------|-------|--------|-------|------|---------|---------|----------|
| | | | | C | E | F | G | H | J | K | R | T | |
| TA-6-S† | 1 | 4-14 | 1/4 | 17/64 | 11/16 | 1-1/16 | 1/4 | 3/8 | - | 3/32 | 1/2 | 41/64 | S |
| TA-2‡ | 1 | One: 2-14 Two: 10-14 CU 10-12 AL | 1/4 | 17/64 | 11/16 | 1-5/32 | 5/16 | 1/2 | - | 7/64 | 9/16 | 3/4 | S |
| TA-0‡ | 1 | One: 1/0-14 Two: 4-12 | 1/4 | 17/64 | 27/32 | 1-15/32 | 7/16 | 5/8 | - | 3/16 | 25/32 | 29/32 | S |
| TA-2/0‡ | 2 | 2/0-14 | 1/4 | 17/64 | 27/32 | 1-15/32 | 7/16 | 5/8 | - | 3/16 | 25/32 | 1-1/32 | 3/16 |
| TA-250‡ | 2 | 250kcmil-6 | 5/16 | 21/64 | 1 | 2 | 15/32 | 1 | - | 1/4 | 1-1/8 | 1-21/64 | 5/16 |
| TA-300‡ | 2 | 300kcmil-6 | 1/4 | 9/32 | 1 | 2 | 1/2 | 55/64 | - | 1/4 | 1-1/8 | 1-11/32 | 5/16 |
| TA-350‡ | 2 | 350kcmil-6 | 3/8 | 13/32 | 1-1/8 | 2-1/4 | 1/2 | 1-1/8 | - | 1/4 | 1-1/4 | 1-29/64 | 3/8 |
| TA-500‡ | 2 | 500kcmil-4 | 3/8 | 13/32 | 1-19/32 | 2-13/16 | 7/8 | 1-1/2 | - | 5/16 | 1-13/16 | 1-13/16 | 3/8 |
| TA-500-S | 3 | One: 600kcmil-4 Two: 250kcmil-1/0* | 3/8 | 13/32 | 1-1/2 | 2-13/16 | 5/8 | 1-5/16 | - | 5/16 | 1-13/16 | 2-3/16 | 1/2 |
| TA-600 | 2 | 600kcmil-2 | 3/8 | 13/32 | 1-13/16 | 3-3/16 | 7/8 | 1-1/2 | - | 7/16 | 1-9/16 | 1-31/32 | 1/2 |
| TA-800 | 2 | 800kcmil-300kcmil | 5/8 | 21/32 | 1-3/4 | 3-3/8 | 7/8 | 1-3/4 | - | 1/2 | 1-15/16 | 2-15/64 | 1/2 |
| TA-800-S | 4 | 800kcmil-3/0 | 5/8 | 21/32 | 1-3/4 | 3-1/4 | 11/16 | 1-5/16 | - | 1/2 | 1-13/16 | 2-3/16 | 1/2 |
| TA-1000 | 2 | 1000kcmil-350kcmil | 5/8 | 21/32 | 1-3/4 | 3-3/8 | 7/8 | 1-3/4 | - | 1/2 | 1-15/16 | 2-25/64 | 9/16 |
| TA-1000-S | 4 | 1000kcmil-500kcmil | 5/8 | 21/32 | 1-3/4 | 3-1/4 | 11/16 | 1-7/16 | - | 1/2 | 1-13/16 | 2-3/16 | 9/16 |
| TA-350-2NS | 5 | 350kcmil-6 | 1/2 | 9/16 | 3 | 4-5/16 | 5/8 | 1-1/8 | 1-3/4 | 5/16 | 1-3/8 | 1-29/64 | 3/8 |
| TA-600-2NS | 5 | 600kcmil-2 | 1/2 | 9/16 | 3-5/16 | 4-11/16 | 5/8 | 1-1/2 | 1-3/4 | 7/16 | 1-3/8 | 1-59/64 | 1/2 |
| TA-800-2NS | 5 | 800kcmil-300kcmil | 1/2 | 9/16 | 3-1/8 | 4-3/4 | 5/8 | 1-3/4 | 1-3/4 | 1/2 | 1-15/16 | 2-3/16 | 1/2 |
| TA-1000-2NS | 5 | 1000kcmil-500kcmil | 1/2 | 9/16 | 3-1/8 | 4-3/4 | 5/8 | 1-3/4 | 1-3/4 | 1/2 | 1-15/16 | 2-27/64 | 9/16 |
| TA-350-2N | 6 | 350kcmil-6 | 1/2 | 9/16 | 3-1/4 | 5-1/2 | 5/8 | 1-1/4 | 1-3/4 | 3/8 | 1-1/2 | 1-21/32 | (2)3/8 |
| TA-600-2N | 6 | 600kcmil-2 | 1/2 | 9/16 | 3-1/4 | 5-1/2 | 5/8 | 1-3/8 | 1-3/4 | 3/8 | 1-1/2 | 1-31/32 | (2)3/8 |
| TA-800-2N | 6 | 800kcmil-300kcmil | 1/2 | 9/16 | 3-5/8 | 5.97 | 5/8 | 1-1/2 | 1-3/4 | 1/2 | 1.813 | 2-15/64 | (2)1/2 |
| TA-1000-2N | 6 | 1000kcmil-350kcmil | 1/2 | 9/16 | 3-5/8 | 5.97 | 5/8 | 1-5/8 | 1-3/4 | 1/2 | 1.813 | 2-25/64 | (2)1/2 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

DE-OX Inhibitor is recommended for all aluminum terminations.

* Parallel conductor must be identical

Tested to UL 486A/B, UL File E6207

‡ Tested to UL 467, UL File E6207

TYPE ATTA

Features

- Manufactured from high strength aluminum alloy
- Electro-tin plated
- Chamfered wire entry
- Anti-rotation bar
- Suitable for use in circuits rated 35KV or less; proper high voltage spacing and insulation techniques must be used
- AL9CU, rated to 90° C

Benefits

- Suitable for use with copper or aluminum conductors
- Provides low contact resistance
- For easy conductor insertion
- Reduces risk of movement at installation
- Application versatility

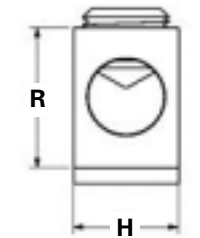


Fig. 1

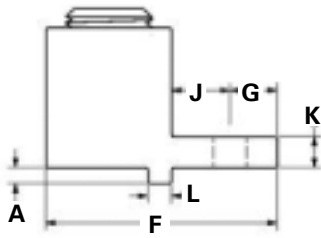


Fig. 3

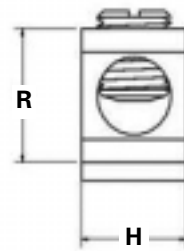


Fig. 2

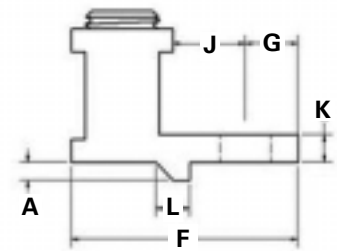


Fig. 4

| Catalog Number | Figure Number | Wire Range | Bolt Size | Dimensions - in. (mm) | | | | | | | | Hex Size |
|----------------|---------------|------------|-----------|-----------------------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|----------|
| | | | | H | R | F | J | G | K | L | A | |
| ATTA-1/0-14 | 1 | 1/0-14 | 1/4 | 0.625 (15.9) | 0.787 (20.0) | 1.468 (37.3) | 0.468 (11.9) | 0.375 (9.5) | 0.187 (4.7) | 0.125 (3.2) | 0.062 (1.6) | SLOT |
| ATTA-2/0-14 | 2 | 2/0-6 | 1/4 | 0.625 (15.9) | 0.747 (19.0) | 1.340 (34.0) | 0.330 (8.4) | 0.310 (7.9) | 0.156 (4.0) | 0.200 (5.1) | 0.100 (2.5) | SLOT |
| ATTA-250-14 | 3 | 250kcmil-6 | 1/4 | 0.836 (21.2) | 1.125 (28.6) | 1.843 (46.8) | 0.468 (11.9) | 0.375 (9.5) | 0.250 (6.4) | 0.188 (4.8) | 0.125 (3.2) | 5/16 |
| ATTA-300-14 | 4 | 300kcmil-6 | 1/4 | 1.000 (25.4) | 1.125 (28.6) | 2.080 (52.8) | 0.330 (8.4) | 0.470 (11.9) | 0.250 (6.4) | 0.273 (6.9) | 0.100 (2.5) | 3/8 |
| ATTA-350-38 | 3 | 350kcmil-6 | 3/8 | 1.000 (25.4) | 1.125 (28.6) | 1.906 (48.4) | 0.500 (12.7) | 0.406 (10.3) | 0.250 (6.4) | 0.187 (4.7) | 0.125 (3.2) | 3/8 |
| ATTA-350-14 | 4 | 350kcmil-6 | 1/4 | 1.000 (25.4) | 1.125 (28.6) | 1.760 (44.7) | 0.390 (9.9) | 0.330 (8.4) | 0.200 (5.1) | 0.273 (6.9) | 0.100 (2.5) | 3/8 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX® oxide inhibitor recommended for all aluminum terminations
Tested to UL486A/B, UL File E6207

TYPE AU

Features

- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- Chamfered wire entry
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90° C

Benefits

- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Provides ease of installation
- Application versatility

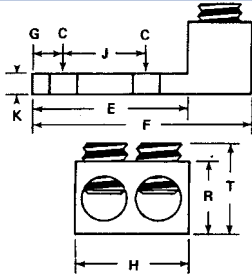


Fig. 1



Fig. 2



Fig. 3



Fig. 4

| Catalog Number | Figure Number | Wire Range | Bolt Size | Dimensions | | | | | | | | | Hex Size |
|----------------|---------------|-------------------------|-----------|------------|---------|---------|-------|---------|-------|------|---------|---------|----------|
| | | | | C | E | F | G | H | J | K | R | T | |
| AU-0‡ | 1 | Two: 1/0-14 | 1/4 | 17/64 | 27/32 | 1-15/32 | 7/16 | 1-1/8 | - | 3/16 | 51/64 | 29/32 | S |
| AU-2/0‡ | 2 | Two: 2/0-14 | 1/4 | 17/64 | 27/32 | 1-15/32 | 27/64 | 1-1/4 | - | 3/16 | 51/64 | 1-1/32 | 3/16 |
| AU-250‡ | 2 | Two: 250kcmil-6 | 3/8 | 25/64 | 1-9/16 | 2-9/16 | 7/8 | 1-21/32 | - | 1/4 | 1-3/16 | 1-9/32 | 5/16 |
| AU-350‡ | 2 | Two: 350kcmil-6 | 1/2 | 9/16 | 1-3/4 | 2-7/8 | 7/8 | 1-57/64 | - | 1/4 | 1-1/4 | 1-3/8 | 5/16 |
| AU-600 | 2 | Two: 600kcmil-2 | 1/2 | 17/32 | 1-13/16 | 3-3/16 | 5/8 | 2-13/32 | - | 7/16 | 1-9/16 | 1-31/32 | 1/2 |
| AU-800 | 2 | Two: 800kcmil-300kcmil | 5/8 | 21/32 | 1-3/4 | 3-3/8 | 7/8 | 3-3/16 | - | 1/2 | 1-15/16 | 2-15/64 | 1/2 |
| AU-1000 | 2 | Two: 1000kcmil-500kcmil | 5/8 | 21/32 | 1-3/4 | 3-3/8 | 7/8 | 3-3/16 | - | 1/2 | 1-15/16 | 2-25/64 | 9/16 |
| AU-600-2NS | 3 | Two: 600kcmil-2 | 1/2 | 9/16 | 3-5/16 | 4-11/16 | 5/8 | 2-13/32 | 1-3/4 | 7/16 | 1-3/8 | 2-3/64 | 1/2 |
| AU-800-2NS | 3 | Two: 800kcmil-300kcmil | 1/2 | 9/16 | 3-1/8 | 4-3/4 | 5/8 | 3-3/16 | 1-3/4 | 1/2 | 1-15/16 | 2-3/16 | 1/2 |
| AU-1000-2NS | 3 | Two: 1000kcmil-500kcmil | 1/2 | 9/16 | 3-1/8 | 4-3/4 | 5/8 | 3-3/16 | 1-3/4 | 1/2 | 1-5/8 | 2-33/64 | 9/16 |
| AU-350-2N‡ | 3 | Two: 350kcmil-6 | 1/2 | 9/16 | 3 | 4-5/16 | 5/8 | 2 | 1-3/4 | 5/16 | 1-3/8 | 1-29/64 | 5/16 |
| AU-350-N* | 4 | Two: 350kcmil-6 | 1/2 | 9/16 | 3-1/4 | 5-1/2 | 5/8 | 2-3/4 | 1-3/4 | 3/8 | 1-1/2 | 1-31/32 | 5/16 |
| AU-600-2N* | 4 | Two: 600kcmil-2 | 1/2 | 9/16 | 3-1/4 | 5-1/2 | 5/8 | 2-3/4 | 1-3/4 | 3/8 | 1-1/2 | 1-31/32 | 1/2 |
| AU-800-2N* | 4 | Two: 800kcmil-300kcmil | 1/2 | 9/16 | 3-5/8 | 5-31/32 | 5/8 | 3 | 1-3/4 | 1/2 | 1-13/16 | 2-15/64 | 1/2 |
| AU-1000-2N* | 4 | Two: 1000kcmil-500kcmil | 1/2 | 9/16 | 3-5/8 | 5-31/32 | 5/8 | 3-1/4 | 1-3/4 | 1/2 | 1-13/16 | 2-25/64 | 9/16 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

DE-OX Inhibitor is recommended for all aluminum terminations.

Tested to UL 486A/B, UL File E6207

‡ Tested to UL 467, UL File E6207

* Mounting hole spacing from side to side, hole to hole is .875

Aluminum Mechanical Lugs Anti-Turn Connector Dual Rated - Two Conductor

TYPE ATAU

Features

- Manufactured from high strength aluminum alloy
- Electro-tin plated
- Chamfered wire entry
- Anti-rotation bar
- Suitable for use in circuits rated 35KV or less; proper high voltage spacing and insulation techniques must be used
- AL9CU, rated to 90° C

Benefits

- Suitable for use with copper or aluminum conductors
- Provides low contact resistance
- For easy conductor insertion
- Reduces risk of movement at installation
- Application versatility

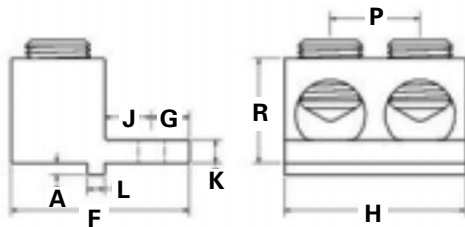


Fig. 1

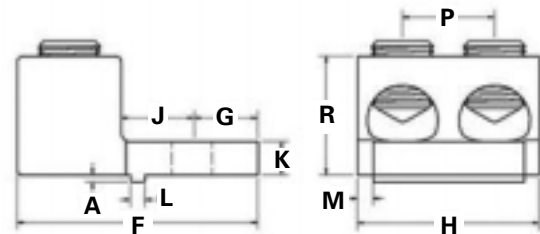


Fig. 2

| Catalog Number | Figure Number | Wire Range | Bolt Size | Dimensions - in. (mm) | | | | | | | | | | Hex Size |
|----------------|---------------|------------|-----------|-----------------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|-------------|-------------|----------|
| | | | | H | R | P | M* | F | J | G | K | L | A | |
| ATAU-2/0-14 | 1 | 2/0-14 | 1/4 | 1.250 (31.8) | 0.787 (20.0) | 0.656 (16.7) | N/A | 1.468 (37.3) | 0.503 (12.8) | 0.340 (8.6) | 0.187 (4.7) | 0.125 (3.2) | 0.062 (1.6) | 3/16 |
| ATAU-350-14 | 1 | 350kcmil-6 | 1/4 | 1.938 (49.2) | 1.125 (28.6) | 0.957 (24.3) | N/A | 1.906 (48.4) | 0.500 (12.7) | 0.406 (10.3) | 0.250 (6.4) | 0.187 (4.7) | 0.125 (3.2) | 5/16 |
| ATAU-350-12* | 2 | 350kcmil-4 | 1/2 | 1.900 (48.3) | 1.250 (31.8) | 0.957 (24.3) | 0.075 (1.9) | 2.875 (73.0) | 0.875 (22.2) | 0.875 (22.2) | 0.250 (6.4) | 0.250 (6.4) | 0.250 (6.4) | 5/16 |
| ATAU-600-12* | 2 | 600kcmil-2 | 1/2 | 2.406 (61.1) | 1.562 (39.7) | 1.219 (31.0) | 0.203 (5.2) | 3.000 (76.2) | 0.938 (23.8) | 0.687 (17.4) | 0.437 (11.1) | 0.187 (4.7) | 0.093 (2.4) | 1/2 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

DE-OX® oxide inhibitor recommended for all aluminum terminations

Tested to UL486A/B, UL File E6207

*Reduced tang design to accommodate physical breaker box mounting limitations

TYPE T3A

Features

- Manufactured from high strength 6061-T6 aluminum alloy
- Electro tin plated
- Chamfered wire entry
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Must be mounted with a minimum of 2 bolts
- Rated to 90° C

Benefits

- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Provides ease of installation
- Application versatility

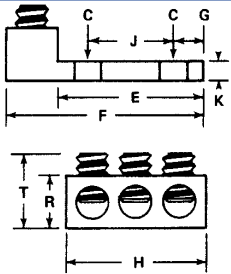


Fig. 1



Fig. 2

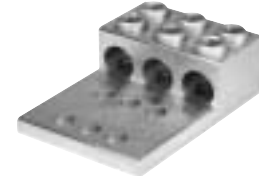


Fig. 3

| Catalog Number | Figure Number | Wire Range | Bolt Size | Dimensions | | | | | | | | | Hex Size |
|----------------|---------------|---------------------------|-----------|------------|---------|---------|-------|---------|-------|------|---------|---------|----------|
| | | | | C | E | F | G | H | J | K | R | T | |
| T3A2-2 | 1 | Three: 2-14 | 5/16 | 11/32 | 1-11/16 | 2-3/16 | 11/32 | 1-19/32 | 7/8 | 3/16 | 5/8 | 13/16 | Slot |
| T3A2-0 | 1 | Three: 1/0-14 | 3/8 | 7/16 | 2-5/32 | 2-29/32 | 11/32 | 1-15/16 | 1 | 1/4 | 7/8 | 15/16 | Slot |
| T3A2-3/0N | 1 | Three: 3/0-6 | 1/2 | 9/16 | 3 | 3-7/8 | 5/8 | 2-13/16 | 1-3/4 | 5/16 | 1-1/8 | 1-1/2 | 5/16 |
| T3A2-250N | 1 | Three: 250kcmil-6 | 1/2 | 9/16 | 3 | 4 | 5/8 | 2-13/16 | 1-3/4 | 5/16 | 1-3/16 | 1-17/32 | 5/16 |
| T3A2-350N | 1 | Three: 350kcmil-6 | 1/2 | 9/16 | 3 | 4-5/16 | 5/8 | 3 | 1-3/4 | 5/16 | 1-3/8 | 1-17/32 | 5/16 |
| T3A2-600N* | 3 | Three: 600kcmil-2 | 1/2 | 9/16 | 3-1/4 | 5-1/2 | 5/8 | 3-1/2 | 1-3/4 | 3/8 | 1-1/2 | 1-49/64 | 1/2 |
| T3A2-800N* | 3 | Three: 800kcmil-350kcmil | 1/2 | 9/16 | 3-5/8 | 5-31/32 | 5/8 | 4-1/8 | 1-3/4 | 1/2 | 1-13/16 | 2-21/64 | 5/16 |
| T3A2-1000N* | 3 | Three: 1000kcmil-500kcmil | 1/2 | 9/16 | 3-5/8 | 5-31/32 | 5/8 | 4-7/8 | 1-3/4 | 1/2 | 1-13/16 | 2-21/64 | 3/8 |
| T3A4-2 | 2 | Three: 2-14 | 5/16 | 11/32 | 1-11/16 | 2-3/16 | 11/32 | 1-19/32 | 7/8 | 3/16 | 5/8 | 13/16 | Slot |
| T3A4-0 | 2 | Three: 1/0-14 | 3/8 | 7/16 | 2-5/32 | 2-29/32 | 11/32 | 1-15/16 | 1 | 1/4 | 7/8 | 15/16 | Slot |
| T3A4-3/0N | 2 | Three: 3/0-6 | 1/2 | 9/16 | 3 | 3-7/8 | 5/8 | 2-13/16 | 1-3/4 | 5/16 | 1-1/8 | 1-1/2 | 5/16 |
| T3A4-250N | 2 | Three: 250kcmil-6 | 1/2 | 9/16 | 3 | 4 | 5/8 | 2-13/16 | 1-3/4 | 5/16 | 1-3/16 | 1-17/32 | 5/16 |
| T3A4-350N | 2 | Three: 350kcmil-6 | 1/2 | 9/16 | 3 | 4-5/16 | 5/8 | 3 | 1-3/4 | 5/16 | 1-3/8 | 1-17/32 | 5/16 |
| T3A4-600N* | 3 | Three: 600kcmil-2 | 1/2 | 9/16 | 3-1/4 | 5-1/2 | 5/8 | 3-1/2 | 1-3/4 | 3/8 | 1-1/2 | 1-49/64 | 1/2 |
| T3A4-800N* | 3 | Three: 800kcmil-350kcmil | 1/2 | 9/16 | 3-5/8 | 5-31/32 | 5/8 | 4-1/8 | 1-3/4 | 1/2 | 1-13/16 | 2-21/64 | 1/2 |
| T3A4-1000N* | 3 | Three: 1000kcmil-500kcmil | 1/2 | 9/16 | 3-5/8 | 5-31/32 | 5/8 | 4-7/8 | 1-3/4 | 1/2 | 1-13/16 | 2-21/64 | 1/2 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

DE-OX Inhibitor is recommended for all aluminum terminations.

Tested to UL 486A/B, UL File E6207

* Mounting hole spacing from side to side, hole to hole is .875

TYPE T4A4

Features

- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- Chamfered wire entry
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Must be mounted with a minimum of 4 bolts
- Rated to 90° C

Benefits

- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Provides ease of installation
- Application versatility

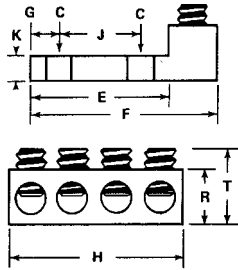


Fig. 1



Fig. 2



Fig. 3



Fig. 4

| Catalog Number | Figure Number | Wire Range | Bolt Size | Dimensions | | | | | | | | | | Hex Size |
|----------------|---------------|--------------------|-----------|------------|-------|---------|-----|---------|-------|------|---------|---------|------|----------|
| | | | | C | E | F | G | H | J | K | R | T | | |
| T4A4-250N* | 1 | 250kcmil-6 | 1/2 | 9/16 | 3 | 4 | 5/8 | 3-49/64 | 1-3/4 | 5/16 | 1-3/16 | 1-17/32 | 5/16 | |
| T4A4-350N* | 1 | 350kcmil-6 | 1/2 | 9/16 | 3 | 4-5/16 | 5/8 | 4-1/64 | 1-3/4 | 5/16 | 1-3/8 | 1-17/32 | 5/16 | |
| T4A4-600N* | 3 | 600kcmil-2 | 1/2 | 9/16 | 3-1/4 | 5-1/2 | 5/8 | 5 | 1-3/4 | 3/8 | 1-1/2 | 1-7/8 | 1/2 | |
| T4A4-800N* | 2 | 800kcmil-300kcmil | 1/2 | 9/16 | 3-5/8 | 5-31/32 | 5/8 | 6 | 1-3/4 | 1/2 | 1-13/16 | 2-13/64 | 1/2 | |
| T4A4-1000N* | 4 | 1000kcmil-350kcmil | 1/2 | 9/16 | 3-5/8 | 5-31/32 | 5/8 | 6-1/2 | 1-3/4 | 1/2 | 1-13/16 | 2-13/64 | 1/2 | |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

DE-OX Inhibitor is recommended for all aluminum terminations.

Tested to UL 486A/B, UL File E6207

* Mounting hole spacing from side to side, hole to hole is .875

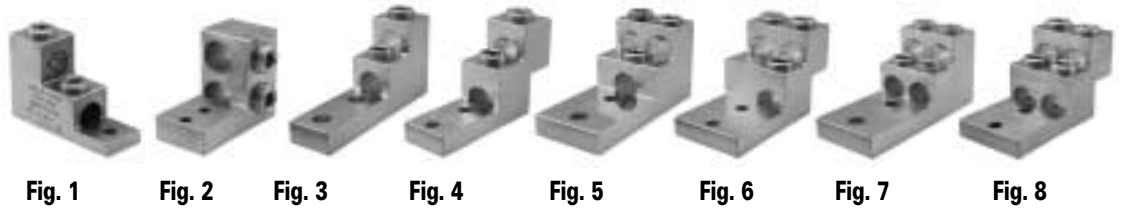
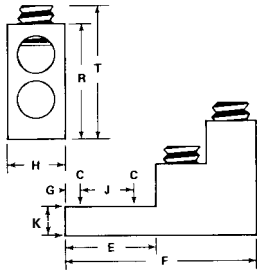
TYPE PB

Features

- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- Chamfered wire entry
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Stacked design
- Rated to 90° C

Benefits

- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Provides ease of installation
- Application versatility
- Saves space and reduces installation time



C

| Catalog Number | Figure Number | Wire Range | Bolt Size | Dimensions | | | | | | | | | Hex Size |
|----------------|---------------|--------------|-----------|------------|---------|---------|-------|---------|-------|------|-------|---------|----------|
| | | | | C | E | F | G | H | J | K | R | T | |
| PB2-300 | 1 | 300kcmil-6 | 5/16 | 21/64 | 1 | 3 | 15/32 | 1 | - | 5/16 | 2 | 2-5/16 | 5/16 |
| PB2-500 | 2 | 500kcmil-4/0 | 1/4 | 9/32 | 1-11/16 | 2-29/32 | 1/4 | 1-7/16 | 11/16 | 5/8 | 2-3/8 | 1-27/64 | 3/8 |
| PB2-600 | 4 | 600kcmil-2 | 3/8 | 13/32 | 2-11/32 | 4-29/32 | 3/8 | 1-1/2 | 1-3/8 | 5/8 | 3 | 3-29/64 | 1/2 |
| PB3-600 | 6 | 600kcmil-2 | 3/8 | 13/32 | 2-11/32 | 4-29/32 | 3/8 | 2-15/32 | 1-3/8 | 5/8 | 3 | 3-29/64 | 1/2 |
| PB4-600 | 8 | 600kcmil-2 | 3/8 | 13/32 | 2-11/32 | 4-29/32 | 3/8 | 2-15/32 | 1-3/8 | 5/8 | 3 | 3-29/64 | 1/2 |
| PB2-750 | 4 | 750kcmil-1/0 | 3/8 | 13/32 | 2-11/32 | 4-29/32 | 3/8 | 1-11/16 | 1-3/8 | 5/8 | 3 | 3-29/64 | 1/2 |
| PB4-750 | 8 | 750kcmil-1/0 | 3/8 | 13/32 | 2-11/32 | 4-29/32 | 3/8 | 2-5/8 | 1-3/8 | 5/8 | 3 | 3-29/64 | 1/2 |
| PB3-600-2N | 5 | 600kcmil-2 | 1/2 | 9/16 | 3-1/8 | 5-11/16 | 3/8 | 2-15/32 | 1-3/4 | 3/4 | 3 | 3-29/64 | 1/2 |
| PB2-600-2N | 3 | 600kcmil-2 | 1/2 | 9/16 | 3-1/8 | 5-11/16 | 3/8 | 1-1/2 | 1-3/4 | 3/4 | 3 | 3-29/64 | 1/2 |
| PB2-750-2N | 3 | 750kcmil-1/0 | 1/2 | 9/16 | 3-1/8 | 5-11/16 | 3/8 | 1-11/16 | 1-3/4 | 3/4 | 3 | 3-29/64 | 1/2 |
| PB4-600-2N | 7 | 600kcmil-2 | 1/2 | 9/16 | 3-1/8 | 5-11/16 | 3/8 | 2-15/32 | 1-3/4 | 3/4 | 3 | 3-29/64 | 1/2 |
| PB4-750-2N | 7 | 750kcmil-1/0 | 1/2 | 9/16 | 3-1/8 | 5-11/16 | 3/8 | 3-1/16 | 1-3/4 | 3/4 | 3 | 3-29/64 | 1/2 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

DE-OX Inhibitor is recommended for all aluminum terminations.

Tested to UL 486A/B, UL File E6207

TYPE PBHD

Features

- Heavy duty design
- Manufactured from high strength aluminum alloy
- Electro-tin plated
- Suitable for use in circuits rated 35KV or less; proper high voltage spacing and insulation techniques must be used
- Stacked design
- AL9CU, rated to 90° C

Benefits

- Provides greater resistance to pull out
- Suitable for use with copper or aluminum conductors
- Provides low contact resistance
- Application versatility
- Saves space and reduces installation time

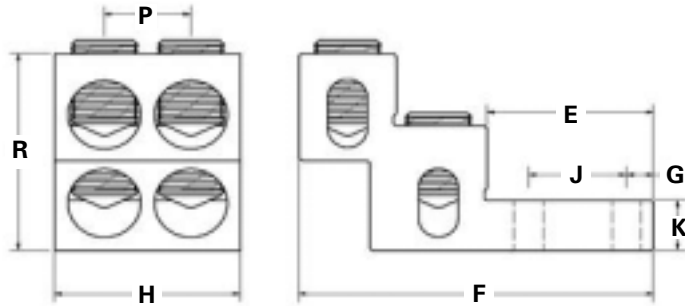


Fig. 1

Fig. 2

Fig. 3

| Catalog Number | Figure Number | No. of Ports | Wire Range | Bolt Size | Dimensions - in. (mm) | | | | | | | | Hex Size |
|----------------|---------------|--------------|------------|-----------|-----------------------|--------------|--------------|---------------|--------------|-------------|--------------|--------------|----------|
| | | | | | H | R | P | F | J | G | K | E | |
| PBHD2-750 | 1 | 2 | 750kcmil-2 | 3/8 | 1.400 (35.6) | 2.960 (75.2) | N/A | 5.005 (127.1) | 1.380 (35.1) | 0.380 (9.7) | 0.750 (19.1) | 2.350 (59.7) | 1/2 |
| PBHD4-750 | 2 | 4 | 750kcmil-2 | 3/8 | 2.620 (66.5) | 2.960 (75.2) | 1.220 (31.0) | 5.005 (127.1) | 1.380 (35.1) | 0.380 (9.7) | 0.750 (19.1) | 2.350 (59.7) | 1/2 |
| PBHD6-750* | 3 | 6 | 750kcmil-2 | 3/8 | 3.840 (97.5) | 2.960 (75.2) | 1.220 (31.0) | 5.005 (127.1) | 1.380 (35.1) | 0.380 (9.7) | 0.750 (19.1) | 2.350 (59.7) | 1/2 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

DE-OX® oxide inhibitor recommended for all aluminum terminations

Tested to UL486A/B, UL File E6207

* UL Recognized

TYPE PBMW

Features

- Multi-Wire hole
- Manufactured from high strength aluminum alloy
- Electro-tin plated
- Stacked design
- Suitable for use in circuits rated 35KV or less; proper high voltage spacing and insulation techniques must be used
- AL9CU, rated to 90° C

Benefits

- Can terminate two wires per port, parallel wires must be identical
- Suitable for use with copper or aluminum conductors
- Provides low contact resistance
- Saves spaces and reduces installation time
- Application versatility



Fig. 1



Fig. 2



Fig. 3

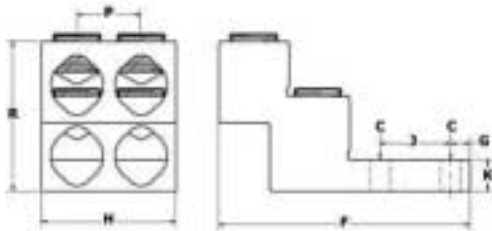


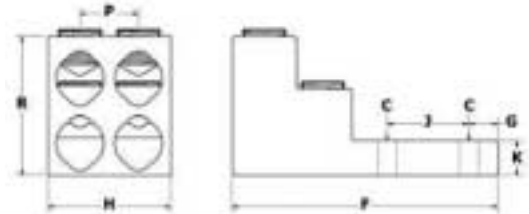
Fig. 4



Fig. 5



Fig. 6



C

| Catalog Number | Figure Number | Wire Range | Number of Ports | Bolt Size | Dimensions - in. (mm) | | | | | | | | | Hex Size |
|----------------|---------------|---------------------------------------|-----------------|-----------|-----------------------|--------------|--------------|---------------|--------------|--------------|--------------|--------------|-----|----------|
| | | | | | H | R | P | F | J | G | K | C | | |
| PBMW-2-750-38 | 1 | One: 750kcmil-2 *Two: 4/0-1/0 | 2 | 3/8 | 1.310 (33.3) | 2.960 (75.2) | N/A | 4.910 (124.7) | 1.380 (35.1) | 0.380 (9.7) | 0.625 (15.9) | 0.406 (10.3) | 1/2 | |
| PBMW-4-750-38 | 2 | One: 750kcmil-2 *Two: 4/0-1/0 | 4 | 3/8 | 2.620 (66.5) | 2.960 (75.2) | 1.250 (31.8) | 4.910 (124.7) | 1.380 (35.1) | 0.380 (9.7) | 0.625 (15.9) | 0.406 (10.3) | 1/2 | |
| PBMW-6-750-38 | 3 | One: 750kcmil-2 *Two: 4/0-1/0 | 6 | 3/8 | 3.930 (99.8) | 2.960 (75.2) | 1.265 (32.1) | 4.910 (124.7) | 1.380 (35.1) | 0.380 (9.7) | 0.625 (15.9) | 0.406 (10.3) | 1/2 | |
| PBMW-2-750-12 | 4 | One: 750kcmil-2 *Two: 250kcmil-1/0 | 2 | 1/2 | 1.310 (33.3) | 3.000 (76.2) | N/A | 5.687 (144.4) | 1.750 (44.5) | 0.625 (15.9) | 0.750 (19.1) | 0.562 (14.3) | 1/2 | |
| PBMW-4-750-12 | 5 | One: 750kcmil-2 *Two: 250kcmil-1/0 | 4 | 1/2 | 2.620 (66.5) | 3.000 (76.2) | 1.250 (31.8) | 5.687 (144.4) | 1.750 (44.5) | 0.625 (15.9) | 0.750 (19.1) | 0.562 (14.3) | 1/2 | |
| PBMW-6-750-12 | 6 | One: 750kcmil-2 *Two: 250kcmil-1/0 | 6 | 1/2 | 3.930 (99.8) | 3.000 (76.2) | 1.265 (32.1) | 5.687 (144.4) | 1.750 (44.5) | 0.625 (15.9) | 0.750 (19.1) | 0.562 (14.3) | 1/2 | |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

DE-OX® oxide inhibitor recommended for all aluminum terminations

Tested to UL486A/B, UL File E6207

* Parallel wires must be identical

TYPE TLK

Features

- Connectors manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- Chamfered wire entry
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Kit includes all required hardware
- Rated to 90° C

Benefits

- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Provides ease of installation
- Application versatility



C

| Catalog Number | XFMR KVA Size | Lugs in Kit | Bolts in Kit |
|----------------|--------------------------------------|---------------------------------------|---|
| TLK-1 | 15-37 1/2 1-Phase, 15-45 3-Phase | Eight TA-2, Four TA-250 | Eight 1/4-20 x 3/4 Bolts, Eight 1/4-20 Flange Nuts |
| TLK-2 | 50-75 1-Phase, 75-112-1/2 3-Phase | Twelve TA-250 | Eight 1/4-20 x 3/4 Bolts, Eight 1/4-20 x 1-3/4 Bolts and Sixteen 1/4-20 Flange Nuts |
| TLK-3 | 100-167 1-Phase, 150-300 3-Phase | Three TA-250 and Twenty-two TA-600 | Three 1/4-20 x 3/4 Bolts, Three 1/4-20 nuts, Sixteen 3/8-16-2 Bolts, Sixteen 3/8-16 Flange Nuts, Sixteen 3/8 flat washer |
| TLK-4 | 500 3-Phase | Twenty-nine TA-600 | Eighteen 3/8-16 x 2 Bolts and Eighteen 3/8-16 Flange Nuts |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Dimensional data for connectors see Type TA.

DE-OX Inhibitor is recommended for all aluminum terminations.

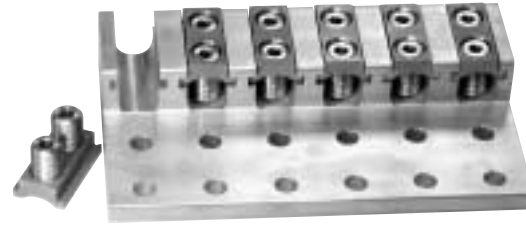
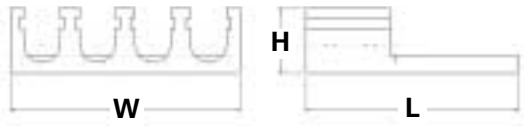
TYPE USGL

Features

- Compact, lay-in design
- Manufactured from high strength 6061-T6 aluminum for strength and conductivity
- High strength aluminum 5/16" drive torque screw
- Clear plated coating
- Designed for installation on standard NEMA mounting holes
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- 1-3/4" NEMA spacing on mounting holes
- Rated to 90° C

Benefits

- Solves the problem of trying to bend larger size cables into place
- Dual rated for aluminum or copper conductors
- Enables range taking
- Provides low contact resistance
- Conforms to industry standards
- Application versatility
- Industry standard



| Catalog Number | Number of Mtg. Holes | Number of Ports | Wire Range | Mounting Bolt Size | Dimensions | | | Hex Size |
|----------------|----------------------|-----------------|----------------|--------------------|------------|--------|--------|----------|
| | | | | | Width | Length | Height | |
| USGL-350R21 | 2 | 1 | 350 kcmil-6 | 1/2 | 1.50 | 4.69 | 1.56 | 5/16 |
| USGL-350R42 | 4 | 2 | 350 kcmil-6 | 1/2 | 2.75 | 4.69 | 1.56 | 5/16 |
| USGL-350R43 | 4 | 3 | 350 kcmil-6 | 1/2 | 4.00 | 4.69 | 1.56 | 5/16 |
| USGL-350R64 | 6 | 4 | 350 kcmil-6 | 1/2 | 5.25 | 4.69 | 1.56 | 5/16 |
| USGL-350R86 | 8 | 6 | 350 kcmil-6 | 1/2 | 7.75 | 4.69 | 1.56 | 5/16 |
| USGL-350R128 | 12 | 8 | 350 kcmil-6 | 1/2 | 10.25 | 4.69 | 1.56 | 5/16 |
| USGL-600R21 | 2 | 1 | 600 kcmil-2 | 1/2 | 1.68 | 5.35 | 1.69 | 5/16 |
| USGL-600R42 | 4 | 2 | 600 kcmil-2 | 1/2 | 3.08 | 5.35 | 1.69 | 5/16 |
| USGL-600R63 | 6 | 3 | 600 kcmil-2 | 1/2 | 4.81 | 5.35 | 1.69 | 5/16 |
| USGL-600R84 | 8 | 4 | 600 kcmil-2 | 1/2 | 6.45 | 5.35 | 1.69 | 5/16 |
| USGL-600R106 | 10 | 6 | 600 kcmil-2 | 1/2 | 8.69 | 5.35 | 1.69 | 5/16 |
| USGL-600R148 | 14 | 8 | 600 kcmil-2 | 1/2 | 11.70 | 5.35 | 1.69 | 5/16 |
| USGL-750R21 | 2 | 1 | 750 kcmil-1/0 | 1/2 | 1.76 | 5.97 | 1.81 | 5/16 |
| USGL-750R42 | 4 | 2 | 750 kcmil-1/0 | 1/2 | 3.31 | 5.97 | 1.81 | 5/16 |
| USGL-750R63 | 6 | 3 | 750 kcmil-1/0 | 1/2 | 4.88 | 5.97 | 1.81 | 5/16 |
| USGL-750R84 | 8 | 4 | 750 kcmil-1/0 | 1/2 | 6.45 | 5.97 | 1.81 | 5/16 |
| USGL-750R126 | 12 | 6 | 750 kcmil-1/0 | 1/2 | 9.95 | 5.97 | 1.81 | 5/16 |
| USGL-750R148 | 14 | 8 | 750 kcmil-1/0 | 1/2 | 12.30 | 5.97 | 1.81 | 5/16 |
| USGL-1000R21 | 2 | 1 | 1000 kcmil-1/0 | 1/2 | 2.00 | 6.19 | 1.88 | 5/16 |
| USGL-1000R22 | 2 | 2 | 1000 kcmil-1/0 | 1/2 | 3.68 | 6.19 | 1.88 | 5/16 |
| USGL-1000R42 | 4 | 2 | 1000 kcmil-1/0 | 1/2 | 3.68 | 6.19 | 1.88 | 5/16 |
| USGL-1000R63 | 6 | 3 | 1000 kcmil-1/0 | 1/2 | 5.37 | 6.19 | 1.88 | 5/16 |
| USGL-1000R84 | 8 | 4 | 1000 kcmil-1/0 | 1/2 | 7.06 | 6.19 | 1.88 | 5/16 |
| USGL-1000R126 | 12 | 6 | 1000 kcmil-1/0 | 1/2 | 10.44 | 6.19 | 1.88 | 5/16 |
| USGL-1000R168 | 16 | 8 | 1000 kcmil-1/0 | 1/2 | 13.81 | 6.19 | 1.88 | 5/16 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Add T for tin plated, P for Pre-filled with De-Ox

TYPE SPA

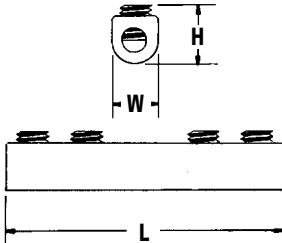
Features

- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- Chamfered wire entry
- Rounded bottoms
- Large screw diameters
- Wire stop in center
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90° C

Benefits

- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Provides ease of installation
- Facilitates taping
- Ensures all wire strands are held securely
- Prevents dissimilar metals coming into contact
- Application versatility

C



| Catalog Number | Wire Range | Dimensions | | | Number of Screws | Screw Diameter | Hex Size |
|----------------|--------------------|------------|-------|-------|------------------|----------------|----------|
| | | L | W | H | | | |
| SPA-2 | 2-14 | 1-3/16 | 29/64 | 9/16 | 2 | 3/8 | Slot |
| SPA-0 | 1/0-14 | 1-29/32 | 5/8 | 11/16 | 2 | 7/16 | 3/16 |
| SPA-250 | 250kcmil-6 | 2-5/16 | 7/8 | 1 | 2 | 5/8 | 5/16 |
| SPA-350 | 350kcmil-10 | 2-15/32 | 1 | 1-1/4 | 2 | 11/16 | 5/16 |
| SPA-500 | 500kcmil-4 | 3-7/8 | 1-1/8 | 1-5/8 | 2 | 13/16 | 3/8 |
| SPA-750 | 750kcmil-250kcmil | 5-7/16 | 1-3/8 | 1-3/4 | 4 | 15/16 | 1/2 |
| SPA-1000 | 1000kcmil-500kcmil | 8-11/16 | 1-3/4 | 1-3/4 | 6 | 1-1/8 | 9/16 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Inhibitor is recommended for all aluminum terminations.
Tested to UL 486A/B, UL File E6207

TYPE CA

Features

- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- UL Recognized for 75° C and CSA Certified
- Design includes bossed mounting holes
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used

Benefits

- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Acts as an anti-rotation device and prevents connector from turning
- Application versatility

Fig. 1 & 2 Bottom View

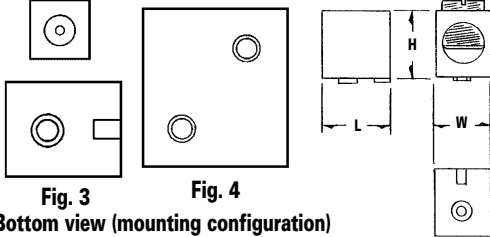


Fig. 1



Fig. 2



Fig. 3



Fig. 4

Fig. 3
Bottom view (mounting configuration)

| Catalog Number | Figure Number | Wire Range | Dimensions | | | Style and Size of Boss | Flat Bottom | Bossed Hole Tapped | Two Mounting Holes Tapped | Hex Size |
|----------------|---------------|------------------------|------------|---------|---------|------------------------|-------------|--------------------|---------------------------|----------|
| | | | L | W | H | | | | | |
| CA4SP | 1 | 2-14 CU 2-12 AL | 15/32 | 1/2 | 23/32 | Sq. .229 | - | 10-32 | - | Slot |
| CA4RP | 1 | 2-14 CU 2-12 AL | 15/32 | 1/2 | 23/32 | Rd. .229 | - | 10-32 | - | Slot |
| CA5SP | 2 | 1/0-14 CU 1/0-12 AL | 5/8 | 9/16 | 11/16 | Sq. .229 | - | 10-32 | - | Slot |
| CA5RP | 2 | 1/0-14 CU 1/0-12 AL | 5/8 | 9/16 | 11/16 | Rd. .229 | - | 10-32 | - | Slot |
| CA6RP | 3 | 250kcmil-6 | 1 | 13/16 | 1 | Rd. .285 | - | 1/4-20 | - | 5/16 |
| CA7 | 4 | 500kcmil-1/0 | 1-3/8 | 1-15/64 | 1-13/32 | - | YES | - | 1/4-20 | 3/8 |
| CA8 | 4 | 750kcmil-500kcmil | 1-15/16 | 1-3/8 | 1-3/4 | - | YES | - | 5/16-18 | 1/2 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Oxide Inhibitor is recommended for all aluminum terminations.
Tested to UL 486A/B, UL File E6207

C

TYPE GTA

Features

- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- UL Listed and CSA Certified for 600 volts, 90° C
- Compact design
- Range taking
- Re-usable
- Lay-in main conductor
- Insulating cover available

Benefits

- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Ensures reliability for copper or aluminum conductors
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- No need to break the feeder cable
- Eliminates taping

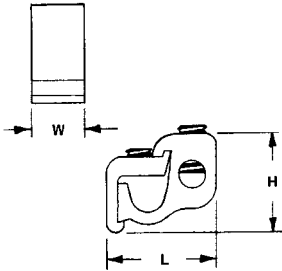


Fig. 1



Fig. 2



| Catalog Number | Figure Number | Wire Range | | Dimensions | | | Hex Size | |
|----------------|---------------|--------------------|---------------------|------------|---------|---------|----------|------|
| | | Main | Tap | L | W | H | Main | Tap |
| GTA-2-2 | 1 | 2-12 str | 2-12 AL 2-14 CU | 1-1/4 | 9/16 | 1 | Slot | Slot |
| GTA-0-0 | 1 | 1/0-2 | 1/0-12 AL 1/0-14 CU | 1-9/16 | 3/4 | 1-1/8 | Slot | Slot |
| GTA-250-0 | 1 | 250kcmil-1/0 | 1/0-12 AL 1/0-14 CU | 2 | 15/16 | 1-7/16 | 5/16 | Slot |
| GTA-250-250 | 1 | 250kcmil-1/0 | 250kcmil-6 | 2-1/8 | 15/16 | 1-7/16 | 5/16 | 5/16 |
| GTA-350-350 | 1 | 350kcmil-4/0 | 350kcmil-6 | 2-7/16 | 1 | 1-11/16 | 3/8 | 3/8 |
| GTA-500-500 | 1 | 500kcmil-350kcmil | 500kcmil-2 | 2-15/16 | 1-1/4 | 2 | 3/8 | 3/8 |
| GTA-750-500 | 1 | 750kcmil-500kcmil | 500kcmil-2 | 3-3/8 | 1-5/16 | 2-7/16 | 3/8 | 3/8 |
| GTA-750-750 | 2 | 750kcmil-500kcmil | 750kcmil-1/0 | 3-3/8 | 2-5/8 | 2-7/16 | 1/2 | 1/2 |
| GTA-1000-500 | 1 | 1000kcmil-750kcmil | 500kcmil-2 | 3-3/8 | 1-15/16 | 2-7/16 | 1/2 | 3/8 |

Note: If ordering with cover, add suffix W/C to catalog number.

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Insulating covers are available for most connector sizes.

See page 179 for additional information on covers

DE-OX Inhibitor is recommended for all aluminum terminations.

Tested to UL 486A/B, UL File E6207

TYPE GTT

Features

- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- UL Listed and CSA Certified for 600, 90° C
- Compact design
- Range taking
- Re-usable
- Lay-in main conductor
- Insulating cover available

Benefits

- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Ensures reliability for copper or aluminum conductors
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- No need to break the feeder cable
- Eliminates taping

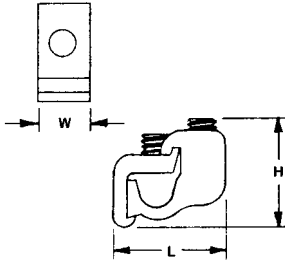


Fig. 1



Fig. 2



| Catalog Number | Figure Number | Wire Range | | Dimensions | | | Hex Size | |
|----------------|---------------|-------------------|---------------------|------------|-------|---------|----------|--------|
| | | Main | Tap | L | W | H | Main | Tap |
| GTT-2-2 | 1 | 2-12 str | 2-12 AL 2-14 CU | 1-1/4 | 9/16 | 1 | Slot | Slot |
| GTT-0-0 | 1 | 1/0-2 | 1/0-12 AL 1/0-14 CU | 1-9/16 | 3/4 | 1-1/8 | Slot | Slot |
| GTT-250-0 | 1 | 250kcmil-1/0 | 1/0-12 AL 1/0-14 CU | 2 | 7/8 | 1-7/16 | 5/16 | Slot |
| GTT-250-250 | 1 | 250kcmil-1/0 | 250kcmil-6 | 2-1/8 | 7/8 | 1-7/16 | 5/16 | 5/16 |
| GTT-350-350 | 1 | 350kcmil-4/0 | 350kcmil-6 | 2-7/16 | 1 | 1-11/16 | 3/8 | 3/8 |
| GTT-500-500 | 1 | 500kcmil-350kcmil | 500kcmil-2 | 2-15/16 | 1-1/4 | 2 | 3/8 | 3/8 |
| GTT-750-500 | 1 | 750kcmil-500kcmil | 500kcmil-2 | 3-3/8 | 1-1/4 | 2-7/16 | 3/8 | 3/8 |
| GTT-750-750 | 2 | 750kcmil-500kcmil | 750kcmil-600kcmil | 3-3/8 | 2-3/8 | 2-7/16 | 1/2 | EH 3/4 |

Note: If ordering with cover, add suffix W/C to catalog number.

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

EH-External Hex

Insulating covers are available for most connector sizes.

See page 179 for additional information on covers

DE-OX Inhibitor is recommended for all aluminum terminations.

Tested to UL 486A/B, UL File E6207

TYPE GTC

Features

- Snap closure
- Color coded
- UL Listed and CSA Certified for 600 volts, 90° C except for GTPC-750-750 and GTTC-750-750

Benefits

- Installs quickly and saves labor time by eliminating taping
- Provides ease of identification in the field
- Ensures reliability



Fig. 1



Fig. 2



Fig. 3

| Catalog Number | Figure Number | Color | Dimensions | | | Used with Connector |
|----------------|---------------|-------|------------|---------|---------|--|
| | | | L | W | H | |
| GTC-2 | 1 | Black | 2-1/4 | 1-13/16 | 1-1/4 | GTA-2-2: GTT-2-2 |
| GTC-0 | 1 | Black | 2-1/2 | 2-3/32 | 1-3/8 | GTA-0-0: GTT-0-0 |
| GTC-250-350 | 1 | Black | 3-61/64 | 3-1/32 | 2 | GTA-250-0: GTA-250-250 GTA-350-350 GTT-250-0: GTT-250-250 GTT-350-350 |
| GTC-500 | 1 | Black | 4-1/8 | 3-1/16 | 2-31/32 | GTA-500-500 GTT-500-500 |
| GTC-750-500 | 1 | Black | 4-7/8 | 3-1/8 | 2-23/32 | GTA-750-500 GTT-750-500 |
| GTPC-750-750* | 2 | Black | 4-7/8 | 4 | 2-7/8 | GTA-750-750 |
| GTTC-750-750* | 3 | Black | 5-3/4 | 4-1/4 | 3-1/16 | GTT-750-750 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* Not UL Listed or CSA Certified

Tested to UL 486A/B, UL File E6207

Multiple Tap Connector Dual Rated - Lay-In

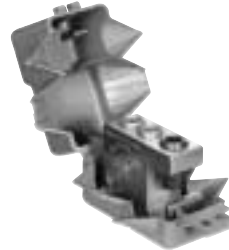
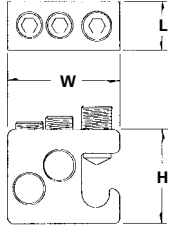
TYPE GT2

Features

- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- UL Listed for 600 volts, 90° C
- Compact design
- Range taking
- Re-usable
- Lay-in main conductor
- Supplied with cover

Benefits

- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Ensures reliability for copper or aluminum conductors
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- No need to break the feeder cable
- Eliminates taping



C

| Catalog Number | Wire Range Main & Tap | No. of Taps | Dimensions | | | Hex Size |
|----------------|-----------------------|-------------|------------|--------|---------|----------|
| | | | L | W | H | |
| GT2-250-W/C | 250kcmil-2 | 2 | 31/32 | 2-9/32 | 1-15/16 | 5/16 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Inhibitor is recommended for all aluminum terminations.
Tested to UL 486A/B, UL File E6207

TYPE GT4T

Features

- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- UL Listed and CSA Certified for 600 volts, 90° C
- Compact design
- Range taking
- Re-usable
- Lay-in main conductor
- Insulating cover available

Benefits

- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Ensures reliability for copper or aluminum conductors
- Can make up to four taps off a single main which saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- No need to break the feeder cable
- Eliminates taping

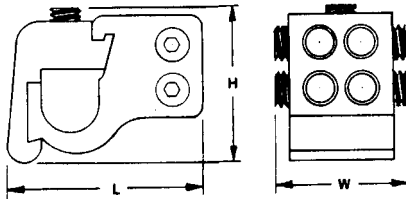


Fig. 1

Fig. 2

| Catalog Number | Figure Number | Wire Range | | No. of Taps | Dimensions | | | Hex Size | |
|----------------|---------------|-------------------|----------------------|-------------|------------|-------|---------|----------|------|
| | | Main | Tap | | L | W | H | Main | Tap |
| GT4T-250-2-1* | 1 | 250kcmil-1/0 | 2-12 AL, 2-14 CU | 4 | 2-3/16 | 1-1/8 | 1-35/64 | 5/16 | Slot |
| GT4T-250-2-2* | 2 | 250kcmil-1/0 | 2-12 AL, 2-14 CU | 4 | 2-3/16 | 1-1/8 | 1-35/64 | 5/16 | Slot |
| GT4T-350-2-1† | 1 | 350kcmil-4/0 | 2-12 AL, 2-14 CU | 4 | 2-17/32 | 1-1/8 | 1-17/32 | 3/8 | Slot |
| GT4T-350-2-2* | 2 | 350kcmil-4/0 | 2-12 AL, 2-14 CU | 4 | 2-17/32 | 1-1/8 | 1-17/32 | 3/8 | Slot |
| GT4T-500-2-1† | 1 | 500kcmil-350kcmil | 2-12 AL, 2-14 CU | 4 | 2-31/32 | 1-1/4 | 1-11/16 | 3/8 | Slot |
| GT4T-500-2-2† | 2 | 500kcmil-350kcmil | 2-12 AL, 2-14 CU | 4 | 2-31/32 | 1-1/4 | 1-11/16 | 3/8 | Slot |
| GT4T-500-0-1† | 1 | 500kcmil-350kcmil | 1/0-12 AL, 1/0-14 CU | 4 | 2-31/32 | 1-1/4 | 1-11/16 | 3/8 | Slot |
| GT4T-500-0-2† | 2 | 500kcmil-350kcmil | 1/0-12 AL, 1/0-14 CU | 4 | 2-31/32 | 1-1/4 | 1-11/16 | 3/8 | Slot |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* GTC-250-350 Cover can be used. See page 179.

† GTC-500 Cover can be used. See page 179.

DE-OX Inhibitor is recommended for all aluminum terminations.

Tested to UL 486A/B, UL File E6207

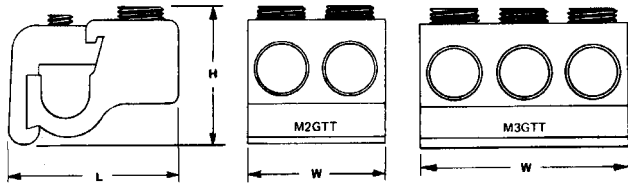
TYPE MGTT

Features

- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- Dual-Rated
- Compact design
- Range taking
- Re-usable
- Lay-in main conductor

Benefits

- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Can be used with copper and/or aluminum conductors
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- No need to break the feeder cable



C

| Catalog Number | Wire Range | | No. of Tap Openings | Dimensions | | | Hex Size | |
|----------------|-------------------|------------|---------------------|------------|-------|---------|----------|------|
| | Main | Tap | | L | W | H | Main | Tap |
| M2GTT-250-250 | 250kcmil-1/0 | 250kcmil-6 | 2 | 2 | 1-3/4 | 1-5/8 | 5/16 | 5/16 |
| M2GTT-350-350 | 350kcmil-4/0 | 350kcmil-6 | 2 | 2-1/4 | 2 | 1-11/16 | 5/16 | 5/16 |
| M3GTT-350-350 | 350kcmil-4/0 | 350kcmil-6 | 3 | 2-1/4 | 3 | 1-11/16 | 5/16 | 5/16 |
| M2GTT-500-500 | 500kcmil-350kcmil | 500kcmil-2 | 2 | 2-3/4 | 2-3/8 | 1-13/16 | 3/8 | 3/8 |
| M3GTT-500-500 | 500kcmil-350kcmil | 500kcmil-2 | 3 | 2-3/4 | 3-1/2 | 1-13/16 | 3/8 | 3/8 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Inhibitor is recommended for all aluminum terminations.

TYPE PTA

Features

- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- UL Listed and CSA Certified for 600 volts, 90° C
- Compact design
- Range taking
- Re-usable
- Lay-in main conductors
- Supplied with insulating cover

Benefits

- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Ensures reliability for copper or aluminum conductors
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- No need to break the feeder cables
- Eliminates taping



Fig. 1



Fig. 2



Fig. 3



| Catalog Number Connector | Figure Number | Main Wire Range | Bottom Tap Wire Range | Dimensions | | | Hex Size | |
|-----------------------------|------------------|-------------------------|--------------------------|------------|--------|--------|----------|-----------------|
| | | | | H | W | D | Main | Tap |
| PTA2-500-500-W/C | 1 | Two: 500kcmil-250kcmil | Two: 500kcmil-4 | 3-15/16 | 3-1/2 | 1-1/4 | 3/8 | 3/8 |
| PTA2-750-500-W/C | 1 | Two: 750kcmil-350kcmil | Two: 500kcmil-4 | 3-5/8 | 4-3/32 | 1-5/16 | 3/8 | 3/8 |
| PTA4-750-500-W/C | 2 | Four: 750kcmil-350kcmil | Two: 500kcmil-4 | 5-7/8 | 4-3/32 | 1-5/16 | 3/8 | 3/8 |
| PTA26-500-4/0*+ | 3 | Two: 500kcmil-4/0 | Four: 4/0-6 Two: 2-14 | 3-15/16 | 3-1/2 | 1-1/4 | 3/8 | 5/16 Slotted |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Note: W/C indicates product is supplied with insulating cover.

* Not CSA Certified.

+ Cover must be ordered separately. For non UL cover, order 1 each RO614W00A and RO615W00A.

DE-OX Inhibitor is recommended for all aluminum terminations.

Tested to UL 486A/B, UL File E6207

TYPE PDH

Features

- Manufactured from high strength aluminum
- UL 1059 Recognized 90° C 600 Volts and CSA Certified
- Electro-tin plated
- High Short Circuit Rating 100K RMS SYM Amps
- For use with building code or flexible conductor

Benefits

- Suitable for use with either copper or aluminum conductors
- Ensures reliability
- Provides low contact resistance
- Added protection

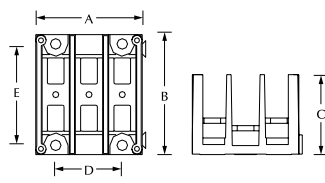


Fig. 1

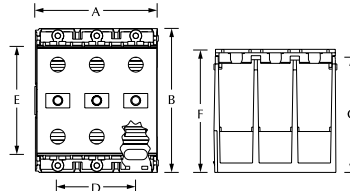


Fig. 2

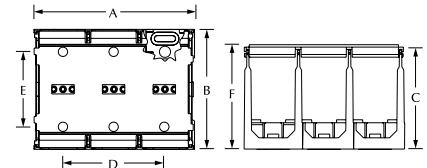


Fig. 3

C

| Catalog Number | Fig. No. | Amps | High SCCR Conditions | | | | | | | | | | SCCR RMS SYM Amps | Volts Max | Dimensions (in.) | | | | | | Cover ID |
|----------------|----------|------|-----------------------|-----------------------|------------------------------|-----------------------|--|-----|-----|-----|----|----|-------------------|-----------|------------------|------|------|------|------|-----------|----------|
| | | | Rated Conductor Range | | Suitable Conductors Per Pole | | Overcurrent Protection Fuse Required Class/Max Amp Rating† | | | | | | | | A | B | C | D | E | F w/cover | |
| | | | Line | Load | Line | Load | J | T | RK1 | RK5 | G | CC | | | | | | | | | |
| PDHN-11-2-1* | 1 | 115 | (1) 2-14 | (1) 2-14 | (1) 2-6 | (1) 2-6 | 200 | 200 | 200 | 100 | 60 | 30 | 200,000 | 600 | 0.83 | 2.29 | 1.53 | - | 1.93 | 1.60 | CVR-2-1 |
| PDHN-11-2-2* | 1 | 115 | (1) 2-14 | (1) 2-14 | (1) 2-6 | (1) 2-6 | 200 | 200 | 200 | 100 | 60 | 30 | 200,000 | 600 | 1.46 | 2.29 | 1.53 | - | 1.93 | 1.60 | CVR-2-1 |
| PDHN-11-2-3* | 1 | 115 | (1) 2-14 | (1) 2-14 | (1) 2-6 | (1) 2-6 | 200 | 200 | 200 | 100 | 60 | 30 | 200,000 | 600 | 2.10 | 2.29 | 1.53 | 1.27 | 1.93 | 1.60 | CVR-2-1 |
| PDHN-11-2-4* | 1 | 115 | (1) 2-14 | (1) 2-14 | (1) 2-6 | (1) 2-6 | 200 | 200 | 200 | 100 | 60 | 30 | 200,000 | 600 | 2.75 | 2.29 | 1.53 | 1.92 | 1.93 | 1.60 | CVR-2-1 |
| PDHN-14-2-1* | 1 | 115 | (1) 2-14 | (4) 10-18 | (1) 2-6 | (4) 10-14 | 200 | 200 | 200 | 100 | 60 | 30 | 200,000 | 600 | 0.83 | 2.29 | 1.53 | - | 1.93 | 1.60 | CVR-2-1 |
| PDHN-14-2-2* | 1 | 115 | (1) 2-14 | (4) 10-18 | (1) 2-6 | (4) 10-14 | 200 | 200 | 200 | 100 | 60 | 30 | 200,000 | 600 | 1.46 | 2.29 | 1.53 | - | 1.93 | 1.60 | CVR-2-1 |
| PDHN-14-2-3* | 1 | 115 | (1) 2-14 | (4) 10-18 | (1) 2-6 | (4) 10-14 | 200 | 200 | 200 | 100 | 60 | 30 | 200,000 | 600 | 2.10 | 2.29 | 1.53 | 1.27 | 1.93 | 1.60 | CVR-2-1 |
| PDHN-14-2-4* | 1 | 115 | (1) 2-14 | (4) 10-18 | (1) 2-6 | (4) 10-14 | 200 | 200 | 200 | 100 | 60 | 30 | 200,000 | 600 | 2.75 | 2.29 | 1.53 | 1.92 | 1.93 | 1.60 | CVR-2-1 |
| PDH-11-2/0-1 | 2 | 175 | (1) 2/0-14 | (1) 2/0-14 | (1) 2/0-6 | (1) 2/0-6 | 200 | 200 | 200 | 100 | 60 | 30 | 100,000 | 600 | 1.00 | 3.00 | 2.42 | - | 2.25 | 2.57 | - |
| PDH-11-2/0-2 | 2 | 175 | (1) 2/0-14 | (1) 2/0-14 | (1) 2/0-6 | (1) 2/0-6 | 200 | 200 | 200 | 100 | 60 | 30 | 100,000 | 600 | 1.82 | 3.00 | 2.42 | 0.81 | 2.25 | 2.57 | - |
| PDH-11-2/0-3 | 2 | 175 | (1) 2/0-14 | (1) 2/0-14 | (1) 2/0-6 | (1) 2/0-6 | 200 | 200 | 200 | 100 | 60 | 30 | 100,000 | 600 | 2.55 | 3.00 | 2.42 | 1.63 | 2.25 | 2.57 | - |
| PDH-11-2/0-A‡ | 2 | 175 | (1) 2/0-14 | (1) 2/0-14 | (1) 2/0-6 | (1) 2/0-6 | 200 | 200 | 200 | 100 | 60 | 30 | 100,000 | 600 | 0.89 | 3.00 | 2.42 | - | 2.25 | - | NA |
| PDH-14-2/0-1 | 2 | 175 | (1) 2/0-14 | (4) 4-14 | (1) 2/0-6 | (4) 4-14 | 200 | 200 | 200 | 100 | 60 | 30 | 100,000 | 600 | 1.00 | 3.00 | 2.42 | - | 2.25 | 2.57 | - |
| PDH-14-2/0-2 | 2 | 175 | (1) 2/0-14 | (4) 4-14 | (1) 2/0-6 | (4) 4-14 | 200 | 200 | 200 | 100 | 60 | 30 | 100,000 | 600 | 1.82 | 3.00 | 2.42 | 0.81 | 2.25 | 2.57 | - |
| PDH-14-2/0-3 | 2 | 175 | (1) 2/0-14 | (4) 4-14 | (1) 2/0-6 | (4) 4-14 | 200 | 200 | 200 | 100 | 60 | 30 | 100,000 | 600 | 2.55 | 3.00 | 2.42 | 1.63 | 2.25 | 2.57 | - |
| PDH-14-2/0-A‡ | 2 | 175 | (1) 2/0-14 | (4) 4-14 | (1) 2/0-6 | (4) 4-14 | 200 | 200 | 200 | 100 | 60 | 30 | 100,000 | 600 | 0.89 | 3.00 | 2.42 | - | 2.25 | - | NA |
| PDH-12-350-1 | 3 | 310 | (1) 350-6 | (2) 2/0-14 | (1) 350-3/0 | (1) 2/0-1 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 1.96 | 4.00 | 3.49 | - | 3.38 | 3.49 | - |
| PDH-12-350-2 | 3 | 310 | (1) 350-6 | (2) 2/0-14 | (1) 350-3/0 | (1) 2/0-1 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 3.66 | 4.00 | 3.49 | 1.70 | 3.38 | 3.49 | - |
| PDH-12-350-3 | 3 | 310 | (1) 350-6 | (2) 2/0-14 | (1) 350-3/0 | (1) 2/0-1 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 5.36 | 4.00 | 3.49 | 3.40 | 3.38 | 3.49 | - |
| PDH-14-400-1 | 3 | 335 | (1) 400-6 | (4) 2-14 | (1) 400-3/0 | (4) 2-8 | 400 | 400 | 400 | 100 | 60 | 30 | 100,000 | 600 | 1.96 | 4.00 | 3.49 | - | 3.38 | 3.49 | - |
| PDH-14-400-2 | 3 | 335 | (1) 400-6 | (4) 2-14 | (1) 400-3/0 | (4) 2-8 | 400 | 400 | 400 | 100 | 60 | 30 | 100,000 | 600 | 3.66 | 4.00 | 3.49 | 1.70 | 3.38 | 3.49 | - |
| PDH-14-400-3 | 3 | 335 | (1) 400-6 | (4) 2-14 | (1) 400-3/0 | (4) 2-8 | 400 | 400 | 400 | 100 | 60 | 30 | 100,000 | 600 | 5.36 | 4.00 | 3.49 | 3.40 | 3.38 | 3.49 | - |
| PDH-26-2/0-1 | 3 | 350 | (2) 2/0-14 | (6) 4-14 | (2) 2/0-2 | (6) 4-8 | 400 | 400 | 400 | 100 | 60 | 30 | 100,000 | 600 | 1.96 | 4.00 | 3.49 | - | 3.38 | 3.49 | - |
| PDH-26-2/0-2 | 3 | 350 | (2) 2/0-14 | (6) 4-14 | (2) 2/0-2 | (6) 4-8 | 400 | 400 | 400 | 100 | 60 | 30 | 100,000 | 600 | 3.66 | 4.00 | 3.49 | 1.70 | 3.38 | 3.49 | - |
| PDH-26-2/0-3 | 3 | 350 | (2) 2/0-14 | (6) 4-14 | (2) 2/0-2 | (6) 4-8 | 400 | 400 | 400 | 100 | 60 | 30 | 100,000 | 600 | 5.36 | 4.00 | 3.49 | 3.40 | 3.38 | 3.49 | - |
| PDH-14A-500-1 | 3 | 380 | (1) 500-4 | (3) 2-14 (1) 350-6 | (1) 500-4 | (3) 2-14 (1) 350-6 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 1.96 | 4.00 | 3.49 | - | 3.38 | 3.49 | - |
| PDH-14A-500-2 | 3 | 380 | (1) 500-4 | (3) 2-14 (1) 350-6 | (1) 500-4 | (3) 2-14 (1) 350-6 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 3.66 | 4.00 | 3.49 | 1.70 | 3.38 | 3.49 | - |
| PDH-14A-500-3 | 3 | 380 | (1) 500-4 | (3) 2-14 (1) 350-6 | (1) 500-4 | (3) 2-14 (1) 350-6 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 5.36 | 4.00 | 3.49 | 3.40 | 3.38 | 3.49 | - |
| PDH-11-600-1 | 3 | 420 | (1) 600-2 | (1) 600-2 | (1) 600-2 | (1) 600-2 | 400 | 400 | 400 | 200 | 60 | 30 | 100,000 | 600 | 1.96 | 4.00 | 3.49 | - | 3.38 | 3.49 | - |
| PDH-11-600-2 | 3 | 420 | (1) 600-2 | (1) 600-2 | (1) 600-2 | (1) 600-2 | 400 | 400 | 400 | 200 | 60 | 30 | 100,000 | 600 | 3.66 | 4.00 | 3.49 | 1.70 | 3.38 | 3.49 | - |
| PDH-11-600-3 | 3 | 420 | (1) 600-2 | (1) 600-2 | (1) 600-2 | (1) 600-2 | 400 | 400 | 400 | 200 | 60 | 30 | 100,000 | 600 | 5.36 | 4.00 | 3.49 | 3.40 | 3.38 | 3.49 | - |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* Cover not standard, available as an option. ‡ Adder Block, cover not available.

† For further details on conductors, fuse ratings, and additional SCCR ratings please refer to product data sheets.

Power Distribution Block

High Short-Circuit Current Rating

TYPE PDH

Features

- Manufactured from high strength aluminum
- UL 1059 Recognized 90° C 600 Volts and CSA Certified
- Electro-tin plated
- High Short Circuit Rating 100K RMS SYM Amps
- For use with building code or flexible conductor

Benefits

- Suitable for use with either copper or aluminum conductors
- Ensures reliability
- Provides low contact resistance
- Added protection

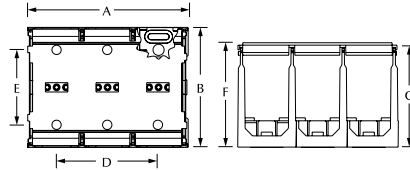


Fig. 3

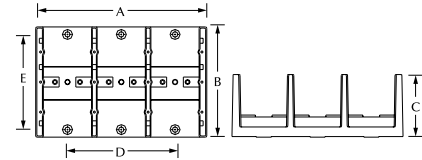


Fig. 4

C

| Catalog Number | Fig. No. | Amps | Rated Conductor Range | | High SCCR Conditions | | | | | | | | SCCR RMS SYM Amps | Volts Max | Dimensions (in.) | | | | | | Cover ID |
|----------------|----------|------|-----------------------|------------------------|------------------------------|-------------|--|-----|-----|-----|----|----|-------------------|-----------|------------------|------|------|------|------|-----------|----------|
| | | | | | Suitable Conductors Per Pole | | Overcurrent Protection Fuse Required Class/Max Amp Rating† | | | | | | | | A | B | C | D | E | F w/cover | |
| | | | | | Line | Load | J | T | RK1 | RK5 | G | CC | | | | | | | | | |
| PDH-18-600-1 | 3 | 420 | (1) 600-2 | (8) 2-14 | (1) 600-3/0 | (8) 2-8 | 400 | 400 | 400 | 200 | 60 | 30 | 100,000 | 600 | 1.96 | 4.00 | 3.49 | - | 3.38 | 3.49 | - |
| PDH-18-600-2 | 3 | 420 | (1) 600-2 | (8) 2-14 | (1) 600-3/0 | (8) 2-8 | 400 | 400 | 400 | 200 | 60 | 30 | 100,000 | 600 | 3.66 | 4.00 | 3.49 | 1.70 | 3.38 | 3.49 | - |
| PDH-18-600-3 | 3 | 420 | (1) 600-2 | (8) 2-14 | (1) 600-3/0 | (8) 2-8 | 400 | 400 | 400 | 200 | 60 | 30 | 100,000 | 600 | 5.36 | 4.00 | 3.49 | 3.40 | 3.38 | 3.49 | - |
| PDH-112-600-1 | 3 | 420 | (1) 600-2 | (12) 4-14 | (1) 600-3/0 | (12) 4-8 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 1.96 | 4.00 | 3.49 | - | 3.38 | 3.49 | - |
| PDH-112-600-2 | 3 | 420 | (1) 600-2 | (12) 4-14 | (1) 600-3/0 | (12) 4-8 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 3.66 | 4.00 | 3.49 | 1.70 | 3.38 | 3.49 | - |
| PDH-112-600-3 | 3 | 420 | (1) 600-2 | (12) 4-14 | (1) 600-3/0 | (12) 4-8 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 5.36 | 4.00 | 3.49 | 3.40 | 3.38 | 3.49 | - |
| PDH-19A-600-1 | 3 | 420 | (1) 600-2 | (6) 2-14 (3) 1/0-14 | (1) 600-3/0 | (9) 1/0-8 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 1.96 | 4.00 | 3.49 | - | 3.38 | 3.49 | - |
| PDH-19A-600-2 | 3 | 420 | (1) 600-2 | (6) 2-14 (3) 1/0-14 | (1) 600-3/0 | (9) 1/0-8 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 3.66 | 4.00 | 3.49 | 1.70 | 3.38 | 3.49 | - |
| PDH-19A-600-3 | 3 | 420 | (1) 600-2 | (6) 2-14 (3) 1/0-14 | (1) 600-3/0 | (9) 1/0-8 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 5.36 | 4.00 | 3.49 | 3.40 | 3.38 | 3.49 | - |
| PDH-22-250-1 | 3 | 510 | (2) 250-1/0 | (2) 250-1/0 | (2) 250-1/0 | (2) 250-1/0 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 1.96 | 4.00 | 3.49 | - | 3.38 | 3.49 | - |
| PDH-22-250-2 | 3 | 510 | (2) 250-1/0 | (2) 250-1/0 | (2) 250-1/0 | (2) 250-1/0 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 3.66 | 4.00 | 3.49 | 1.70 | 3.38 | 3.49 | - |
| PDH-22-250-3 | 3 | 510 | (2) 250-1/0 | (2) 250-1/0 | (2) 250-1/0 | (2) 250-1/0 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 5.36 | 4.00 | 3.49 | 3.40 | 3.38 | 3.49 | - |
| PDH-28-250-1 | 3 | 510 | (2) 250-1/0 | (8) 2-14 | (2) 250-1/0 | (8) 2-14 | 600 | 600 | 600 | 200 | 60 | 30 | 100,000 | 600 | 1.96 | 4.00 | 3.49 | - | 3.38 | 3.49 | - |
| PDH-28-250-2 | 3 | 510 | (2) 250-1/0 | (8) 2-14 | (2) 250-1/0 | (8) 2-14 | 600 | 600 | 600 | 200 | 60 | 30 | 100,000 | 600 | 3.66 | 4.00 | 3.49 | 1.70 | 3.38 | 3.49 | - |
| PDH-28-250-3 | 3 | 510 | (2) 250-1/0 | (8) 2-14 | (2) 250-1/0 | (8) 2-14 | 600 | 600 | 600 | 200 | 60 | 30 | 100,000 | 600 | 5.36 | 4.00 | 3.49 | 3.40 | 3.38 | 3.49 | - |
| PDH-212-250-1 | 3 | 510 | (2) 250-1/0 | (12) 4-14 | (2) 250-1/0 | (12) 4-14 | 600 | 600 | 600 | 200 | 60 | 30 | 100,000 | 600 | 1.96 | 4.00 | 3.49 | - | 3.38 | 3.49 | - |
| PDH-212-250-2 | 3 | 510 | (2) 250-1/0 | (12) 4-14 | (2) 250-1/0 | (12) 4-14 | 600 | 600 | 600 | 200 | 60 | 30 | 100,000 | 600 | 3.66 | 4.00 | 3.49 | 1.70 | 3.38 | 3.49 | - |
| PDH-212-250-3 | 3 | 510 | (2) 250-1/0 | (12) 4-14 | (2) 250-1/0 | (12) 4-14 | 600 | 600 | 600 | 200 | 60 | 30 | 100,000 | 600 | 5.36 | 4.00 | 3.49 | 3.40 | 3.38 | 3.49 | - |
| PDH-22-350-1* | 4 | 620 | (2) 350-4 | (2) 350-4 | (2) 350-4 | (2) 350-4 | 450 | 450 | 400 | 200 | 60 | 30 | 100,000 | 600 | 3.17 | 5.50 | 3.12 | - | 4.75 | 3.18 | C-6-1 |
| PDH-22-350-2* | 4 | 620 | (2) 350-4 | (2) 350-4 | (2) 350-4 | (2) 350-4 | 450 | 450 | 400 | 200 | 60 | 30 | 100,000 | 600 | 5.85 | 5.50 | 3.12 | 2.69 | 4.75 | 3.18 | C-6-2 |
| PDH-22-350-3* | 4 | 620 | (2) 350-4 | (2) 350-4 | (2) 350-4 | (2) 350-4 | 450 | 450 | 400 | 200 | 60 | 30 | 100,000 | 600 | 8.54 | 5.50 | 3.12 | 5.38 | 4.75 | 3.18 | C-6-3 |
| PDH-22-500-1* | 4 | 760 | (2) 500-4 | (2) 500-4 | (2) 500-4 | (2) 500-4 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 3.17 | 5.50 | 3.12 | - | 4.75 | 3.18 | C-6-1 |
| PDH-22-500-2* | 4 | 760 | (2) 500-4 | (2) 500-4 | (2) 500-4 | (2) 500-4 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 5.85 | 5.50 | 3.12 | 2.69 | 4.75 | 3.18 | C-6-2 |
| PDH-22-500-3* | 4 | 760 | (2) 500-4 | (2) 500-4 | (2) 500-4 | (2) 500-4 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 8.54 | 5.50 | 3.12 | 5.38 | 4.75 | 3.18 | C-6-3 |
| PDH-28-500-1* | 4 | 760 | (2) 500-6 | (8) 2/0-14 | (2) 500-250 | (8) 2/0-14 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 3.17 | 5.50 | 3.12 | - | 4.75 | 3.18 | C-6-1 |
| PDH-28-500-2* | 4 | 760 | (2) 500-6 | (8) 2/0-14 | (2) 500-250 | (8) 2/0-14 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 5.85 | 5.50 | 3.12 | 2.69 | 4.75 | 3.18 | C-6-2 |
| PDH-28-500-3* | 4 | 760 | (2) 500-6 | (8) 2/0-14 | (2) 500-250 | (8) 2/0-14 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 8.54 | 5.50 | 3.12 | 5.38 | 4.75 | 3.18 | C-6-3 |
| PDH-212-500-1* | 4 | 760 | (2) 500-6 | (12) 4-14 | (2) 500-250 | (12) 4-8 | 400 | 400 | 400 | 200 | 60 | 30 | 100,000 | 600 | 3.17 | 5.50 | 3.12 | - | 4.75 | 3.18 | C-6-1 |
| PDH-212-500-2* | 4 | 760 | (2) 500-6 | (12) 4-14 | (2) 500-250 | (12) 4-8 | 400 | 400 | 400 | 200 | 60 | 30 | 100,000 | 600 | 5.85 | 5.50 | 3.12 | 2.69 | 4.75 | 3.18 | C-6-2 |
| PDH-212-500-3* | 4 | 760 | (2) 500-6 | (12) 4-14 | (2) 500-250 | (12) 4-8 | 400 | 400 | 400 | 200 | 60 | 30 | 100,000 | 600 | 8.54 | 5.50 | 3.12 | 5.38 | 4.75 | 3.18 | C-6-3 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* Cover not standard, available as an option.

† For further details on conductors, fuse ratings, and additional SCCR ratings please refer to product data sheets.

Power Distribution Block

High Short-Circuit Current Rating

TYPE PDE

Features

- Manufactured from high strength aluminum
- UL Listed 75° C and CSA Certified, 600 volts
- Electro-tin plated
- High Short Circuit Rating 100K RMS SYM Amps
- Enclosed block provides IP-20 touch protection
- For use with building code or flexible conductor

Benefits

- Suitable for use with either copper or aluminum conductors
- Ensures reliability
- Provides low contact resistance
- Added protection



| Catalog Number | Amps (CU Wire) | Rated Conductor Range | | High SCCR Conditions | | | | | | | | SCCR RMS SYM Amps | Volts Max | Dimensions (in.) | | | | |
|----------------|----------------|-------------------------|------------|------------------------------|-------------|---|-----|-----|-----|----|----|-------------------|-----------|------------------|------|------|------|------|
| | | | | Suitable Conductors Per Pole | | Overcurrent Protection Fuse Required Class/Max Amp Rating | | | | | | | | A | B | C | D | E |
| | | | | Line | Load | J | T | RK1 | RK5 | G | CC | | | | | | | |
| PDE-11-3/0* | 200 | (1) 3/0-14 | (1) 3/0-14 | (1) 3/0-8 | (1) 3/0-8 | 225 | 225 | 200 | 60 | 60 | 30 | 100,000 | 600 | 1.20 | 3.61 | 2.71 | .56 | 3.00 |
| PDE-11-3/0-CU* | 200 | (1) 3/0-14 | (1) 3/0-14 | (1) 3/0-8 | (1) 3/0-8 | 225 | 225 | 200 | 60 | 60 | 30 | 100,000 | 600 | 1.20 | 3.61 | 2.71 | .56 | 3.00 |
| PDE-14-3/0* | 200 | (1) 3/0-14 | (4) 2-14 | (1) 3/0-8 | (4) 2-14 | 225 | 225 | 200 | 60 | 60 | 30 | 100,000 | 600 | 1.20 | 3.61 | 2.71 | .56 | 3.00 |
| PDE-14-3/0-CU* | 200 | (1) 3/0-14 | (4) 2-14 | (1) 3/0-8 | (4) 2-14 | 225 | 225 | 200 | 60 | 60 | 30 | 100,000 | 600 | 1.20 | 3.61 | 2.71 | .56 | 3.00 |
| PDE-18-400‡ | 335 | (1) 400-6 (1) 2/0-14 | (8) 2-16 | (1) 400-3/0 | (8) 2-8 | 400 | 400 | 400 | 200 | 60 | 30 | 100,000 | 600 | 2.27 | 4.39 | 3.14 | 1.11 | 3.75 |
| PDE-18-400-CU‡ | 335 | (1) 400-6 (1) 2/0-14 | (8) 2-16 | (1) 400-3/0 | (8) 2-8 | 400 | 400 | 400 | 200 | 60 | 30 | 100,000 | 600 | 2.27 | 4.39 | 3.14 | 1.11 | 3.75 |
| PDE-22-250‡ | 510 | (2) 250-6 | (2) 250-6 | (2) 250-1/0 | (2) 250-1/0 | 400 | 400 | 400 | 200 | 60 | 30 | 100,000 | 600 | 2.27 | 4.39 | 3.14 | 1.11 | 3.75 |
| PDE-22-250-CU‡ | 510 | (2) 250-6 | (2) 250-6 | (2) 250-1/0 | (2) 250-1/0 | 400 | 400 | 400 | 200 | 60 | 30 | 100,000 | 600 | 2.27 | 4.39 | 3.14 | 1.11 | 3.75 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

All PDE blocks are single pole and snap together for 2 and 3 pole configurations

† For further details on conductors, fuse ratings, and additional SCCR ratings please refer to product data sheets

‡ UL Recognized

* Din Rail mountable

-CU designates copper conductor only

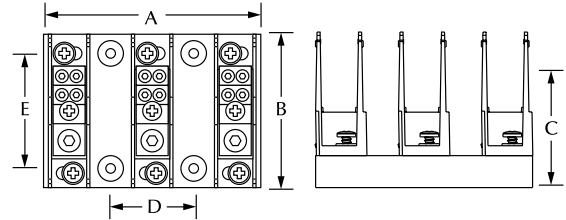
TYPE PDL

Features

- Manufactured from high strength aluminum
- UL Listed 75° C and CSA Certified, 600 volts
- Electro-tin plated
- High Short Circuit Rating 100K RMS SYM Amps

Benefits

- Suitable for use with either copper or aluminum conductors
- Ensures reliability
- Provides low contact resistance
- Added protection



C

| Catalog Number | Amps (CU Wire) | Rated Conductor Range | | High SCCR Conditions | | | | | | | | SCCR RMS SYM Amps | Volts Max | Dimensions (in.) | | | | |
|----------------|----------------|-----------------------|------------------------|------------------------------|-----------|---|------|-----|-----|-----|-----|-------------------|-----------|------------------|------|------|------|------|
| | | | | Suitable Conductors Per Pole | | Overcurrent Protection Fuse Required Class/Max Amp Rating | | | | | | | | A | B | C | D | E |
| | | | | Line | Load | Line | Load | J | T | RK1 | RK5 | | | | | | | |
| PDL-11-2/0-3 | 175 | (1) 2/0-14 | (1) 2/0-14 | (1) 2/0-6 | (1) 2/0-6 | 200 | 200 | 200 | 100 | 60 | 30 | 100,000 | 600 | 4.25 | 3.00 | 3.05 | 1.63 | 2.25 |
| PDL-14-2/0-3 | 175 | (1) 2/0-14 | (4) 4-14 | (1) 2/0-6 | (4) 4-14 | 200 | 200 | 200 | 100 | 60 | 30 | 100,000 | 600 | 4.25 | 3.00 | 3.05 | 1.63 | 2.25 |
| PDL-16-2/0-3 | 175 | (1) 2/0-14 | (6) 4-14 | (1) 2/0-6 | (6) 4-14 | 200 | 200 | 200 | 100 | 60 | 30 | 100,000 | 600 | 4.25 | 3.00 | 3.05 | 1.63 | 2.25 |
| PDL-16-400-3 | 335 | (1) 400-6 | (6) 2-14 | (1) 400-3/0 | (6) 2-8 | 400 | 400 | 400 | 100 | 60 | 30 | 100,000 | 600 | 6.00 | 5.50 | 3.96 | 3.25 | 4.75 |
| PDL-112-600-3 | 335 | (1) 600-2 | (12) 4-14 | (1) 600-3/0 | (12) 4-8 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 6.00 | 5.50 | 3.96 | 3.25 | 4.75 |
| PDL-19A-600-3 | 335 | (1) 600-2 | (3) 1/0-14 (6) 2-14 | (1) 600-3/0 | (9) 1/0-8 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 6.00 | 5.50 | 3.96 | 3.25 | 4.75 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

PDL Distribution Blocks are also UL listed with high SCCR ratings with certain Circuit Breaker Combinations - consult factory.

† For further details on conductors, fuse ratings, and additional SCCR ratings please refer to product data sheets.

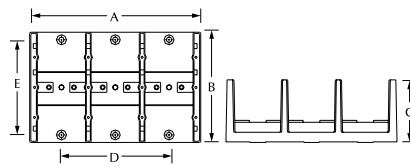
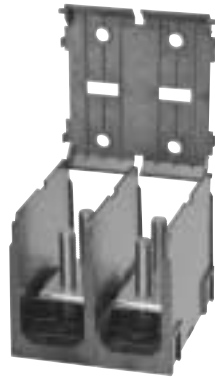
TYPE PDS

Features

- Connector, copper, tin plated
- Stud, brass, tin plated
- Phenolic base and cover material
- UL Recognized 75° C and CSA Certified
- Insulator base adders available
- Din rail or panel mountable
- Rated for 600 volts

Benefits

- Rated for copper conductor
- Intended for wires terminated with crimp lugs
- Ensures reliability
- Easily snap together to create variable pole power blocks



| Catalog Number | Amps | Rated Conductor Range | | Stud Ctr to Ctr | Line In | Line Out | Dimensions | | | | | | Cover ID |
|----------------|------|-----------------------|---------------------|-----------------|---------|----------|------------|------|------|------|------|-----------|----------|
| | | Line | Load | | | | A | B | C | D | E | F w/cover | |
| PDS-11-KE-1† | 230 | (1) 3/8-16 X 1-3/16 | (1) 1/4-20 x 1-3/16 | - | Stud | Stud | 1.94 | 4.00 | 2.61 | - | 3.38 | 3.38 | C-4-1 |
| PDS-11-KE-2† | 230 | (1) 3/8-16 X 1-3/16 | (1) 1/4-20 x 1-3/16 | - | Stud | Stud | 3.47 | 4.00 | 2.61 | 1.53 | 3.38 | 3.38 | C-4-2 |
| PDS-11-KE-3† | 230 | (1) 3/8-16 X 1-3/16 | (1) 1/4-20 x 1-3/16 | - | Stud | Stud | 5.00 | 4.00 | 2.61 | 3.06 | 3.38 | 3.38 | C-4-3 |
| PDS-11-PP-1 | 230 | (1) 3/8-16 x 1-7/16 | (1) 3/8-16 x 1-7/16 | - | Stud | Stud | 2.29 | 4.75 | 2.90 | - | 4.13 | 4.13 | C-5-1 |
| PDS-11-PP-2 | 230 | (1) 3/8-16 x 1-7/16 | (1) 3/8-16 x 1-7/16 | - | Stud | Stud | 4.17 | 4.75 | 2.90 | 1.88 | 4.13 | 4.13 | C-5-2 |
| PDS-11-PP-3 | 230 | (1) 3/8-16 x 1-7/16 | (1) 3/8-16 x 1-7/16 | - | Stud | Stud | 6.05 | 4.75 | 2.90 | 3.76 | 4.13 | 4.13 | C-5-3 |
| PDS-12-PC-1 | 260 | (1) 3/8-16 x 1-7/16 | (2) 1/4-20 x 9/16 | .750 | Stud | Stud | 2.29 | 4.75 | 2.90 | - | 4.13 | 4.13 | C-5-1 |
| PDS-12-PC-2 | 260 | (1) 3/8-16 x 1-7/16 | (2) 1/4-20 x 9/16 | .750 | Stud | Stud | 4.17 | 4.75 | 2.90 | 1.88 | 4.13 | 4.13 | C-5-2 |
| PDS-12-PC-3 | 260 | (1) 3/8-16 x 1-7/16 | (2) 1/4-20 x 9/16 | .750 | Stud | Stud | 6.05 | 4.75 | 2.90 | 3.76 | 4.13 | 4.13 | C-5-3 |
| PDS-12-PG-1 | 360 | (1) 3/8-16 x 1-7/16 | (2) 1/4-20 X 1-7/16 | 1.125 | Stud | Stud | 3.17 | 5.50 | 3.12 | - | 4.75 | 4.75 | C-6-1 |
| PDS-12-PG-2 | 360 | (1) 3/8-16 x 1-7/16 | (2) 1/4-20 X 1-7/16 | 1.125 | Stud | Stud | 5.85 | 5.50 | 3.12 | 2.69 | 4.75 | 4.75 | C-6-2 |
| PDS-12-PG-3 | 360 | (1) 3/8-16 x 1-7/16 | (2) 1/4-20 X 1-7/16 | 1.125 | Stud | Stud | 8.54 | 5.50 | 3.12 | 5.38 | 4.75 | 4.75 | C-6-3 |
| PDS-12-PP-1 | 360 | (1) 3/8-16 x 1-7/16 | (2) 3/8-16 x 1-7/16 | 1.125 | Stud | Stud | 3.17 | 5.50 | 3.12 | - | 4.75 | 4.75 | C-6-1 |
| PDS-12-PP-2 | 360 | (1) 3/8-16 x 1-7/16 | (2) 3/8-16 x 1-7/16 | 1.125 | Stud | Stud | 5.85 | 5.50 | 3.12 | 2.69 | 4.75 | 4.75 | C-6-2 |
| PDS-12-PP-3 | 360 | (1) 3/8-16 x 1-7/16 | (2) 3/8-16 x 1-7/16 | 1.125 | Stud | Stud | 8.54 | 5.50 | 3.12 | 5.38 | 4.75 | 4.75 | C-6-3 |
| PDS-11-RR-1 | 410 | (1) 1/2-13 x 1-7/16 | (1) 1/2-13 x 1-7/16 | - | Stud | Stud | 3.17 | 5.50 | 3.12 | - | 4.75 | 4.75 | C-6-1 |
| PDS-11-RR-2 | 410 | (1) 1/2-13 x 1-7/16 | (1) 1/2-13 x 1-7/16 | - | Stud | Stud | 5.85 | 5.50 | 3.12 | 2.69 | 4.75 | 4.75 | C-6-2 |
| PDS-11-RR-3 | 410 | (1) 1/2-13 x 1-7/16 | (1) 1/2-13 x 1-7/16 | - | Stud | Stud | 8.54 | 5.50 | 3.12 | 5.38 | 4.75 | 4.75 | C-6-3 |
| PDS-11-HH-1 | 840 | (1) 3/8-16 x 1 | (1) 3/8-16 x 1 | - | Stud | Stud | 2.29 | 4.75 | 2.90 | - | 4.13 | 4.13 | C-5-1 |
| PDS-11-HH-2 | 840 | (1) 3/8-16 x 1 | (1) 3/8-16 x 1 | - | Stud | Stud | 4.17 | 4.75 | 2.90 | 1.88 | 4.13 | 4.13 | C-5-2 |
| PDS-11-HH-3 | 840 | (1) 3/8-16 x 1 | (1) 3/8-16 x 1 | - | Stud | Stud | 6.05 | 4.75 | 2.90 | 3.76 | 4.13 | 4.13 | C-5-3 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG) For further details on conductor classes please refer to product data sheets

UL1059 terminal block standard file No. E84782 CSA certified CSA c22.2 No. 158, File number MC 249467 (wire classes B & C only)

† Connector aluminum, tin plated

TYPE PDS

Features

- Connector, copper, tin plated
- Stud, brass, tin plated
- Phenolic base and cover material
- UL Recognized 75° C and CSA Certified
- Insulator base adders available
- Din rail or panel mountable
- Rated for 600 volts

Benefits

- Rated for copper conductor
- Intended for wires terminated with crimp lugs
- Ensures reliability
- Easily snap together to create variable pole power blocks

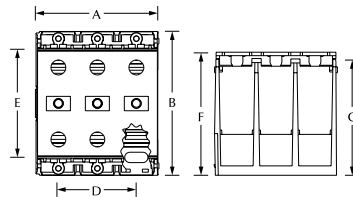
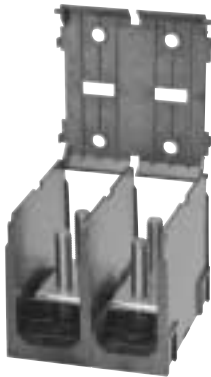


Fig. 1

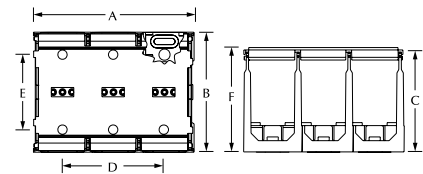


Fig. 2

| Catalog Number | Fig. No. | Amps | Rated Conductor Range | | Stud Ctr to Ctr | Line In | Line Out | Dimensions | | | | | | Cover ID |
|----------------|----------|------|-----------------------|---------------------|-----------------|---------|----------|------------|------|------|------|------|-----------|----------|
| | | | Line | Load | | | | A | B | C | D | E | F w/cover | |
| PDS-11-UU-A+ | 1 | 200 | (1) M6 x 15 | (1) M6 x 15 | - | Metric | Metric | 1.00 | 3.00 | 2.42 | - | 2.25 | - | NA |
| PDS-11-UU-1 | 1 | 200 | (1) M6 x 15 | (1) M6 x 15 | - | Metric | Metric | 1.00 | 3.00 | 2.42 | - | 2.25 | 2.57 | - |
| PDS-11-UU-2 | 1 | 200 | (1) M6 x 15 | (1) M6 x 15 | - | Metric | Metric | 1.82 | 3.00 | 2.42 | 0.81 | 2.25 | 2.57 | - |
| PDS-11-UU-3 | 1 | 200 | (1) M6 x 15 | (1) M6 x 15 | - | Metric | Metric | 2.55 | 3.00 | 2.42 | 1.62 | 2.25 | 2.57 | - |
| PDS-11-CC-A | 1 | 200 | (1) 1/4-20 x 9/16 | (1) 1/4-20 x 9/16 | - | Stud | Stud | 1.00 | 3.00 | 2.42 | - | 2.25 | - | NA |
| PDS-11-CC-1 | 1 | 200 | (1) 1/4-20 x 9/16 | (1) 1/4-20 x 9/16 | - | Stud | Stud | 1.00 | 3.00 | 2.42 | - | 2.25 | 2.57 | - |
| PDS-11-CC-2 | 1 | 200 | (1) 1/4-20 x 9/16 | (1) 1/4-20 x 9/16 | - | Stud | Stud | 1.82 | 3.00 | 2.42 | 0.81 | 2.25 | 2.57 | - |
| PDS-11-CC-3 | 1 | 200 | (1) 1/4-20 x 9/16 | (1) 1/4-20 x 9/16 | - | Stud | Stud | 2.55 | 3.00 | 2.42 | 1.62 | 2.25 | 2.57 | - |
| PDS-11-SS-1* | 2 | 310 | (1) M10 x 30 | (1) M10 x 30 | - | Metric | Metric | 1.96 | 4.00 | 3.33 | - | 3.38 | 3.49 | - |
| PDS-11-SS-2* | 2 | 310 | (1) M10 x 30 | (1) M10 x 30 | - | Metric | Metric | 3.66 | 4.00 | 3.33 | 1.70 | 3.38 | 3.49 | - |
| PDS-11-SS-3* | 2 | 310 | (1) M10 x 30 | (1) M10 x 30 | - | Metric | Metric | 5.36 | 4.00 | 3.33 | 3.40 | 3.38 | 3.49 | - |
| PDS-11-KK-1* | 2 | 310 | (1) 3/8-16 x 1-3/16 | (1) 3/8-16 x 1-3/16 | - | Stud | Stud | 1.96 | 4.00 | 3.33 | - | 3.38 | 3.49 | - |
| PDS-11-KK-2* | 2 | 310 | (1) 3/8-16 x 1-3/16 | (1) 3/8-16 x 1-3/16 | - | Stud | Stud | 3.66 | 4.00 | 3.33 | 1.70 | 3.38 | 3.49 | - |
| PDS-11-KK-3* | 2 | 310 | (1) 3/8-16 x 1-3/16 | (1) 3/8-16 x 1-3/16 | - | Stud | Stud | 5.36 | 4.00 | 3.33 | 3.40 | 3.38 | 3.49 | - |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

For further details on conductor classes please refer to product data sheets

UL1059 terminal block standard file No. E84782 CSA certified CSA c22.2 No. 158, File number MC 249467 (wire classes B & C only)

+ Cover not available for adder blocks

- Indicates that snap on cover is standard

* Panel mountable

TYPE PDM

Features

- Connector, high conductive aluminium, tin plated
- Brass, tin plated stud
- UL Recognized 75° C and CSA Certified
- Insulator base adders available
- Panel Mountable
- Rated for 600 volts

Benefits

- Rated for copper and aluminum conductor
- Intended for wires terminated with crimp lugs
- Ensures Reliability
- Easily snap together to create variable pole power blocks

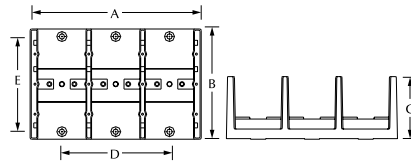
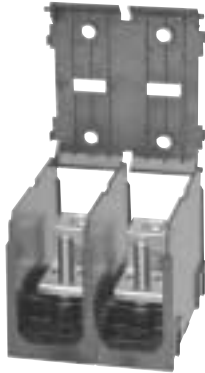


Fig. 1

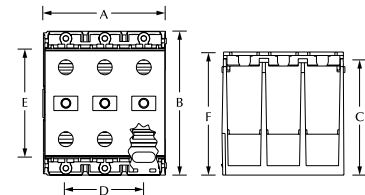


Fig. 2



| Catalog Number | Fig. No. | Amps | Rated Conductor Range | | Stud Ctr to Ctr | Line In | Line Out | MAX AIC | Dimensions | | | | | | Cover ID |
|----------------|----------|------|-----------------------|---------------------|-----------------|---------|----------|---------|------------|------|------|------|------|-----------|----------|
| | | | Line | Load | | | | | A | B | C | D | E | F w/cover | |
| PDM-11-2/0F-1 | 1 | 175 | (1) 2/0-#14 Awg | (1) 1/4-20 x 1-3/8 | - | Lug | Stud | - | 1.94 | 4.00 | 2.61 | - | 3.38 | 3.38 | C-4-1 |
| PDM-11-2/0F-2 | 1 | 175 | (1) 2/0-#14 Awg | (1) 1/4-20 x 1-3/8 | - | Lug | Stud | - | 3.47 | 4.00 | 2.61 | 1.53 | 3.38 | 3.38 | C-4-2 |
| PDM-11-2/0F-3 | 1 | 175 | (1) 2/0-#14 Awg | (1) 1/4-20 x 1-3/8 | - | Lug | Stud | - | 5.00 | 4.00 | 2.61 | 3.06 | 3.38 | 3.38 | C-4-3 |
| PDM-11-350J-1 | 1 | 310 | (1) 350 kcmil-#6 Awg | (1) 3/8-16 x 1-1/8 | - | Lug | Stud | 65KA | 1.94 | 4.00 | 2.61 | - | 3.38 | 3.38 | C-4-1 |
| PDM-11-350J-2 | 1 | 310 | (1) 350 kcmil-#6 Awg | (1) 3/8-16 x 1-1/8 | - | Lug | Stud | 65KA | 3.47 | 4.00 | 2.61 | 1.53 | 3.38 | 3.38 | C-4-2 |
| PDM-11-350J-3 | 1 | 310 | (1) 350 kcmil-#6 Awg | (1) 3/8-16 x 1-1/8 | - | Lug | Stud | 65KA | 5.00 | 4.00 | 2.61 | 3.06 | 3.38 | 3.38 | C-4-3 |
| PDM-12-500D-1 | 1 | 380 | (1) 500 kcmil-#4 Awg | (2) 1/4-20 x 1-1/16 | .750 | Lug | Stud | - | 2.29 | 4.75 | 2.90 | - | 4.13 | 4.13 | C-5-1 |
| PDM-12-500D-2 | 1 | 380 | (1) 500 kcmil-#4 Awg | (2) 1/4-20 x 1-1/16 | .750 | Lug | Stud | - | 4.17 | 4.75 | 2.90 | 1.88 | 4.13 | 4.13 | C-5-2 |
| PDM-12-500D-3 | 1 | 380 | (1) 500 kcmil-#4 Awg | (2) 1/4-20 x 1-1/16 | .750 | Lug | Stud | - | 6.05 | 4.75 | 2.90 | 3.76 | 4.13 | 4.13 | C-5-3 |
| PDM-11-500N-1 | 1 | 380 | (1) 500 kcmil-#4 Awg | (1) 3/8-16 x 1-5/16 | - | Lug | Stud | - | 2.29 | 4.75 | 2.90 | - | 4.13 | 4.13 | C-5-1 |
| PDM-11-500N-2 | 1 | 380 | (1) 500 kcmil-#4 Awg | (1) 3/8-16 x 1-5/16 | - | Lug | Stud | - | 4.17 | 4.75 | 2.90 | 1.88 | 4.13 | 4.13 | C-5-2 |
| PDM-11-500N-3 | 1 | 380 | (1) 500 kcmil-#4 Awg | (1) 3/8-16 x 1-5/16 | - | Lug | Stud | - | 6.05 | 4.75 | 2.90 | 3.76 | 4.13 | 4.13 | C-5-3 |
| PDM-21-500Q-1 | 1 | 760 | (2) 500 kcmil-#4 Awg | (1) 1/2-13 x 1-5/16 | - | Lug | Stud | - | 3.17 | 5.50 | 3.12 | - | 4.75 | 4.75 | C-6-1 |
| PDM-21-500Q-2 | 1 | 760 | (2) 500 kcmil-#4 Awg | (1) 1/2-13 x 1-5/16 | - | Lug | Stud | - | 5.85 | 5.50 | 3.12 | 2.69 | 4.75 | 4.75 | C-6-2 |
| PDM-21-500Q-3 | 1 | 760 | (2) 500 kcmil-#4 Awg | (1) 1/2-13 x 1-5/16 | - | Lug | Stud | - | 8.54 | 5.50 | 3.12 | 5.38 | 4.75 | 4.75 | C-6-3 |
| PDM-22-500N-1 | 1 | 760 | (2) 500 kcmil-#4 Awg | (2) 3/8-16 x 1-5/16 | 1.160 | Lug | Stud | - | 3.17 | 5.50 | 3.12 | - | 4.75 | 4.75 | C-6-1 |
| PDM-22-500N-2 | 1 | 760 | (2) 500 kcmil-#4 Awg | (2) 3/8-16 x 1-5/16 | 1.160 | Lug | Stud | - | 5.85 | 5.50 | 3.12 | 2.69 | 4.75 | 4.75 | C-6-2 |
| PDM-22-500N-3 | 1 | 760 | (2) 500 kcmil-#4 Awg | (2) 3/8-16 x 1-5/16 | 1.160 | Lug | Stud | - | 8.54 | 5.50 | 3.12 | 5.38 | 4.75 | 4.75 | C-6-3 |
| PDMN-11-2A-1 | 2 | 115 | (1) #2-#14 Awg | (1) 10-32 x .60 | - | Lug | Stud | - | 0.83 | 2.29 | 1.53 | - | 2.07 | 2.07 | CVR-2-1 |
| PDMN-11-2A-2 | 2 | 115 | (1) #2-#14 Awg | (1) 10-32 x .60 | - | Lug | Stud | - | 1.46 | 2.29 | 1.53 | - | 2.07 | 2.07 | CVR-2-1 |
| PDMN-11-2A-3 | 2 | 115 | (1) #2-#14 Awg | (1) 10-32 x .60 | - | Lug | Stud | - | 2.10 | 2.29 | 1.53 | 1.27 | 2.07 | 2.07 | CVR-2-1 |
| PDMN-11-2A-4 | 2 | 115 | (1) #2-#14 Awg | (1) 10-32 x .60 | - | Lug | Stud | - | 2.75 | 2.29 | 1.53 | 1.93 | 2.07 | 2.07 | CVR-2-1 |
| PDM-11-2/0T-A* | 2 | 175 | (1) 2/0-#14 Awg | (1) M6 x 13 | - | Lug | Metric | - | 1.00 | 3.00 | 2.42 | - | 2.25 | - | NA |
| PDM-11-2/0T-1‡ | 2 | 175 | (1) 2/0-#14 Awg | (1) M6 x 13 | - | Lug | Metric | - | 1.00 | 3.00 | 2.42 | - | 2.25 | 2.57 | - |
| PDM-11-2/0T-2‡ | 2 | 175 | (1) 2/0-#14 Awg | (1) M6 x 13 | - | Lug | Metric | - | 1.82 | 3.00 | 2.42 | 0.81 | 2.25 | 2.57 | - |
| PDM-11-2/0T-3‡ | 2 | 175 | (1) 2/0-#14 Awg | (1) M6 x 13 | - | Lug | Metric | - | 2.55 | 3.00 | 2.42 | 1.63 | 2.25 | 2.57 | - |
| PDM-11-2/0B-A* | 2 | 175 | (1) 2/0-#14 Awg | (1) 1/4-20 x 1/2 | - | Lug | Stud | 100KA | 1.00 | 3.00 | 2.42 | - | 2.25 | - | NA |
| PDM-11-2/0B-1 | 2 | 175 | (1) 2/0-#14 Awg | (1) 1/4-20 x 1/2 | - | Lug | Stud | 100KA | 1.00 | 3.00 | 2.42 | - | 2.25 | 2.57 | - |
| PDM-11-2/0B-2 | 2 | 175 | (1) 2/0-#14 Awg | (1) 1/4-20 x 1/2 | - | Lug | Stud | 100KA | 1.82 | 3.00 | 2.42 | 0.81 | 2.25 | 2.57 | - |
| PDM-11-2/0B-3 | 2 | 175 | (1) 2/0-#14 Awg | (1) 1/4-20 x 1/2 | - | Lug | Stud | 100KA | 2.55 | 3.00 | 2.42 | 1.63 | 2.25 | 2.57 | - |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG) For further details on conductor classes please refer to product data sheets
UL1059 terminal block standard file No. E84782 CSA certified CSA c22.2 No. 158, File number MC 249467 (wire classes B & C only)

* Cover not available for adder blocks

- Indicates that snap on cover is standard ‡ Steel Stud

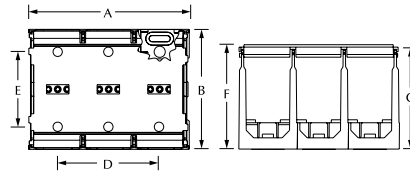
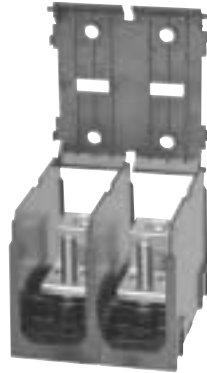
TYPE PDM

Features

- Connector, high conductive aluminium, tin plated
- Brass, tin plated stud
- UL Recognized 75° C and CSA Certified
- Insulator base adders available
- Panel Mountable
- Rated for 600 volts

Benefits

- Rated for copper and aluminum conductor
- Intended for wires terminated with crimp lugs
- Ensures Reliability
- Easily snap together to create variable pole power blocks



C

| Catalog Number | Amps | Rated Conductor Range | | Stud Ctr to Ctr | Line In | Line Out | MAX AIC | Dimensions | | | | | | Cover ID |
|----------------|------|-----------------------|--------------------|-----------------|---------|----------|---------|------------|------|------|------|------|-----------|----------|
| | | Line | Load | | | | | A | B | C | D | E | F w/cover | |
| PDM-11-350S-1 | 310 | (1) 350 kcmil-#6 Awg | (1) M10 x 30 | - | Lug | Metric | - | 1.96 | 4.00 | 3.33 | - | 3.38 | 3.49 | - |
| PDM-11-350S-2 | 310 | (1) 350 kcmil-#6 Awg | (1) M10 x 30 | - | Lug | Metric | - | 3.66 | 4.00 | 3.33 | 1.70 | 3.38 | 3.49 | - |
| PDM-11-350S-3 | 310 | (1) 350 kcmil-#6 Awg | (1) M10 x 30 | - | Lug | Metric | - | 5.36 | 4.00 | 3.33 | 3.40 | 3.38 | 3.49 | - |
| PDM-11-350M-1 | 310 | (1) 350 kcmil-#6 Awg | (1) 3/8-16 x 1-1/4 | - | Lug | Stud | 65KA | 1.96 | 4.00 | 3.33 | - | 3.38 | 3.49 | - |
| PDM-11-350M-2 | 310 | (1) 350 kcmil-#6 Awg | (1) 3/8-16 x 1-1/4 | - | Lug | Stud | 65KA | 3.66 | 4.00 | 3.33 | 1.70 | 3.38 | 3.49 | - |
| PDM-11-350M-3 | 310 | (1) 350 kcmil-#6 Awg | (1) 3/8-16 x 1-1/4 | - | Lug | Stud | 65KA | 5.36 | 4.00 | 3.33 | 3.40 | 3.38 | 3.49 | - |
| PDM-18-S2-1 | 510 | (1) M10 x 30 | (8) #2-#14 Awg | - | Metric | Lug | - | 1.96 | 4.00 | 3.33 | - | 3.38 | 3.49 | - |
| PDM-18-S2-2 | 510 | (1) M10 x 30 | (8) #2-#14 Awg | - | Metric | Lug | - | 3.66 | 4.00 | 3.33 | 1.70 | 3.38 | 3.49 | - |
| PDM-18-S2-3 | 510 | (1) M10 x 30 | (8) #2-#14 Awg | - | Metric | Lug | - | 5.36 | 4.00 | 3.33 | 3.40 | 3.38 | 3.49 | - |
| PDM-112-S4-1 | 510 | (1) M10 x 30 | (12) #4-#14 Awg | - | Metric | Lug | - | 1.96 | 4.00 | 3.33 | - | 3.38 | 3.49 | - |
| PDM-112-S4-2 | 510 | (1) M10 x 30 | (12) #4-#14 Awg | - | Metric | Lug | - | 3.66 | 4.00 | 3.33 | 1.70 | 3.38 | 3.49 | - |
| PDM-112-S4-3 | 510 | (1) M10 x 30 | (12) #4-#14 Awg | - | Metric | Lug | - | 5.36 | 4.00 | 3.33 | 3.40 | 3.38 | 3.49 | - |
| PDM-14-S2/0-1 | 510 | (1) M10 x 30 | (4) 2/0-#14 Awg | - | Metric | Lug | - | 1.96 | 4.00 | 3.33 | - | 3.38 | 3.49 | - |
| PDM-14-S2/0-2 | 510 | (1) M10 x 30 | (4) 2/0-#14 Awg | - | Metric | Lug | - | 3.66 | 4.00 | 3.33 | 1.70 | 3.38 | 3.49 | - |
| PDM-14-S2/0-3 | 510 | (1) M10 x 30 | (4) 2/0-#14 Awg | - | Metric | Lug | - | 5.36 | 4.00 | 3.33 | 3.40 | 3.38 | 3.49 | - |
| PDM-18-K2-1 | 510 | (1) 3/8-16 x 1-3/16 | (8) #2-#14 Awg | - | Stud | Lug | - | 1.96 | 4.00 | 3.33 | - | 3.38 | 3.49 | - |
| PDM-18-K2-2 | 510 | (1) 3/8-16 x 1-3/16 | (8) #2-#14 Awg | - | Stud | Lug | - | 3.66 | 4.00 | 3.33 | 1.70 | 3.38 | 3.49 | - |
| PDM-18-K2-3 | 510 | (1) 3/8-16 x 1-3/16 | (8) #2-#14 Awg | - | Stud | Lug | - | 5.36 | 4.00 | 3.33 | 3.40 | 3.38 | 3.49 | - |
| PDM-112-K4-1 | 510 | (1) 3/8-16 x 1-3/16 | (12) #4-#14 Awg | - | Stud | Lug | - | 1.96 | 4.00 | 3.33 | - | 3.38 | 3.49 | - |
| PDM-112-K4-2 | 510 | (1) 3/8-16 x 1-3/16 | (12) #4-#14 Awg | - | Stud | Lug | - | 3.66 | 4.00 | 3.33 | 1.70 | 3.38 | 3.49 | - |
| PDM-112-K4-3 | 510 | (1) 3/8-16 x 1-3/16 | (12) #4-#14 Awg | - | Stud | Lug | - | 5.36 | 4.00 | 3.33 | 3.40 | 3.38 | 3.49 | - |
| PDM-14-K2/0-1 | 510 | (1) 3/8-16 x 1-3/16 | (4) 2/0-#14 Awg | - | Stud | Lug | - | 1.96 | 4.00 | 3.33 | - | 3.38 | 3.49 | - |
| PDM-14-K2/0-2 | 510 | (1) 3/8-16 x 1-3/16 | (4) 2/0-#14 Awg | - | Stud | Lug | - | 3.66 | 4.00 | 3.33 | 1.70 | 3.38 | 3.49 | - |
| PDM-14-K2/0-3 | 510 | (1) 3/8-16 x 1-3/16 | (4) 2/0-#14 Awg | - | Stud | Lug | - | 5.36 | 4.00 | 3.33 | 3.40 | 3.38 | 3.49 | - |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

For further details on conductor classes please refer to product data sheets

UL1059 terminal block standard file No. E84782 CSA certified CSA c22.2 No. 158, File number MC 249467 (wire classes B & C only)

- Indicates that snap on cover is standard

TYPE LDAU LDBU

Features

- Modular design
- Easy to assemble
- UL listed 90° C 600 Volts
- Electro-tin plated aluminum
- Multiple conductor capability

Benefits

- Simplifies stocking. Combines any number of blocks with multiple conductor ranges into the specific configuration required for the job.
- Unique locking feature allows individual blocks to be combined quickly without special tools
- Ensures reliability
- Suitable for use with both copper and aluminum conductors in any combination
- Individual blocks supplied in a variety of configurations with one or two main cable ports and four, six, or twelve taps. All are range taking.



Fig. 1



Fig. 2

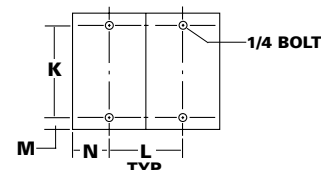
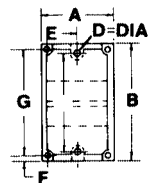
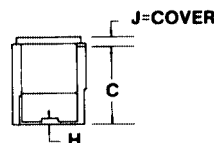


| Catalog Number | Figure Number | Connector | | Primary | | | Secondary | | | Ampere |
|----------------|---------------|-----------|-----------|------------|-------------------|----------|------------|-------------------|----------|-----------------|
| | | Primary | Secondary | Wire Range | Openings Per Pole | Hex Size | Wire Range | Openings Per Pole | Hex Size | Rating Per Pole |
| LDBU-112-350 | 1 | | | 350kcmil-6 | 1 | 3/8 | 4-14 | 12 | Slot | 310 |
| LDAU-112-350 | 2 | | | 350kcmil-6 | 1 | 3/8 | 4-14 | 12 | Slot | 310 |
| LDBU-112A-350 | 1 | | | 350kcmil-6 | 1 | 3/8 | 4-14 | 12 | Slot | 310 |
| LDAU-112A-350 | 2 | | | 350kcmil-6 | 1 | 3/8 | 4-14 | 12 | Slot | 310 |
| LDBU-16-350 | 1 | | | 350kcmil-6 | 1 | 3/8 | 2/0-14 | 6 | 3/16 | 310 |
| LDAU-16-350 | 2 | | | 350kcmil-6 | 1 | 3/8 | 2/0-14 | 6 | 3/16 | 310 |
| LDBU-16-500 | 1 | | | 500kcmil-4 | 1 | 3/8 | 2/0-14 | 6 | 3/16 | 380 |
| LDAU-16-500 | 2 | | | 500kcmil-4 | 1 | 3/8 | 2/0-14 | 6 | 3/16 | 380 |
| LDBU-26-350 | 1 | | | 350kcmil-6 | 2 | 3/8 | 2/0-14 | 6 | 3/16 | 620 |
| LDAU-26-350 | 2 | | | 350kcmil-6 | 2 | 3/8 | 2/0-14 | 6 | 3/16 | 620 |
| LDBU-212-4/0 | 1 | | | 4/0-6 | 2 | 1/4 | 4-14 | 12 | Slot | 460 |
| LDAU-212-4/0 | 2 | | | 4/0-6 | 2 | 1/4 | 4-14 | 12 | Slot | 460 |
| LDBU-212-500 | 1 | | | 500kcmil-4 | 2 | 3/8 | 4-14 | 12 | Slot | 760 |
| LDAU-212-500 | 2 | | | 500kcmil-4 | 2 | 3/8 | 4-14 | 12 | Slot | 760 |
| LDBU-26-500 | 1 | | | 500kcmil-4 | 2 | 3/8 | 2/0-14 | 6 | 3/16 | 760 |
| LDAU-26-500 | 2 | | | 500kcmil-4 | 2 | 3/8 | 2/0-14 | 6 | 3/16 | 760 |
| LDBU-24-500 | 1 | | | 500kcmil-4 | 2 | 3/8 | 4/0-6 | 4 | 5/16 | 760 |
| LDAU-24-500 | 2 | | | 500kcmil-4 | 2 | 3/8 | 4/0-6 | 4 | 5/16 | 760 |
| LDBU-11-500 | 1 | | | 500kcmil-4 | 1 | 3/8 | 500kcmil-4 | 1 | 3/8 | 380 |
| LDAU-11-500 | 2 | | | 500kcmil-4 | 1 | 3/8 | 500kcmil-4 | 1 | 3/8 | 380 |
| LDBU-22-350 | 1 | | | 350kcmil-6 | 2 | 3/8 | 350kcmil-6 | 2 | 3/8 | 620 |
| LDAU-22-350 | 2 | | | 350kcmil-6 | 2 | 3/8 | 350kcmil-6 | 2 | 3/8 | 620 |
| LDBU-22-500 | 1 | | | 500kcmil-4 | 2 | 3/8 | 500kcmil-4 | 2 | 3/8 | 760 |
| LDAU-22-500 | 2 | | | 500kcmil-4 | 2 | 3/8 | 500kcmil-4 | 2 | 3/8 | 760 |

Side Panel can be ordered separately Cat. No. LDS-1

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Tested to UL 1953, UL File E112158



Dimensions

| A | B | C | D=Dia. | E | F | G | H | J = Cover | K | L | M | N |
|---|-------|--------|----------|-------|------|-------|-----|-----------|------|------|-----|------|
| 3 | 5-1/2 | 3-7/16 | .28 Slot | 1-1/2 | 5/16 | 4-7/8 | 1/4 | 1/2 | 4.75 | 2.69 | .38 | 1.50 |

TYPE PDBU

Features

- Lay-In primary cable ports
- Valox insulating base
- UL 1953 Listed for 600 volts
- Electro-tin plated
- Manufactured from high strength aluminum

Benefits

- Designed for feed through of two primary conductors and up to six taps with no need to break the main feeder cable
- Provides a high degree of impact resistance with superior insulating qualities
- Ensures reliability
- Provides low contact resistance
- Suitable for use with either copper or aluminum conductors

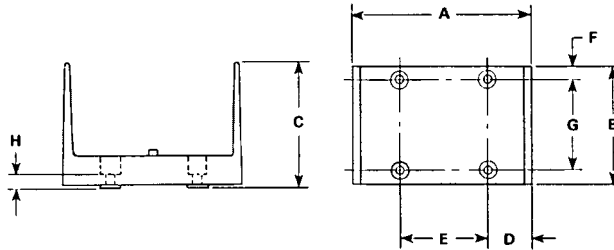


C

| Catalog Number | Connector | | Primary | | Secondary | | Ampere Rating Per Pole | Number Of Poles | Hex Size | |
|----------------|---------------|-----------|------------|-------------------|------------|-------------------|------------------------|-----------------|----------|-----------|
| | Primary | Secondary | Wire Range | Openings Per Pole | Wire Range | Openings Per Pole | | | Primary | Secondary |
| | PDBU-26-750-1 | | | 750kcmil-250kcmil | 2 | 250kcmil-6 | | | 6 | 950 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Tested to UL 1953, UL File E112158



| Block Size | No. of Poles | Dimensions | | | | | | | |
|------------|--------------|------------|---|-------|---------|---|-----|-------|------|
| | | A | B | C | D | E | F | G | H |
| W | 1 | 6-7/32 | 4 | 4-3/8 | 1-19/32 | 3 | 3/8 | 3-1/4 | 7/16 |

* Valox® is a registered trade name of the General Electric Company.

TYPE PDBU

Features

- Manufactured from high strength aluminum
- Valox* insulating base
- UL 1953 Listed 90° C 600 volts
- Electro-tin plated

Benefits

- Reliable use for copper conductor only
- Provides a high degree of impact resistance with superior insulating qualities
- Ensures reliability
- Provides low contact resistance



C

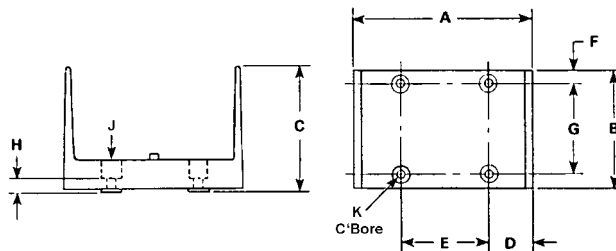
| Catalog Number | Connector | | Primary | | Secondary | | Ampere Rating Per Pole | Number Of Poles | Block Size | Hex Size | |
|----------------|-----------|-----------|------------|-------------------|------------|-------------------|------------------------|-----------------|------------|----------|-----------|
| | Primary | Secondary | Wire Range | Openings Per Pole | Wire Range | Openings Per Pole | | | | Primary | Secondary |
| | | | | | | | | | | | |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Valox® is a registered trade name of the General Electric Company.

A versatile tap hole, wire range 8-14 AWG included on the connector.

Tested to UL 1953, UL File E112158



| Block Size | No. of Poles | Dimensions | | | | | | | | | |
|------------|--------------|------------|---|-------|---------|---|-----|-------|------|------|------|
| | | A | B | C | D | E | F | G | H | J | K |
| W | 1 | 6-7/32 | 4 | 4-3/8 | 1-19/32 | 3 | 3/8 | 3-1/4 | 7/16 | 9/32 | 9/16 |

TYPE PDBU

Features

- Multiple taps
- Valox* insulating base
- UL 1953 Listed 90° C 600 Volts
- Electro-tin plated
- Manufactured from high strength aluminum
- Short Circuit Rating 10K RMS SYM Amps

Benefits

- Three different connector configurations provide a wide range of tapping capabilities for up to four primary conductors
- Provides a high degree of impact resistance with superior insulating qualities
- Ensures reliability
- Provides low contact resistance
- Suitable for use with either copper or aluminum conductors
- Added protection



Fig. 1











Fig. 2



Fig. 3



Fig. 4

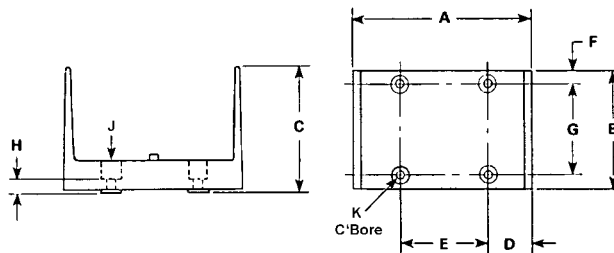
| Catalog Number | Figure Number | Connector | | Primary | | Secondary | | Ampere Rating Per Pole | Number of Poles | Block Size | Hex Size | |
|-----------------|---------------|---|---|--------------|-------------------|---------------------|-------------------|------------------------|-----------------|------------|----------|-------------|
| | | Primary | Secondary | Wire Range | Openings Per Pole | Wire Range | Openings Per Pole | | | | Primary | Secondary |
| PDBU-428-500-1 | 1 |  |  | 500kcmil-4 | 4 | 4-14 | 28 | 1520 | 1 | W | 3/8 | Slot |
| PDBU-49-500-1 | 2 |  |  | 500kcmil-4 | 4 | 350kcmil-6 4/0-6 | 6 3 | 1520 | 1 | W | 3/8 | 3/8 5/16 |
| ° PDBU-55-500-1 | 4 |  |  | 500kcmil-3/0 | 5 | 500kcmil-3/0 | 5 | 1600 | 1 | W | 3/8 | 3/8 |
| PDBU-412-500-1 | 3 |  |  | 500kcmil-4 | 4 | 4/0-6 | 12 | 1520 | 1 | W | 3/8 | 5/16 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Valox® is a registered trade name of the General Electric Company.

° A versatile tap hole, wire range 8-14 AWG included on the connector.

Tested to UL 1953, UL File E112158



| Block Size | No. of Poles | Dimensions | | | | | | | | | |
|------------|--------------|------------|---|-------|---------|---|-----|-------|------|------|------|
| | | A | B | C | D | E | F | G | H | J | K |
| W | 1 | 6-7/32 | 4 | 4-3/8 | 1-19/32 | 3 | 3/8 | 3-1/4 | 7/16 | 9/32 | 9/16 |

TYPE
LDA
LDB

Features

- Modular design
- Easy to assemble
- UL Recognized 90° C 600 Volts and is CSA Certified
- Electro-tin plated aluminum
- Clear cover
- Multiple conductor capability

Benefits

- Simplifies stocking. Combines any number of blocks with multiple conductor ranges into the specific configuration required for the job.
- Unique locking feature allows individual blocks to be combined quickly without special tools
- Ensures reliability
- Suitable for use with both copper and aluminum conductors in any combination
- Permits visual inspection
- Individual blocks supplied in a variety of configurations with one or two main cable ports and four, six, or twelve taps. All are range taking.



Fig. 1



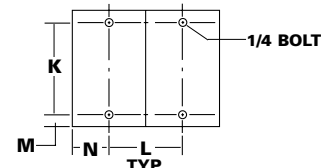
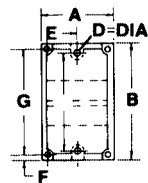
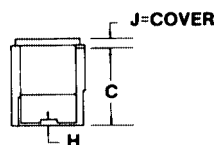
Fig. 2



| Catalog Number | Figure Number | Connector | | Primary | | | Secondary | | | Ampere |
|----------------|---------------|-----------|-----------|------------|-------------------|----------|------------|-------------------|----------|-----------------|
| | | Primary | Secondary | Wire Range | Openings Per Pole | Hex Size | Wire Range | Openings Per Pole | Hex Size | Rating Per Pole |
| LDB-112-350 | 1 | | | 350kcmil-6 | 1 | 3/8 | 4-14 | 12 | Slot | 310 |
| LDA-112-350 | 2 | | | 350kcmil-6 | 1 | 3/8 | 4-14 | 12 | Slot | 310 |
| LDB-112A-350 | 1 | | | 350kcmil-6 | 1 | 3/8 | 4-14 | 12 | Slot | 310 |
| LDA-112A-350 | 2 | | | 350kcmil-6 | 1 | 3/8 | 4-14 | 12 | Slot | 310 |
| LDB-16-350 | 1 | | | 350kcmil-6 | 1 | 3/8 | 2/0-14 | 6 | 3/16 | 310 |
| LDA-16-350 | 2 | | | 350kcmil-6 | 1 | 3/8 | 2/0-14 | 6 | 3/16 | 310 |
| LDB-16-500 | 1 | | | 500kcmil-4 | 1 | 3/8 | 2/0-14 | 6 | 3/16 | 380 |
| LDA-16-500 | 2 | | | 500kcmil-4 | 1 | 3/8 | 2/0-14 | 6 | 3/16 | 380 |
| LDB-26-350 | 1 | | | 350kcmil-6 | 2 | 3/8 | 2/0-14 | 6 | 3/16 | 620 |
| LDA-26-350 | 2 | | | 350kcmil-6 | 2 | 3/8 | 2/0-14 | 6 | 3/16 | 620 |
| LDB-212-4/0 | 1 | | | 4/0-6 | 2 | 1/4 | 4-14 | 12 | Slot | 460 |
| LDA-212-4/0 | 2 | | | 4/0-6 | 2 | 1/4 | 4-14 | 12 | Slot | 460 |
| LDB-212-500 | 1 | | | 500kcmil-4 | 2 | 3/8 | 4-14 | 12 | Slot | 760 |
| LDA-212-500 | 2 | | | 500kcmil-4 | 2 | 3/8 | 4-14 | 12 | Slot | 760 |
| LDB-26-500 | 1 | | | 500kcmil-4 | 2 | 3/8 | 2/0-14 | 6 | 3/16 | 760 |
| LDA-26-500 | 2 | | | 500kcmil-4 | 2 | 3/8 | 2/0-14 | 6 | 3/16 | 760 |
| LDB-24-500 | 1 | | | 500kcmil-4 | 2 | 3/8 | 4/0-6 | 4 | 5/16 | 760 |
| LDA-24-500 | 2 | | | 500kcmil-4 | 2 | 3/8 | 4/0-6 | 4 | 5/16 | 760 |
| LDB-11-500 | 1 | | | 500kcmil-4 | 1 | 3/8 | 500kcmil-4 | 1 | 3/8 | 380 |
| LDA-11-500 | 2 | | | 500kcmil-4 | 1 | 3/8 | 500kcmil-4 | 1 | 3/8 | 380 |
| LDB-22-350 | 1 | | | 350kcmil-6 | 2 | 3/8 | 350kcmil-6 | 2 | 3/8 | 620 |
| LDA-22-350 | 2 | | | 350kcmil-6 | 2 | 3/8 | 350kcmil-6 | 2 | 3/8 | 620 |
| LDB-22-500 | 1 | | | 500kcmil-4 | 2 | 3/8 | 500kcmil-4 | 2 | 3/8 | 760 |
| LDA-22-500 | 2 | | | 500kcmil-4 | 2 | 3/8 | 500kcmil-4 | 2 | 3/8 | 760 |

Side Panel can be ordered separately Cat. No. LDS-1

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 1059, UL File E84782



Dimensions

| A | B | C | D=Dia. | E | F | G | H | J = Cover | K | L | M | N |
|---|-------|--------|----------|-------|------|-------|-----|-----------|------|------|-----|------|
| 3 | 5-1/2 | 3-7/16 | .28 Slot | 1-1/2 | 5/16 | 4-7/8 | 1/4 | 1/2 | 4.75 | 2.69 | .38 | 1.50 |

TYPE PDA PDC

Features

- Modular design
- Easy to assemble
- UL Recognized 90° C 600 Volts and is CSA Certified
- Electro-tin plated
- Lexan® insulating base
- Manufactured from high strength aluminum

Benefits

- Simplifies stocking. Combines any number of blocks with multiple conductor ranges into the specific configuration required for the job.
- Unique locking feature allows individual blocks to be combined quickly without special tools
- Ensures reliability
- Provides low contact resistance
- Provides a high degree of impact resistance with superior insulating qualities
- Suitable for use with either copper or aluminum conductors



Fig. 1



Fig. 2



Fig. 3



Fig. 4

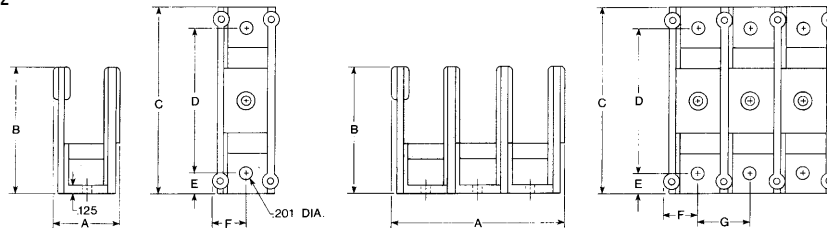
| Catalog Number | Figure Number | Connector | | Primary | | Secondary | | Ampere Rating Per Pole | No. of Poles | Hex Size | |
|----------------|---------------|-----------|-----------|------------|-------------------|------------|-------------------|------------------------|--------------|----------|-----------|
| | | Primary | Secondary | Wire Range | Openings Per Pole | Wire Range | Openings Per Pole | | | Primary | Secondary |
| PDC-14-2/0-1 | 1 | | | 2/0-14 | 1 | 4-14 | 4 | 175 | 1 | 3/16 | Slot |
| PDA-14-2/0-1 | 2 | | | 2/0-14 | 1 | 4-14 | 4 | 175 | Adder | 3/16 | Slot |
| PDC-11-2/0-1 | 3 | | | 2/0-14 | 1 | 2/0-14 | 1 | 175 | 1 | 3/16 | 3/16 |
| PDA-11-2/0-1 | 4 | | | 2/0-14 | 1 | 2/0-14 | 1 | 175 | Adder | 3/16 | 3/16 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Covers available 1-10 Poles. Specify length.

*Lexan is a registered trademark of SABIC INNOVATIVE PLASTICS HOLDINGS BV.

Tested to UL 1059, UL File E84782



| Block Size | No. of Poles | Dimensions | | | | | | |
|------------|--------------|------------|------|------|------|-----|-----|-----|
| | | A | B | C | D | E | F | G |
| S | 1 | 1.05 | 1.94 | 2.88 | 2.25 | .31 | .53 | .80 |
| S | 2 | 1.85 | 1.94 | 2.88 | 2.25 | .31 | .53 | .80 |

"A" Dimension increases by .80 per additional pole.

TYPE PDB

Features

- Range taking
- Valox* insulating base
- Electro-tin plated
- Manufactured from high strength aluminum
- UL Recognized rated 90° C and is CSA Certified, rated for 600 volts

Benefits

- Provides great flexibility in using the connector as an in line splice or to reduce conductor size
- Provides a high degree of impact resistance with superior insulating qualities
- Provides low contact resistance
- Suitable for use with either copper or aluminum conductors
- Ensures reliability



| Catalog Number | Connector | | Primary | | Secondary | | Ampere Rating Per Pole | Number Of Poles | Block Size | Hex Size | |
|----------------|-----------|-----------|------------|-------------------|------------|-------------------|------------------------|-----------------|------------|----------|-----------|
| | Primary | Secondary | Wire Range | Openings Per Pole | Wire Range | Openings Per Pole | | | | Primary | Secondary |
| PDB-16-2/0-1 | | | 2/0-12 | 1 | 4-14 | 6 | 175 | 1 | M | | |
| PDB-16-2/0-2 | | | 2/0-12 | 1 | 4-14 | 6 | 175 | 2 | M | 3/16 | Slot |
| PDB-16-2/0-3 | | | 2/0-12 | 1 | 4-14 | 6 | 175 | 3 | M | | |
| PDB-26-2/0-1 | | | 2/0-12 | 2 | 2-14 | 6 | 350 | 1 | M | | |
| PDB-26-2/0-2 | | | 2/0-12 | 2 | 2-14 | 6 | 350 | 2 | M | 3/16 | Slot |
| PDB-26-2/0-3 | | | 2/0-12 | 2 | 2-14 | 6 | 350 | 3 | M | | |
| PDB-112-350-1 | | | 350kcmil-6 | 1 | 4-14 | 12 | 310 | 1 | L | | |
| PDB-112-350-2 | | | 350kcmil-6 | 1 | 4-14 | 12 | 310 | 2 | L | 3/8 | Slot |
| PDB-112-350-3 | | | 350kcmil-6 | 1 | 4-14 | 12 | 310 | 3 | L | | |
| PDB-112A-350-1 | | | 350kcmil-6 | 1 | 4-14 | 12 | 310 | 1 | M | | |
| PDB-112A-350-2 | | | 350kcmil-6 | 1 | 4-14 | 12 | 310 | 2 | M | 3/8 | Slot |
| PDB-112A-350-3 | | | 350kcmil-6 | 1 | 4-14 | 12 | 310 | 3 | M | | |
| PDB-14-500-1 | | | 500kcmil-4 | 1 | 2/0-14 | 4 | 380 | 1 | M | | |
| PDB-14-500-2 | | | 500kcmil-4 | 1 | 2/0-14 | 4 | 380 | 2 | M | 3/8 | 3/16 |
| PDB-14-500-3 | | | 500kcmil-4 | 1 | 2/0-14 | 4 | 380 | 3 | M | | |
| PDB-16-350-1 | | | 350kcmil-6 | 1 | 2/0-14 | 6 | 310 | 1 | L | | |
| PDB-16-350-2 | | | 350kcmil-6 | 1 | 2/0-14 | 6 | 310 | 2 | L | 3/8 | 3/16 |
| PDB-16-350-3 | | | 350kcmil-6 | 1 | 2/0-14 | 6 | 310 | 3 | L | | |
| PDB-162-500-1 | | | 500kcmil-4 | 1 | 2-14 | 6 | 380 | 1 | M | | |
| PDB-162-500-2 | | | 500kcmil-4 | 1 | 2-14 | 6 | 380 | 2 | M | 3/8 | Slot |
| PDB-162-500-3 | | | 500kcmil-4 | 1 | 2-14 | 6 | 380 | 3 | M | | |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* Valox® is a registered trade name of the General Electric Company.

Tested to UL 1059, UL File E84782

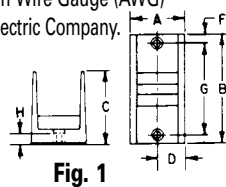


Fig. 1

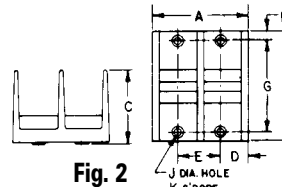


Fig. 2

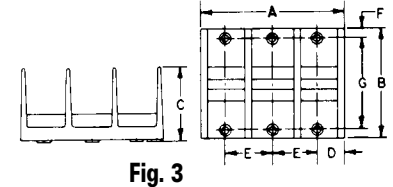


Fig. 3

Dimensions

| Block Size | Number Of Poles | Figure Number | A | B | C | D | E | F | G | H | J | K |
|------------|-----------------|---------------|---------|-------|-------|-------|---------|------|-------|------|-------|-------|
| M | 1 | 1 | 1-27/32 | 4 | 2-5/8 | 31/32 | - | 5/16 | 3-3/8 | 3/8 | 13/64 | 13/32 |
| M | 2 | 2 | 3-13/32 | 4 | 2-5/8 | 31/32 | 1-17/32 | 5/16 | 3-3/8 | 3/8 | 13/64 | 13/32 |
| M | 3 | 3 | 5 | 4 | 2-5/8 | 31/32 | 1-17/32 | 5/16 | 3-3/8 | 3/8 | 13/64 | 13/32 |
| L | 1 | 1 | 3 | 5-1/2 | 3-1/2 | 1-1/2 | - | 3/8 | 4-3/4 | 7/16 | 9/32 | 1/2 |
| L | 2 | 2 | 5-11/16 | 5-1/2 | 3-1/2 | 1-1/2 | 2-11/16 | 3/8 | 4-3/4 | 7/16 | 9/32 | 1/2 |
| L | 3 | 3 | 8-3/8 | 5-1/2 | 3-1/2 | 1-1/2 | 2-11/16 | 3/8 | 4-3/4 | 7/16 | 9/32 | 1/2 |

TYPE PDB

Features

- Range taking
- Valox* insulating base
- Electro-tin plated
- Manufactured from high strength aluminum
- UL Recognized rated 90° C and is CSA Certified, rated for 600 volts

Benefits

- Provides great flexibility in using the connector as an in line splice or to reduce conductor size
- Provides a high degree of impact resistance with superior insulating qualities
- Provides low contact resistance
- Suitable for use with either copper or aluminum conductors
- Ensures reliability



C

| Catalog Number | Connector | | Primary | | Secondary | | Ampere Rating Per Pole | Number Of Poles | Block Size | Hex Size | |
|----------------|-----------|-----------|------------|-------------------|------------|-------------------|------------------------|-----------------|------------|----------|-----------|
| | Primary | Secondary | Wire Range | Openings Per Pole | Wire Range | Openings Per Pole | | | | Primary | Secondary |
| PDB-212-4/0-1 | | | 4/0-6 | 2 | 4-14 | 12 | 460 | 1 | M | | |
| PDB-212-4/0-2 | | | 4/0-6 | 2 | 4-14 | 12 | 460 | 2 | M | 3/8 | Slot |
| PDB-212-4/0-3 | | | 4/0-6 | 2 | 4-14 | 12 | 460 | 3 | M | | |
| PDB-26-350-1 | | | 350kcmil-6 | 2 | 2/0-14 | 6 | 620 | 1 | L | | |
| PDB-26-350-2 | | | 350kcmil-6 | 2 | 2/0-14 | 6 | 620 | 2 | L | 3/8 | 3/16 |
| PDB-26-350-3 | | | 350kcmil-6 | 2 | 2/0-14 | 6 | 620 | 3 | L | | |
| PDB-16-500-1 | | | 500kcmil-4 | 1 | 2/0-14 | 6 | 380 | 1 | L | | |
| PDB-16-500-2 | | | 500kcmil-4 | 1 | 2/0-14 | 6 | 380 | 2 | L | 3/8 | 3/16 |
| PDB-16-500-3 | | | 500kcmil-4 | 1 | 2/0-14 | 6 | 380 | 3 | L | | |
| PDB-212-500-1 | | | 500kcmil-4 | 2 | 4-14 | 12 | 760 | 1 | L | | |
| PDB-212-500-2 | | | 500kcmil-4 | 2 | 4-14 | 12 | 760 | 2 | L | 3/8 | Slot |
| PDB-212-500-3 | | | 500kcmil-4 | 2 | 4-14 | 12 | 760 | 3 | L | | |
| PDB-24-500-1 | | | 500kcmil-4 | 2 | 4/0-6 | 4 | 760 | 1 | L | | |
| PDB-24-500-2 | | | 500kcmil-4 | 2 | 4/0-6 | 4 | 760 | 2 | L | 3/8 | 5/16 |
| PDB-24-500-3 | | | 500kcmil-4 | 2 | 4/0-6 | 4 | 760 | 3 | L | | |
| PDB-26-500-1 | | | 500kcmil-4 | 2 | 2/0-14 | 6 | 760 | 1 | L | | |
| PDB-26-500-2 | | | 500kcmil-4 | 2 | 2/0-14 | 6 | 760 | 2 | L | 3/8 | 3/16 |
| PDB-26-500-3 | | | 500kcmil-4 | 2 | 2/0-14 | 6 | 760 | 3 | L | | |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

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Tested to UL 1059, UL File E84782

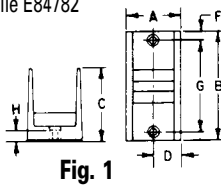


Fig. 1

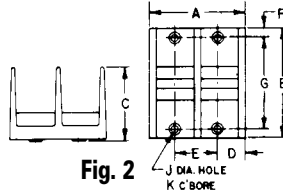


Fig. 2

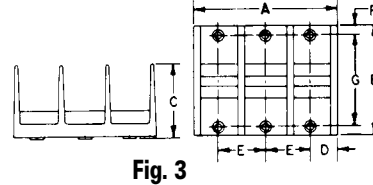


Fig. 3

Dimensions

| Block Size | Number Of Poles | Figure Number | A | B | C | D | E | F | G | H | J | K |
|------------|-----------------|---------------|---------|-------|-------|-------|---------|------|-------|------|-------|-------|
| M | 1 | 1 | 1-27/32 | 4 | 2-5/8 | 31/32 | - | 5/16 | 3-3/8 | 3/8 | 13/64 | 13/32 |
| M | 2 | 2 | 3-13/32 | 4 | 2-5/8 | 31/32 | 1-17/32 | 5/16 | 3-3/8 | 3/8 | 13/64 | 13/32 |
| M | 3 | 3 | 5 | 4 | 2-5/8 | 31/32 | 1-17/32 | 5/16 | 3-3/8 | 3/8 | 13/64 | 13/32 |
| L | 1 | 1 | 3 | 5-1/2 | 3-1/2 | 1-1/2 | - | 3/8 | 4-3/4 | 7/16 | 9/32 | 1/2 |
| L | 2 | 2 | 5-11/16 | 5-1/2 | 3-1/2 | 1-1/2 | 2-11/16 | 3/8 | 4-3/4 | 7/16 | 9/32 | 1/2 |
| L | 3 | 3 | 8-3/8 | 5-1/2 | 3-1/2 | 1-1/2 | 2-11/16 | 3/8 | 4-3/4 | 7/16 | 9/32 | 1/2 |

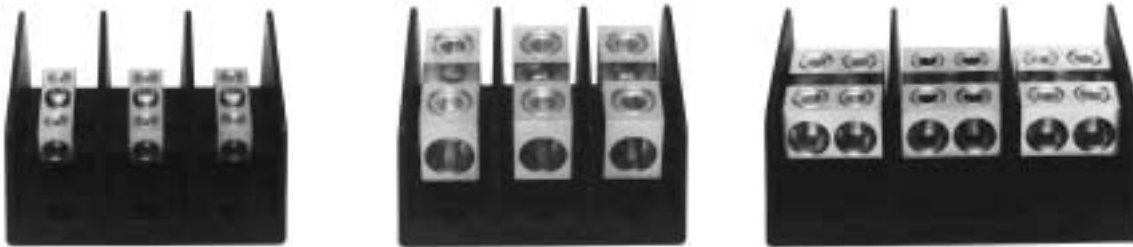
TYPE PDB

Features

- Multiple taps
- Range taking
- Valox* insulating base
- Electro-tin plated
- Manufactured from high strength aluminum
- UL Recognized rated 90° C and is CSA Certified, rated for 600 volts

Benefits

- Depending on product selected, up to twelve taps can be taken from one or two mains
- Provides tapping flexibility over a broad wire range
- Provides a high degree of impact resistance with superior insulating qualities
- Provides low contact resistance
- Suitable for use with either copper or aluminum conductors
- Ensures reliability



| Catalog Number | Connector | | Primary | | Secondary | | Ampere Rating Per Pole | Number Of Poles | Block Size | Hex Size | |
|----------------|-----------|-----------|------------|-------------------|------------|-------------------|------------------------|-----------------|------------|----------|-----------|
| | Primary | Secondary | Wire Range | Openings Per Pole | Wire Range | Openings Per Pole | | | | Primary | Secondary |
| PDB-11-2/0-1 | | | 2/0-14 | 1 | 2/0-14 | 1 | 175 | 1 | M | | |
| PDB-11-2/0-2 | | | 2/0-14 | 1 | 2/0-14 | 1 | 175 | 2 | M | 3/16 | 3/16 |
| PDB-11-2/0-3 | | | 2/0-14 | 1 | 2/0-14 | 1 | 175 | 3 | M | | |
| PDB-11-350-1 | | | 350kcmil-6 | 1 | 350kcmil-6 | 1 | 310 | 1 | M | | |
| PDB-11-350-2 | | | 350kcmil-6 | 1 | 350kcmil-6 | 1 | 310 | 2 | M | 3/8 | 3/8 |
| PDB-11-350-3 | | | 350kcmil-6 | 1 | 350kcmil-6 | 1 | 310 | 3 | M | | |
| PDB-11-500-1 | | | 500kcmil-4 | 1 | 500kcmil-4 | 1 | 380 | 1 | L | | |
| PDB-11-500-2 | | | 500kcmil-4 | 1 | 500kcmil-4 | 1 | 380 | 2 | L | 3/8 | 3/8 |
| PDB-11-500-3 | | | 500kcmil-4 | 1 | 500kcmil-4 | 1 | 380 | 3 | L | | |
| PDB-22-2/0-1 | | | 2/0-14 | 2 | 2/0-14 | 2 | 350 | 1 | M | | |
| PDB-22-2/0-2 | | | 2/0-14 | 2 | 2/0-14 | 2 | 350 | 2 | M | 3/16 | 3/16 |
| PDB-22-2/0-3 | | | 2/0-14 | 2 | 2/0-14 | 2 | 350 | 3 | M | | |
| PDB-22-350-1 | | | 350kcmil-6 | 2 | 350kcmil-6 | 2 | 620 | 1 | L | | |
| PDB-22-350-2 | | | 350kcmil-6 | 2 | 350kcmil-6 | 2 | 620 | 2 | L | 3/8 | 3/8 |
| PDB-22-350-3 | | | 350kcmil-6 | 2 | 350kcmil-6 | 2 | 620 | 3 | L | | |
| PDB-22-500-1 | | | 500kcmil-4 | 2 | 500kcmil-4 | 2 | 760 | 1 | L | | |
| PDB-22-500-2 | | | 500kcmil-4 | 2 | 500kcmil-4 | 2 | 760 | 2 | L | 3/8 | 3/8 |
| PDB-22-500-3 | | | 500kcmil-4 | 2 | 500kcmil-4 | 2 | 760 | 3 | L | | |

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Tested to UL 1059, UL File E84782

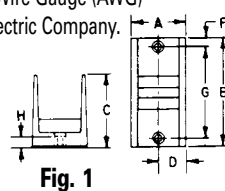


Fig. 1

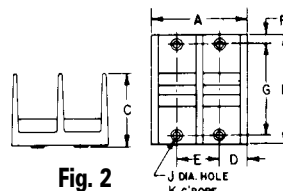


Fig. 2

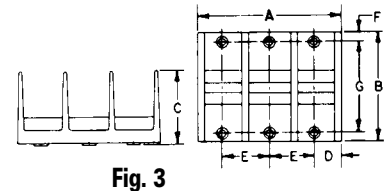


Fig. 3

Dimensions

| Block Size | Number Of Poles | Figure Number | A | B | C | D | E | F | G | H | J | K |
|------------|-----------------|---------------|---------|-------|-------|-------|---------|------|-------|------|-------|-------|
| M | 1 | 1 | 1-27/32 | 4 | 2-5/8 | 31/32 | - | 5/16 | 3-3/8 | 3/8 | 13/64 | 13/32 |
| M | 2 | 2 | 3-13/32 | 4 | 2-5/8 | 31/32 | 1-17/32 | 5/16 | 3-3/8 | 3/8 | 13/64 | 13/32 |
| M | 3 | 3 | 5 | 4 | 2-5/8 | 31/32 | 1-17/32 | 5/16 | 3-3/8 | 3/8 | 13/64 | 13/32 |
| L | 1 | 1 | 3 | 5-1/2 | 3-1/2 | 1-1/2 | - | 3/8 | 4-3/4 | 7/16 | 9/32 | 1/2 |
| L | 2 | 2 | 5-11/16 | 5-1/2 | 3-1/2 | 1-1/2 | 2-11/16 | 3/8 | 4-3/4 | 7/16 | 9/32 | 1/2 |
| L | 3 | 3 | 8-3/8 | 5-1/2 | 3-1/2 | 1-1/2 | 2-11/16 | 3/8 | 4-3/4 | 7/16 | 9/32 | 1/2 |

TYPE PDB

Features

- Lay-In primary cable ports
- Valox insulating base
- Clear cover
- UL 1059 Recognized and CSA Certified for 600 volts
- Electro-tin plated
- Manufactured from high strength aluminum

Benefits

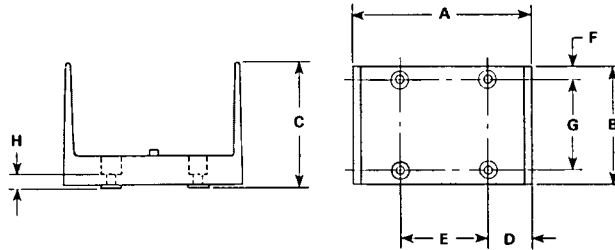
- Designed for feed through of two primary conductors and up to six taps with no need to break the main feeder cable
- Provides a high degree of impact resistance with superior insulating qualities
- Permits visual inspection
- Ensures reliability
- Provides low contact resistance
- Suitable for use with either copper or aluminum conductors



| Catalog Number | Connector | | Primary | | Secondary | | Ampere Rating Per Pole | Number Of Poles | Hex Size | |
|----------------|-----------|-----------|------------|-------------------|------------|-------------------|------------------------|-----------------|----------|-----------|
| | Primary | Secondary | Wire Range | Openings Per Pole | Wire Range | Openings Per Pole | | | Primary | Secondary |
| | | | | | | | | | | |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Tested to UL 1059, UL File E84782



| Block Size | No. of Poles | Dimensions | | | | | | | |
|------------|--------------|------------|---|-------|---------|---|-----|-------|------|
| | | A | B | C | D | E | F | G | H |
| W | 1 | 6-7/32 | 4 | 4-3/8 | 1-19/32 | 3 | 3/8 | 3-1/4 | 7/16 |

* Valox® is a registered trade name of the General Electric Company.

TYPE PDB

Features

- Manufactured from high strength aluminum
- Valox® insulating base
- UL 1059 Recognized 90° C 600 volts
- Electro-tin plated
- Clear cover

Benefits

- Reliable use for copper conductor only
- Provides a high degree of impact resistance with superior insulating qualities
- Ensures reliability
- Provides low contact resistance
- Provides visual inspection



C

| Catalog Number | Connector | | Primary | | Secondary | | Ampere Rating Per Pole | Number Of Poles | Block Size | Hex Size | |
|----------------|-----------|-----------|------------|-------------------|------------|-------------------|------------------------|-----------------|------------|----------|-----------|
| | Primary | Secondary | Wire Range | Openings Per Pole | Wire Range | Openings Per Pole | | | | Primary | Secondary |
| | | | | | | | | | | | |

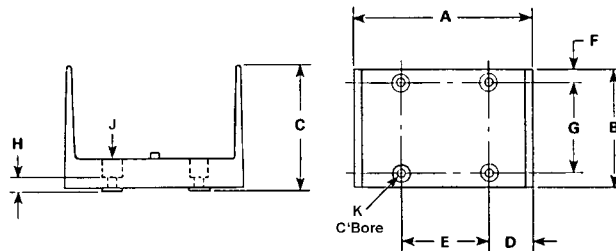
All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Valox® is a registered trade name of the General Electric Company.

A versatile tap hole, wire range 8-14 AWG included on the connector.

Tested to UL 1059, UL File E84782

‡ Not Csa Certified



| Block Size | No. of Poles | Dimensions | | | | | | | | | |
|------------|--------------|------------|---|-------|---------|---|-----|-------|------|------|------|
| | | A | B | C | D | E | F | G | H | J | K |
| W | 1 | 6-7/32 | 4 | 4-3/8 | 1-19/32 | 3 | 3/8 | 3-1/4 | 7/16 | 9/32 | 9/16 |

TYPE PDB

Features

- Multiple taps
- Valox* insulating base
- Clear cover
- UL 1059 Recognized 90° C 600 Volts and is CSA Certified
- Electro-tin plated
- Manufactured from high strength aluminum

Benefits

- Three different connector configurations provide a wide range of tapping capabilities for up to four primary conductors
- Provides a high degree of impact resistance with superior insulating qualities
- Permits visual inspection
- Ensures reliability
- Provides low contact resistance
- Suitable for use with either copper or aluminum conductors



Fig. 1



Fig. 2



Fig. 3



Fig. 4

| Catalog Number | Figure Number | Connector | | Primary | | Secondary | | Ampere Rating Per Pole | Number of Poles | Block Size | Hex Size | |
|----------------|---------------|-----------|-----------|--------------|-------------------|---------------------|-------------------|------------------------|-----------------|------------|----------|-------------|
| | | Primary | Secondary | Wire Range | Openings Per Pole | Wire Range | Openings Per Pole | | | | Primary | Secondary |
| PDB-428-500-1 | 1 | | | 500kcmil-4 | 4 | 4-14 | 28 | 1520 | 1 | W | 3/8 | Slot |
| PDB-49-500-1 | 2 | | | 500kcmil-4 | 4 | 350kcmil-6 4/0-6 | 6 3 | 1520 | 1 | W | 3/8 | 3/8 5/16 |
| ‡ PDB-55-500-1 | 4 | | | 500kcmil-3/0 | 5 | 500kcmil-3/0 | 5 | 1600 | 1 | W | 3/8 | 3/8 |
| PDB-412-500-1 | 3 | | | 500kcmil-4 | 4 | 4/0-6 | 12 | 1520 | 1 | W | 3/8 | 5/16 |

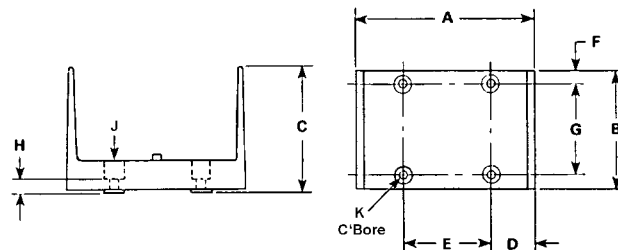
All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Valox® is a registered trade name of the General Electric Company.

° A versatile tap hole, wire range 8-14 AWG included on the connector.

‡ Not CSA Certified

Tested to UL 1059, UL File E84782



| Block Size | No. of Poles | Dimensions | | | | | | | | | |
|------------|--------------|------------|---|-------|---------|---|-----|-------|------|------|------|
| | | A | B | C | D | E | F | G | H | J | K |
| W | 1 | 6-7/32 | 4 | 4-3/8 | 1-19/32 | 3 | 3/8 | 3-1/8 | 7/16 | 9/32 | 9/16 |

Touch Safe Power Distribution Block High Short-Current Rating

TYPE PDE

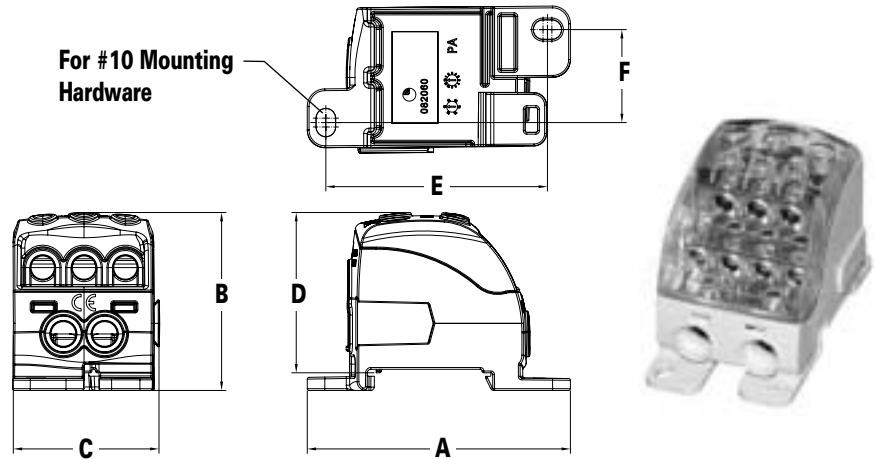
Features

- IP20 touch safe protection
- Transparent cover included
- Compact size
- High Short Circuit Current Rated (SCCR)
- Manufactured from high strength copper alloy
- Electro nickel and tin plated
- Surface or DIN rail mountable
- Jumper option for PDB-160 and 210

Benefits

- Minimizes risk of electrical shock
- Aids visual inspection
- Ideal for use in confined space
- Added protection
- Suitable for use with copper conductor
- Provides low contact resistance
- Easily mounts into new or existing enclosure
- Connects two or three PDB's, eliminates need for multiple wire inputs

| Catalog Number | Dimensions - in. (mm) | | | | | |
|----------------|-----------------------|--------------|--------------|--------------|--------------|--------------|
| | A | B | C | D | E | F |
| PDB-160 | 2.677 (68.0) | 1.929 (49.0) | 1.299 (33.0) | 1.732 (44.0) | 2.214 (56.2) | 0.768 (19.5) |
| PDB-210 | 2.756 (70.0) | 2.114 (53.7) | 1.461 (37.1) | 1.917 (48.7) | 2.303 (58.5) | 0.929 (23.6) |
| PDB-220 | 2.933 (74.5) | 1.984 (50.4) | 1.614 (41.0) | 1.787 (45.4) | 2.470 (62.7) | 1.035 (26.3) |
| PDB-270 | 2.874 (73.0) | 2.146 (54.5) | 2.067 (52.5) | 1.949 (49.5) | 2.461 (62.5) | 1.457 (37.0) |
| PDB-400 | 3.740 (95.0) | 3.032 (77.0) | 2.071 (52.6) | 2.854 (72.5) | 3.238 (82.2) | 1.528 (38.8) |
| PDB-490 | 3.740 (95.0) | 3.032 (77.0) | 2.071 (52.6) | 2.854 (72.5) | 3.238 (82.2) | 1.528 (38.8) |



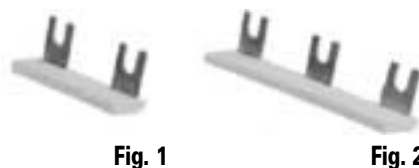
| Catalog Number | Amps | Line | | | Load | | | High SCCR Conditions | | | | | | | SCCR RMS SYM (kA) | |
|----------------|------|--|------------------------------------|------------------------------------|--|----------------------------------|----------------------------------|-----------------------|----------------------------------|---|----|-----|-----|---|-------------------|-----|
| | | Conductor Opening Configuration Per Pole | UL Rated Conductor Range | Screw Drive | Conductor Opening Configuration Per Pole | UL Rated Conductor Range | Screw Drive | Rated Conductor Range | | Overcurrent Protection Fuse Required Class/Max AMP Rating (A) | | | | | | |
| | | | | | | | | Line | Load | J | T | RK1 | RK5 | G | | CC |
| PDB-160† | 85 | | (1) 4-14 (1) 6-16 ^B | Slotted Phillips Combo | | (3) 8-16 (2) 6-16 | 2.5 mm Hex 3 mm Hex | (1) 4-14 | (3) 8-14 (2) 4-14 | 60 | 60 | 60 | 30 | - | 30 | 200 |
| PDB-210† | 115 | | (1) 2-12 (1) 6-16 ^B | Slotted Phillips Combo | | (3) 6-16 (2) 4-14 | 2.5 mm Hex 3 mm Hex | (1) 2-12 | (3) 6-16 (2) 4-14 | 60 | 60 | 60 | 30 | - | 30 | 200 |
| PDB-220† | 150 | | (1) 2/0-8 3.2 x 15.5 mm† | 5 mm Hex 2.5 mm Hex | | (3) 6-16 (2) 4-14 | 3 mm Hex 3 mm Hex | (1) 1/0-10 | (3) 6-14 (2) 4-14 | 60 | 60 | 60 | 30 | - | 30 | 200 |
| PDB-270† | 200 | | (1) 3/0-6 (2) 2-12 ^B | 6 mm Hex Slotted Phillips Combo | | (8) 4-14 | 3 mm Hex | (1) 3/0-6 | (8) 4-14 | 60 | 60 | 60 | 30 | - | 30 | 200 |
| PDB-400* | 250 | | (1) 250kcmil-2 10 x 24 mm† | 6 mm Hex 3 mm Hex | | (3) 4-14 (4) 6-16 (2) 2-12 | 3 mm Hex 3 mm Hex 4 mm Hex | (1) 250kcmil-2 | (3) 4-14 (4) 6-14 (2) 2-12 | 60 | 60 | 60 | 30 | - | 30 | 200 |
| PDB-490* | 310 | | (1) 350kcmil-3/0 10 x 24 mm† | 6 mm Hex 3 mm Hex | | (3) 4-14 (4) 6-16 (2) 2-12 | 3 mm Hex 3 mm Hex 4 mm Hex | (1) 300kcmil-2/0 | (3) 4-14 (4) 6-14 (2) 2-12 | 60 | 60 | 60 | 30 | - | 30 | 200 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG) Recognized to UL1059, 90° C, 600V and IEC standard 60947-7-1
† - flat conductor B - bridge conductor

‡ Rated to 1000V DC
* Rated to 1500V DC

Jumpers

| Catalog Number | Figure Number | Description |
|----------------|---------------|---------------------|
| JMP-2-160 | 1 | Connect 2 PDB-160's |
| JMP-3-160 | 2 | Connect 3 PDB-160's |
| JMP-2-210 | 1 | Connect 2 PDB-210's |
| JMP-3-210 | 2 | Connect 3 PDB-210's |



All PDB blocks are single pole and snap together for multiple pole configurations
For further details on conductors, fuse ratings, and additional SCCR ratings, please refer to product information sheet

TYPE IPC



Features

- Body is molded from tough, resilient glass-filled nylon
 - Compact design
 - Tin plated copper contact teeth
 - Insulation piercing
 - Perforated end tabs
 - Pre-filled with silicone lubricant
 - Versatile
 - Increased safety
- Horizontal line grid
 - Temperature rating 90° C

Benefits

- Provides high degree of breakage resistance and long dependable use
- Saves space
- Easily penetrates most types of insulation
- No need to strip the conductor which saves installation time
- Break out easily by hand
- Prevents oxidation and moisture from entering the contact area
- Can be used as a splice or tap connector
- Contains no external energized parts. Can be installed "hot" on energized conductors providing tap conductor is not under load.
- Provides a visual guide for proper installation of conductors

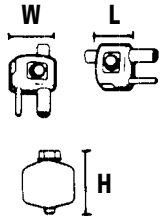


Fig. 1



Fig. 2



Fig. 3



Fig. 4

| Catalog Number | Figure Number | Wire Range | | Volts | Current Rating | | Dimensions | | | Torque Ft. Lbs. | Bolt Head Size |
|----------------|---------------|-------------------|-------------------|-----------------------------|----------------|-----|------------|---------|---------|-----------------|----------------|
| | | Main | Tap | | CU | AL | L | W | H | | |
| IPC-1/0-2 | 3 | 1/0-8 | 2-8 | 300 (480 Grounded Y System) | 130 | 100 | 1-7/32 | 1-15/32 | 2-5/16 | 16 | 1/2 |
| IPC-4/0-6 | 2 | 4/0-4 | 6-14 | 600 | 75 | 60 | 1-27/64 | 1 | 1-7/8 | 13 | 1/2 |
| IPC-4/0-2/0 | 3 | 4/0-2 | 2/0-6 | 600 | 195 | 150 | 1-21/32 | 1-7/8 | 2-7/8 | 25 | 1/2 |
| IPC-250-4/0 | 2 | 250kcmil-1 | 4/0-6 | 600 | 260 | 205 | 1-7/8 | 2-11/32 | 3-11/32 | 30 | 5/8 |
| IPC-350-4/0 | 3 | 350kcmil-4/0 | 4/0-10 | 300 (480 Grounded Y System) | 260 | 205 | 1-43/64 | 2-7/16 | 3-1/8 | 25 | 5/8 |
| IPC-350-350 | 4 | 350kcmil-4/0 | 350kcmil-4/0 | 300 (480 Grounded Y System) | 350 | 280 | 2-43/64 | 2-23/32 | 3-1/4 | 25 | 5/8 |
| IPC-500-12 | 1 | 500kcmil-250kcmil | 10-12 | 300 (480 Grounded Y System) | 40 | 35 | 1-43/64 | 2-7/16 | 3-1/4 | 25 | 5/8 |
| IPC-500-250 | 1 | 500kcmil-250kcmil | 250kcmil-4 | 600 | 290 | 230 | 2-27/64 | 2-29/32 | 3-3/4 | 55 | 5/8-11/16 |
| IPC-500-500 | 1 | 500kcmil-300kcmil | 500kcmil-250kcmil | 600 | 430 | 350 | 3-3/16 | 3-5/8 | 5 | 75 | 7/8-7/8 |
| IPC-750-500 | 1 | 750kcmil-500kcmil | 500kcmil-350kcmil | 600 | 430 | 350 | 3-3/16 | 3-5/8 | 5 | 75 | 7/8-7/8 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Tested to UL 486A/B, UL File E6207

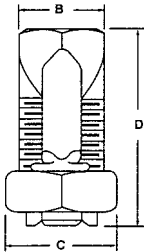
TYPE AK

Features

- Manufactured from heat treated aluminum alloy
- Triangular edges
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Electro-tin plated
- Spacer bar
- Hex Head
- Rated to 90° C

Benefits

- Provides maximum conductivity and strength for copper and aluminum conductors
- Bite into the conductor to break through surface oxides which eliminates wire brushing
- Application versatility
- Provides low contact resistance
- Separates dissimilar metals which prevents galvanic corrosion
- Provides ease of installation with standard wrenches



C

| Catalog Number | Wire Range | | Recommended Tightening Torque | Dimensions | | |
|----------------|---------------------------|------------------------|-------------------------------|------------|------|------|
| | Main | Tap | | B | C | D |
| AK-6 | 6 str-10 sol | 6 str-10 sol | 165 | .56 | .75 | 1.88 |
| AK-4 | 4 str-8 sol | 4 str-10 sol | 165 | .62 | .81 | 1.38 |
| AK-2 | 2 str-6 str Compact | 2 str-8 str | 275 | .69 | .94 | 1.58 |
| AK-1/0 | 1/0 str-2 str Compact | 1/0 str-8 str | 385 | .75 | 1.00 | 1.92 |
| AK-2/0 | 2/0 str-2 str Compact | 2/0 str-8 str | 385 | .88 | 1.12 | 1.92 |
| AK-4/0 | 4/0 str-2 str Compact | 4/0 str-6 str | 500 | 1.13 | 1.49 | 2.54 |
| AK-350 | 350kcmil-1/0 str Compact | 350kcmil-4 str | 650 | 1.50 | 1.69 | 3.24 |
| AK-500 | 500kcmil-400kcmil Compact | 500kcmil-2 str Compact | 825 | 1.73 | 2.00 | 3.62 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

DE-OX Inhibitor is recommended for all aluminum terminations.

UL File E9998

TYPE DBA DBA-S

Features

- Manufactured from high strength aluminum alloy
- Heat treated
- Wax plated
- Neoprene washers
- Range taking
- Re-usable
- Type DBA-S - Spacer bar

Benefits

- Type DBA - Suitable for copper to copper or aluminum to aluminum conductors
- Type DBA-S - Suitable for copper and/or aluminum conductors in any combination
- Provides maximum strength
- Provides low contact resistance
- Hold the bolts captive and eliminates the possibility of loose hardware
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Separates dissimilar metals

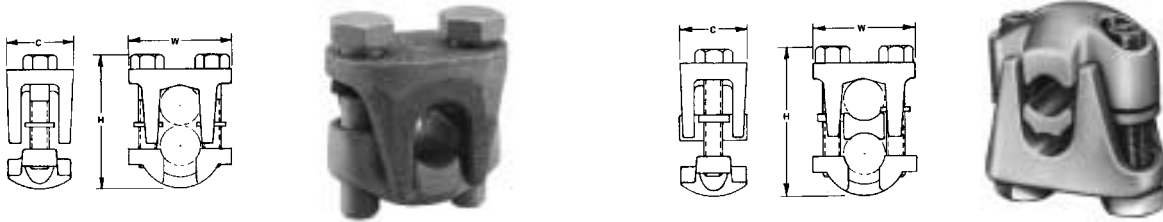


Fig. 1

Fig. 2

| Catalog Number | Figure Number | Wire Range | | Dimensions | | |
|----------------|---------------|--------------------|---------------|------------|---------|-------|
| | | Main | Tap | C | W | H |
| DBA-2/0 | 1 | 2/0-2 | 2/0-10 | 1-1/8 | 1-5/8 | 1-5/8 |
| DBA-250 | 1 | 250kcmil-1/0 | 250kcmil-10 | 1-5/16 | 2 | 2 |
| DBA-350 | 1 | 350kcmil-4/0 | 350kcmil-10 | 1-9/16 | 2-11/32 | 2-1/4 |
| DBA-500 | 1 | 500kcmil-350kcmil | 500kcmil-10 | 1-3/4 | 2-1/2 | 2-3/4 |
| DBA-800 | 1 | 800kcmil-400kcmil | 800kcmil-3/0 | 1-7/8 | 2-7/8 | 3 |
| DBA-1000 | 1 | 1000kcmil-500kcmil | 1000kcmil-3/0 | 2-1/4 | 3-3/16 | 3-1/2 |
| DBA-2/0S | 2 | 2/0-2 | 2/0-10 | 1-1/8 | 1-5/8 | 1-5/8 |
| DBA-250S | 2 | 250kcmil-1/0 | 250kcmil-10 | 1-5/16 | 2 | 2 |
| DBA-350S | 2 | 350kcmil-4/0 | 350kcmil-10 | 1-9/16 | 2-11/32 | 2-1/4 |
| DBA-500S | 2 | 500kcmil-350kcmil | 500kcmil-10 | 1-3/4 | 2-1/2 | 2-3/4 |
| DBA-800S | 2 | 800kcmil-400kcmil | 800kcmil-3/0 | 1-7/8 | 2-7/8 | 3 |
| DBA-1000S | 2 | 1000kcmil-500kcmil | 1000kcmil-3/0 | 2-1/4 | 3-3/16 | 3-1/2 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Inhibitor is recommended for all aluminum terminations.

TYPE AGC SGC

Features

- Manufactured from high strength 6061-T6 aluminum alloy
- Clear plated
- Versatile
- Range taking
- SGC Lay-In feature

Benefits

- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Effectively grounds aluminum or copper conductors to copper water pipe, galvanized pipe or steel conduit
- Three sizes cover a range from 1/2" to 4" pipe with a ground wire range of 250kcmil - #14 which reduces inventory
- Provides ease of installation for long ground wire runs

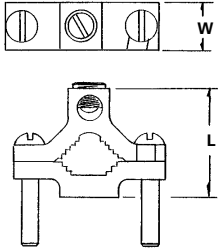


Fig. 1



Fig. 2



Fig. 3

| Catalog Number | Figure Number | Pipe Size | Rebar Size | Ground Wire Range | Screw Type | Dimensions | | Hex Size |
|----------------|---------------|-----------------|------------|-------------------|------------|------------|-------|----------|
| | | | | | | L | W | |
| AGC-1 | 1 | 1/2-3/4-1 | 4, 5, 6 | 1/0-14 | Slot | 2-1/4 | 11/16 | Slot |
| AGC-2 | 2 | 1 1/4-1 1/2-2 | - | 250kcmil-6 | Hex Socket | 3-3/4 | 13/16 | 5/16 |
| AGC-4 | 2 | 2 1/2-3-3 1/2-4 | - | 250kcmil-6 | Hex Socket | 6-5/16 | 1 | 5/16 |
| SGC-1/0* | 3 | 1/2-3/4-1" | - | 1/0-14 | Slot | 2-1/4 | 11/16 | Slot |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
 DE-OX Inhibitor is recommended for all aluminum terminations.
 * Typical application would be grounding computer floor room system.
 UL File E34440

C

TYPE SGB

Features

- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- Lay-in feature
- Exclusive Viridium® plating
- Green color universal to identify ground
- Serrations in conductor wire way
- Unique clamp design
- 1/4" max frame thickness (SGB-4, SGB-5)
- Meets ASTM B117-09

Benefits

- Suitable for use with copper or aluminum conductors
- Provides low contact resistance
- Provides ease of installation
- Resists galvanic corrosion
- Aids visual inspection
- Cuts oxidation
- No mounting hardware required, reusable
- Mount to solar panel frames
- Resistance to outdoor salt spray

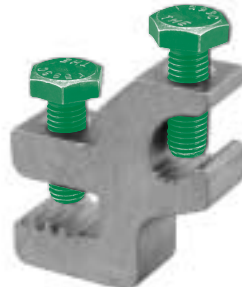
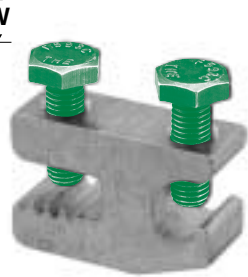
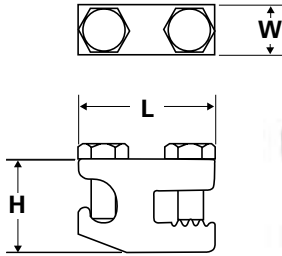


Fig. 1

Fig. 2

Fig. 3

Fig. 4

| Catalog Number | Figure Number | Ground Wire Range | Dimensions - in. (mm) | | | Hex Size |
|----------------|---------------|------------------------|-----------------------|--------------|--------------|----------|
| | | | L | W | H | |
| SGB-4+ | 1 | 4 sol/str-14 sol/str | 1.375 (34.9) | 0.500 (12.7) | 0.941 (23.9) | 7/16 |
| SGB-5+ | 2 | 4 sol/str-14 sol/str | 1.375 (34.9) | 0.500 (12.7) | 1.440 (36.6) | 7/16 |
| SGB-1/0 | 3 | 1/0 sol/str-14 sol/str | 1.508 (38.3) | 0.625 (15.9) | 1.241 (31.5) | 3/16 |
| SGB-250 | 4 | 250kcmil-6 | 1.810 (46.0) | 0.750 (19.1) | 1.703 (43.3) | 3/16 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL 467 for grounding and bonding. UL File E34440
+ UL2703 Recognized E354420 Vol. 1
DE-OX® oxide inhibitor is recommended for all aluminum terminations
Patented

TYPE GBL

Features

- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- Lay-in feature

Benefits

- Suitable for use with copper or aluminum conductors
- Provides low contact resistance
- Provides ease of installation

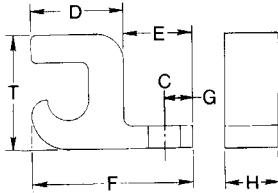


Fig. 1



Fig. 2



Fig. 3

C

| Catalog Number | Figure Number | Ground Wire Range | Bolt Size | Dimensions | | | | | | | Hex Size |
|----------------|---------------|-------------------|-----------|------------|-------|-------|--------|-------|-------|---------|----------|
| | | | | C | D | E | F | G | H | T | |
| * GBL-4 | 1 | 4-14 | 10 | 7/32 | 5/8 | 31/64 | 1-3/32 | 13/64 | 25/64 | 51/64 | Slot |
| + ‡ GBL-4SS | 2 | 4-14 | 10 | 7/32 | 5/8 | 31/64 | 1-3/32 | 13/64 | 25/64 | 51/64 | Slot |
| GBL-1/0 | 2 | 1/0-14 | 1/4 | 9/32 | 51/64 | 27/32 | 1-5/8 | 7/16 | 5/8 | 1-5/32 | Slot |
| GBL-250 | 3 | 250kcmil-6 | 1/4 | 9/32 | 31/64 | 1 | 2-3/16 | 29/64 | 7/8 | 1-23/32 | 7/32 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

UL File E34440

* UL 467 and UL 486A/B Listed

+ UL 467 Listed

‡ GBL-4SS is UL2703 Listed UL E354420 Vol. 2

+ Supplied with stainless steel hardware. Meets ASTM B117-09 and is resistant to outdoor salt spray

DE-OX® oxide inhibitor is recommended for all aluminum terminations

Optional MH Series mounting hardware kits available, consult ILSCO

TYPE
GBT

Features

- Manufactured from high strength 6061-T6 aluminum alloy
- Approved for UL 467 (Grounding & Bonding)
- Lay in style
- No mounting required
- 4 Taps (#2-14) stranded or solid
- Stainless steel screws
- Serrations in conductor wire way
- Patented

Benefits

- For use with copper and aluminum conductors
- Meets NEC 250.94 installation requirements
- Eliminates the need to cut or splice into existing conductor
- Allows fast simple installation on ground conductor below meter
- For bonding multiple communication systems (Phone, TV, Cable, etc.)
- For corrosion resistance
- Cuts oxidation



Fig. 1



Fig. 2

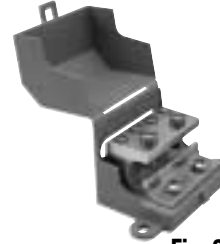


Fig. 3

| Catalog Number | Figure Number | Wire Range Main | Wire Range Tap | Length | Width | Height | Hex Size | |
|----------------|---------------|--------------------------|----------------|--------|-------|--------|----------|-----|
| | | | | | | | Main | Tap |
| GBT-1/0 | 1 | 1/0-8 | 2-14str-sol | 2.250 | 1.125 | 1.160 | S | S |
| GBT-250 | 1 | 250kcmil-8str - 1/0-8sol | 2-14str-sol | 2.250 | 1.375 | 1.587 | 7/32 | S |
| GBT-1/0-M | 2 | 1/0-8 | 2-14str-sol | 2.250 | 1.750 | 1.160 | S | S |
| GBT-1/0-M-W/C | 3 | 1/0-8 | 2-14str-sol | 2.730 | 3.930 | 2.110 | S | S |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E34440

TYPE GH GHS

Features

- Manufactured from copper alloy
- Furnished with silicon bronze bolt, nut, and lock washer
- Mountable for surfaces up to 1/4" thick
- UL 467 Listed for grounding and bonding up to 250kcmil

Benefits

- Provides maximum conductivity
- For clamping conductors to flat surfaces
- Fits standard grounding bus bar and various flat plate metal surfaces
- Suitable for direct burial in earth or concrete

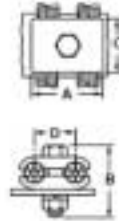


Fig. 1

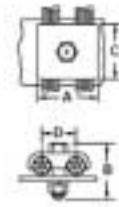


Fig. 2

| Catalog Number | Figure Number | Wire Range | Dimensions - in. (mm) | | | | Bolt Size |
|----------------|---------------|--------------------|-----------------------|--------------|--------------|--------------|-----------|
| | | | A | B | C | D | |
| GH-1* | 1 | 4str-8sol | 1.250 (31.8) | 1.500 (38.1) | 1.375 (34.9) | 0.750 (19.1) | 3/8 |
| GH-2* | 1 | 2/0str-4sol | 1.500 (38.1) | 2.000 (50.8) | 1.625 (41.3) | 1.000 (25.4) | 3/8 |
| GH-3* | 1 | 250kcmil-2/0sol | 2.000 (50.8) | 2.250 (57.2) | 1.750 (44.5) | 1.250 (31.8) | 1/2 |
| GH-4 | 1 | 500kcmil-300kcmil | 2.500 (63.5) | 2.875 (73.0) | 2.000 (50.8) | 1.500 (38.1) | 1/2 |
| GH-5 | 1 | 750kcmil-500kcmil | 3.250 (82.6) | 3.375 (85.7) | 2.375 (60.3) | 1.750 (44.5) | 5/8 |
| GH-6 | 1 | 1000kcmil-750kcmil | 3.625 (92.1) | 3.750 (95.3) | 2.500 (63.5) | 2.000 (50.8) | 5/8 |
| GHS-1* | 2 | 4str-8sol | 1.250 (31.8) | 1.375 (34.9) | 1.375 (34.9) | 0.750 (19.1) | 3/8 |
| GHS-2* | 2 | 2/0str-4sol | 1.500 (38.1) | 1.500 (38.1) | 1.625 (41.3) | 1.000 (25.4) | 3/8 |
| GHS-3* | 2 | 250kcmil-2/0sol | 2.000 (50.8) | 1.875 (47.6) | 1.750 (44.5) | 1.250 (31.8) | 1/2 |
| GHS-4 | 2 | 500kcmil-300kcmil | 2.500 (63.5) | 2.375 (60.3) | 2.000 (50.8) | 1.500 (38.1) | 1/2 |
| GHS-5 | 2 | 750kcmil-500kcmil | 3.250 (82.6) | 2.750 (69.9) | 2.375 (60.3) | 1.750 (44.5) | 5/8 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

*UL File E158587

TYPE
GJ
GJS

Features

- Manufactured from copper alloy
- Furnished with silicon bronze bolt, nut, and lock washer
- Mountable for surfaces up to 1/4" thick
- UL 467 Listed for grounding and bonding up to 250kcmil

Benefits

- Provides maximum conductivity
- For clamping parallel conductors to flat surfaces
- Fits standard grounding bus bar and various flat plate metal surfaces
- Suitable for direct burial in earth or concrete

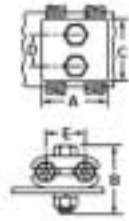


Fig. 1

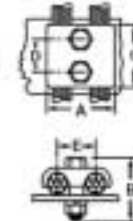


Fig. 2

| Catalog Number | Figure Number | Wire Range | Dimensions - in. (mm) | | | | | Bolt Size |
|----------------|---------------|--------------------|-----------------------|--------------|--------------|--------------|--------------|-----------|
| | | | A | B | C | D | E | |
| GJ-1* | 1 | 4str-8sol | 1.250 (31.8) | 1.500 (38.1) | 2.000 (50.8) | 0.938 (23.8) | 0.750 (19.1) | 3/8 |
| GJ-3* | 1 | 250kcmil-2/0sol | 2.000 (50.8) | 2.250 (57.2) | 2.500 (63.5) | 1.313 (33.3) | 1.313 (33.3) | 1/2 |
| GJS-6 | 2 | 1000kcmil-750kcmil | 3.625 (92.1) | 2.875 (73.0) | 3.000 (76.2) | 1.563 (39.7) | 2.000 (50.8) | 5/8 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
*UL File E158587

TYPE
GM
GMS
GWL

Features

- Manufactured from copper alloy
- Furnished with silicon bronze bolt, nut, and lock washer
- Mountable for surfaces up to 1/4" thick
- UL 467 Listed for grounding and bonding up to 250kcmil as well as UL 486 A/B

Benefits

- Provides maximum conductivity
- For clamping conductors to flat surfaces
- Fits standard grounding bus bar and various flat plate metal surfaces
- Suitable for direct burial in earth or concrete

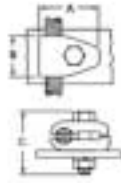


Fig. 1



Fig. 2

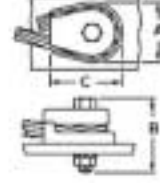


Fig. 3

| Catalog Number | Figure Number | Wire Range | Dimensions - in. (mm) | | | | | | Bolt Size |
|----------------|---------------|--------------------|-----------------------|--------|-------|--------|-------|--------|-----------|
| | | | A | | B | | C | | |
| GM-1 | 1 | 4str-8sol | 1.250 | (31.8) | 1.000 | (25.4) | 1.625 | (41.3) | 3/8 |
| GM-2 | 1 | 2/0str-4sol | 1.625 | (41.3) | 1.125 | (28.6) | 1.750 | (44.5) | 3/8 |
| GM-3 | 1 | 250kcmil-2/0sol | 2.125 | (54.0) | 1.500 | (38.1) | 2.000 | (50.8) | 1/2 |
| GM-4* | 1 | 500kcmil-300kcmil | 2.375 | (60.3) | 1.625 | (41.3) | 2.500 | (63.5) | 1/2 |
| GM-5* | 1 | 750kcmil-500kcmil | 3.000 | (76.2) | 1.750 | (44.5) | 3.000 | (76.2) | 5/8 |
| GM-6* | 1 | 1000kcmil-750kcmil | 3.500 | (88.9) | 1.875 | (47.6) | 3.125 | (79.4) | 5/8 |
| GMS-1 | 2 | 4str-8sol | 1.250 | (31.8) | 1.000 | (25.4) | 1.625 | (41.3) | 3/8 |
| GMS-2 | 2 | 2/0str-4sol | 1.625 | (41.3) | 1.125 | (28.6) | 1.750 | (44.5) | 3/8 |
| GMS-3 | 2 | 250kcmil-2/0sol | 2.125 | (54.0) | 1.500 | (38.1) | 2.000 | (50.8) | 1/2 |
| GMS-4* | 2 | 500kcmil-300kcmil | 2.375 | (60.3) | 1.625 | (41.3) | 2.500 | (63.5) | 1/2 |
| GMS-5* | 2 | 750kcmil-500kcmil | 3.000 | (76.2) | 1.750 | (44.5) | 3.000 | (76.2) | 5/8 |
| GMS-6* | 2 | 1000kcmil-750kcmil | 3.500 | (88.9) | 1.875 | (47.6) | 3.125 | (79.4) | 5/8 |
| GWL-1 | 3 | 4str-8sol | 1.125 | (28.6) | 1.500 | (38.1) | 1.375 | (34.9) | 3/8 |
| GWL-2 | 3 | 4str-8sol | 1.750 | (44.5) | 1.750 | (44.5) | 1.875 | (47.6) | 1/2 |
| GWL-3 | 3 | 2/0str-3str | 1.688 | (42.9) | 2.000 | (50.8) | 1.875 | (47.6) | 3/8 |
| GWL-4 | 3 | 2/0str-3str | 1.813 | (46.0) | 2.125 | (54.0) | 1.875 | (47.6) | 1/2 |
| GWL-5 | 3 | 250kcmil-3/0str | 2.250 | (57.2) | 2.250 | (57.2) | 2.375 | (60.3) | 3/8 |
| GWL-6 | 3 | 250kcmil-3/0str | 2.250 | (57.2) | 2.375 | (60.3) | 2.375 | (60.3) | 1/2 |
| GWL-7 | 3 | 250kcmil-3/0str | 2.250 | (57.2) | 2.500 | (63.5) | 2.375 | (60.3) | 5/8 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

*UL File E158587

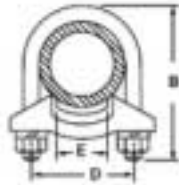
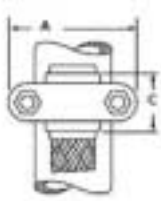
TYPE GO

Features

- Manufactured from copper alloy
- Furnished with silicon bronze U-bolt, nut, and lock washer
- UL 467 Listed for grounding and bonding

Benefits

- Provides maximum conductivity
- For clamping braid, cable or strip to a pipe
- Suitable for direct burial in earth or concrete



C

| Catalog Number | Iron Pipe Size | Dimensions - in. (mm) | | | | | | | | Hex Size |
|----------------|----------------|-----------------------|---------------|--------------|---------------|--------------|--|---|--|----------|
| | | A | | B | | C | | D | | |
| GO-1 | 1 | 2.750 (69.9) | 3.250 (82.6) | 1.250 (31.8) | 1.750 (44.5) | 1.000 (25.4) | | | | 3/8 |
| GO-2 | 1 1/4 | 3.000 (76.2) | 3.500 (88.9) | 1.375 (34.9) | 2.063 (52.4) | 1.000 (25.4) | | | | 3/8 |
| GO-3 | 1 1/2 | 3.375 (85.7) | 3.500 (88.9) | 1.500 (38.1) | 2.375 (60.3) | 1.000 (25.4) | | | | 3/8 |
| GO-4 | 1 1/2 | 3.375 (85.7) | 3.500 (88.9) | 1.500 (38.1) | 2.375 (60.3) | 1.500 (38.1) | | | | 3/8 |
| GO-4A | 1 1/2 | 3.375 (85.7) | 3.500 (88.9) | 1.500 (38.1) | 2.375 (60.3) | 2.000 (50.8) | | | | 1/2 |
| GO-5 | 2 | 3.750 (95.3) | 4.250 (108.0) | 1.500 (38.1) | 2.813 (71.4) | 1.000 (25.4) | | | | 3/8 |
| GO-6 | 2 | 3.750 (95.3) | 4.250 (108.0) | 1.500 (38.1) | 2.813 (71.4) | 1.500 (38.1) | | | | 3/8 |
| GO-7 | 2 | 4.000 (101.6) | 4.375 (111.1) | 1.750 (44.5) | 2.938 (74.6) | 2.000 (50.8) | | | | 1/2 |
| GO-8 | 2 1/2 | 4.500 (114.3) | 5.000 (127.0) | 1.875 (47.6) | 3.438 (87.3) | 2.000 (50.8) | | | | 1/2 |
| GO-9 | 2 1/2 | 4.500 (114.3) | 5.000 (127.0) | 2.000 (50.8) | 3.438 (87.3) | 2.500 (63.5) | | | | 1/2 |
| GO-10 | 3 | 5.250 (133.4) | 6.250 (158.8) | 2.000 (50.8) | 4.063 (103.2) | 2.000 (50.8) | | | | 1/2 |
| GO-11 | 3 | 5.250 (133.4) | 6.250 (158.8) | 2.000 (50.8) | 4.063 (103.2) | 2.500 (63.5) | | | | 1/2 |
| GO-12 | 3 | 5.250 (133.4) | 6.250 (158.8) | 2.000 (50.8) | 4.063 (103.2) | 3.000 (76.2) | | | | 1/2 |
| GO-13 | 3 1/2 | 5.750 (146.1) | 5.875 (149.2) | 2.250 (57.2) | 4.563 (115.9) | 2.000 (50.8) | | | | 1/2 |
| GO-14 | 3 1/2 | 5.750 (146.1) | 5.875 (149.2) | 2.250 (57.2) | 4.563 (115.9) | 2.500 (63.5) | | | | 1/2 |
| GO-15 | 3 1/2 | 5.750 (146.1) | 5.875 (149.2) | 2.250 (57.2) | 4.563 (115.9) | 3.000 (76.2) | | | | 1/2 |
| GO-16 | 4 | 6.250 (158.8) | 6.500 (165.1) | 2.250 (57.2) | 5.063 (128.6) | 2.000 (50.8) | | | | 1/2 |
| GO-18 | 4 | 6.250 (158.8) | 6.500 (165.1) | 2.500 (63.5) | 5.063 (128.6) | 3.000 (76.2) | | | | 1/2 |
| GO-19 | 4 | 6.250 (158.8) | 6.500 (165.1) | 2.750 (69.9) | 5.063 (128.6) | 3.500 (88.9) | | | | 1/2 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
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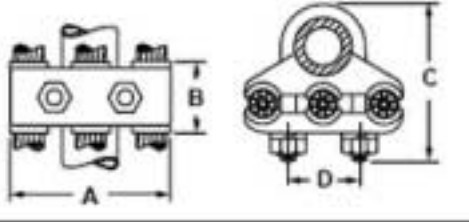
TYPE GR

Features

- Manufactured from copper alloy
- Furnished with silicon bronze U-bolt, nut, and lock washer
- Multi-functional body design
- UL 467 Listed for grounding and bonding up to 250kcmil

Benefits

- Provides maximum conductivity
- For clamping parallel cable or wires to pipe or rod in perpendicular orientation
- For clamping three equal size cables to a metal pipe, rod, or post
- Suitable for direct burial in earth or concrete



| Catalog Number | Accommodates | | Wire Range | Dimensions - in. (mm) | | | | | | | | Hex Size |
|----------------|--------------|----------------|-------------------|-----------------------|--------------|---------------|---------------|--|--|--|--|----------|
| | Rod/Post | Iron Pipe Size | | A | B | C | D | | | | | |
| GR-4 | 5/8 or 3/4 | 3/8 | 4str-8sol | 2.750 (69.9) | 1.500 (38.1) | 2.500 (63.5) | 1.125 (28.6) | | | | | 3/8 |
| GR-5 | 5/8 or 3/4 | 3/8 | 2/0str-4sol | 3.000 (76.2) | 1.500 (38.1) | 2.750 (69.9) | 1.125 (28.6) | | | | | 3/8 |
| GR-6 | 5/8 or 3/4 | 3/8 | 250kcmil-2/0sol | 3.500 (88.9) | 1.625 (41.3) | 3.000 (76.2) | 1.125 (28.6) | | | | | 3/8 |
| GR-7* | 5/8 or 3/4 | 3/8 | 500kcmil-300kcmil | 4.000 (101.6) | 1.625 (41.3) | 3.250 (82.6) | 1.125 (28.6) | | | | | 1/2 |
| GR-9 | 7/8 or 1 | 1/2 or 3/4 | 2/0str-4sol | 3.500 (88.9) | 1.500 (38.1) | 3.250 (82.6) | 1.500 (38.1) | | | | | 3/8 |
| GR-10 | 7/8 or 1 | 1/2 or 3/4 | 250kcmil-2/0sol | 3.875 (98.4) | 1.625 (41.3) | 3.375 (85.7) | 1.500 (38.1) | | | | | 1/2 |
| GR-11* | 7/8 or 1 | 1/2 or 3/4 | 500kcmil-300kcmil | 4.375 (111.1) | 1.625 (41.3) | 3.500 (88.9) | 1.500 (38.1) | | | | | 1/2 |
| GR-14 | - | 1 | 2/0str-4sol | 3.625 (92.1) | 1.500 (38.1) | 3.250 (82.6) | 1.750 (44.5) | | | | | 3/8 |
| GR-15 | - | 1 | 250kcmil-2/0sol | 4.125 (104.8) | 1.625 (41.3) | 3.500 (88.9) | 1.750 (44.5) | | | | | 3/8 |
| GR-16* | - | 1 | 500kcmil-300kcmil | 4.500 (114.3) | 1.625 (41.3) | 3.750 (95.3) | 1.750 (44.5) | | | | | 1/2 |
| GR-20 | - | 1 1/4 | 2/0str-4sol | 4.000 (101.6) | 1.500 (38.1) | 3.750 (95.3) | 2.063 (52.4) | | | | | 3/8 |
| GR-21 | - | 1 1/4 | 250kcmil-2/0sol | 4.500 (114.3) | 1.625 (41.3) | 3.875 (98.4) | 2.063 (52.4) | | | | | 3/8 |
| GR-26 | - | 1 1/2 | 2/0str-4sol | 4.250 (108.0) | 1.500 (38.1) | 4.000 (101.6) | 2.375 (60.3) | | | | | 3/8 |
| GR-27 | - | 1 1/2 | 250kcmil-2/0sol | 4.750 (120.7) | 1.750 (44.5) | 4.250 (108.0) | 2.375 (60.3) | | | | | 3/8 |
| GR-31* | - | 2 | 4str-8sol | 4.375 (111.1) | 1.500 (38.1) | 4.250 (108.0) | 2.813 (71.4) | | | | | 3/8 |
| GR-32* | - | 2 | 2/0str-4sol | 4.875 (123.8) | 1.500 (38.1) | 4.500 (114.3) | 2.813 (71.4) | | | | | 3/8 |
| GR-33* | - | 2 | 250kcmil-2/0sol | 5.250 (133.4) | 1.750 (44.5) | 5.000 (127.0) | 2.813 (71.4) | | | | | 1/2 |
| GR-38* | - | 2 1/2 | 2/0str-4sol | 5.375 (136.5) | 1.500 (38.1) | 5.000 (127.0) | 3.313 (84.1) | | | | | 3/8 |
| GR-39* | - | 2 1/2 | 250kcmil-2/0sol | 5.875 (149.2) | 1.750 (44.5) | 5.250 (133.4) | 3.313 (84.1) | | | | | 1/2 |
| GR-44* | - | 3 | 2/0str-4sol | 6.000 (152.4) | 1.500 (38.1) | 5.625 (142.9) | 3.938 (100.0) | | | | | 3/8 |
| GR-45* | - | 3 | 250kcmil-2/0sol | 6.375 (161.9) | 1.750 (44.5) | 5.750 (146.1) | 3.938 (100.0) | | | | | 1/2 |
| GR-50* | - | 3 1/2 | 2/0str-4sol | 6.375 (161.9) | 1.500 (38.1) | 5.875 (149.2) | 4.438 (112.7) | | | | | 1/2 |
| GR-61* | - | 4 | 2/0str-4sol | 6.688 (169.9) | 1.500 (38.1) | 6.375 (161.9) | 4.938 (125.4) | | | | | 1/2 |
| GR-62* | - | 4 | 250kcmil-2/0sol | 7.250 (184.2) | 1.750 (44.5) | 6.750 (171.5) | 4.938 (125.4) | | | | | 1/2 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

*UL File E158587

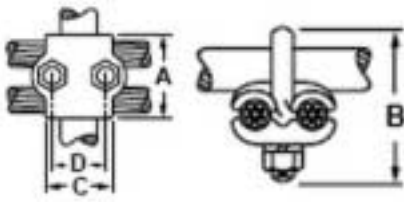
TYPE GT

Features

- Manufactured from copper alloy
- Furnished with silicon bronze nut, and lock washer
- UL 467 Listed for grounding and bonding up to 250kcmil

Benefits

- Provides maximum conductivity
- For clamping parallel cable and wires to pipe or rod in perpendicular orientation
- Suitable for direct burial in earth or concrete



C

| Catalog Number | Accommodates | | Wire Range | Dimensions - in. (mm) | | | | | | | | Bolt Size |
|----------------|--------------|----------------|-------------------|-----------------------|--------|-------|---------|-------|---------|-------|---------|-----------|
| | Rod | Iron Pipe Size | | A | B | C | D | | | | | |
| GT-1* | 1/2 | 1/4 | 4str-8sol | 1.625 | (41.3) | 2.000 | (50.8) | 1.625 | (41.3) | 1.000 | (25.4) | 3/8 |
| GT-3* | 1/2 | 1/4 | 250kcmil-2/0sol | 2.500 | (63.5) | 2.250 | (57.2) | 1.875 | (47.6) | 1.000 | (25.4) | 3/8 |
| GT-4* | 5/8 or 3/4 | 3/8 | 4str-8sol | 1.625 | (41.3) | 2.125 | (54.0) | 1.625 | (41.3) | 1.125 | (28.6) | 3/8 |
| GT-5* | 5/8 or 3/4 | 3/8 | 2/0str-4sol | 2.000 | (50.8) | 2.500 | (63.5) | 1.750 | (44.5) | 1.125 | (28.6) | 3/8 |
| GT-6* | 5/8 or 3/4 | 3/8 | 250kcmil-2/0sol | 2.500 | (63.5) | 2.625 | (66.7) | 1.875 | (47.6) | 1.125 | (28.6) | 3/8 |
| GT-7 | 5/8 or 3/4 | 3/8 | 500kcmil-300kcmil | 2.750 | (69.9) | 2.750 | (69.9) | 2.000 | (50.8) | 1.125 | (28.6) | 3/8 |
| GT-8* | 7/8 or 1 | 1/2 or 3/4 | 4str-8sol | 1.625 | (41.3) | 2.500 | (63.5) | 1.625 | (41.3) | 1.500 | (38.1) | 3/8 |
| GT-9* | 7/8 or 1 | 1/2 or 3/4 | 2/0str-4sol | 2.000 | (50.8) | 2.750 | (69.9) | 1.750 | (44.5) | 1.500 | (38.1) | 3/8 |
| GT-10* | 7/8 or 1 | 1/2 or 3/4 | 250kcmil-2/0sol | 2.500 | (63.5) | 2.875 | (73.0) | 1.875 | (47.6) | 1.500 | (38.1) | 3/8 |
| GT-13* | - | 1 | 4str-8sol | 1.625 | (41.3) | 2.750 | (69.9) | 1.625 | (41.3) | 1.750 | (44.5) | 3/8 |
| GT-14* | - | 1 | 2/0str-4sol | 2.000 | (50.8) | 3.000 | (76.2) | 1.750 | (44.5) | 1.750 | (44.5) | 3/8 |
| GT-15* | - | 1 | 250kcmil-2/0sol | 2.500 | (63.5) | 3.875 | (98.4) | 3.125 | (79.4) | 1.750 | (44.5) | 3/8 |
| GT-18* | - | 1 1/4 | 4str-8sol | 1.625 | (41.3) | 3.000 | (76.2) | 1.875 | (47.6) | 2.063 | (52.4) | 3/8 |
| GT-19* | - | 1 1/4 | 2/0str-4sol | 2.000 | (50.8) | 3.250 | (82.6) | 2.000 | (50.8) | 2.063 | (52.4) | 3/8 |
| GT-20* | - | 1 1/4 | 250kcmil-2/0sol | 2.500 | (63.5) | 3.500 | (88.9) | 2.125 | (54.0) | 2.063 | (52.4) | 3/8 |
| GT-25* | - | 1 1/2 | 2/0str-4sol | 2.000 | (50.8) | 3.500 | (88.9) | 2.375 | (60.3) | 2.375 | (60.3) | 3/8 |
| GT-26* | - | 1 1/2 | 250kcmil-2/0sol | 2.500 | (63.5) | 3.875 | (98.4) | 2.500 | (63.5) | 2.375 | (60.3) | 3/8 |
| GT-30* | - | 2 | 4str-8sol | 1.750 | (44.5) | 3.875 | (98.4) | 2.750 | (69.9) | 2.813 | (71.4) | 3/8 |
| GT-31* | - | 2 | 2/0str-4sol | 2.000 | (50.8) | 4.125 | (104.8) | 2.875 | (73.0) | 2.813 | (71.4) | 3/8 |
| GT-32* | - | 2 | 250kcmil-2/0sol | 2.625 | (66.7) | 4.250 | (108.0) | 3.000 | (76.2) | 2.813 | (71.4) | 3/8 |
| GT-37* | - | 2 1/2 | 2/0str-4sol | 2.000 | (50.8) | 4.500 | (114.3) | 3.375 | (85.7) | 3.313 | (84.1) | 3/8 |
| GT-38* | - | 2 1/2 | 250kcmil-2/0sol | 2.625 | (66.7) | 4.750 | (120.7) | 3.500 | (88.9) | 3.313 | (84.1) | 3/8 |
| GT-43* | - | 3 | 2/0str-4sol | 2.000 | (50.8) | 5.250 | (133.4) | 3.750 | (95.3) | 3.938 | (100.0) | 3/8 |
| GT-44* | - | 3 | 250kcmil-2/0sol | 2.625 | (66.7) | 5.500 | (139.7) | 3.750 | (95.3) | 3.938 | (100.0) | 3/8 |
| GT-49* | - | 3 1/2 | 2/0str-4sol | 2.000 | (50.8) | 5.875 | (149.2) | 3.875 | (98.4) | 4.438 | (112.7) | 3/8 |
| GT-50* | - | 3 1/2 | 250kcmil-2/0sol | 2.625 | (66.7) | 6.125 | (155.6) | 4.000 | (101.6) | 4.438 | (112.7) | 3/8 |
| GT-55* | - | 4 | 250kcmil-2/0sol | 2.625 | (66.7) | 6.500 | (165.1) | 4.750 | (120.7) | 4.938 | (125.4) | 3/8 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

*UL File E158587

PermaGround™ Ground Clamp Connectors

Transformer Ground Clamps

TYPE GSE HGSE

Features

- Manufactured from copper alloy
- Supplied with steel nuts and lock washers
- Range taking
- HGSE parts provide parallel and perpendicular conductor connection
- HGSE parts provide a hex or square shoulder

Benefits

- Provides maximum conductivity
- For clamping conductors to flat surfaces, acts as a seal to a transformer tank
- Minimizes inventory
- Efficient installation and flexibility in the field
- Accommodates wrench for tightening

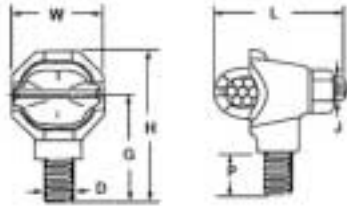


Fig. 1



Fig. 2

| Catalog Number | Figure Number | Wire Range | Dimensions - in. (mm) | | | | | Stud Size D | Eye Bolt J |
|----------------|---------------|---------------|-----------------------|---------------|---------------|---------------|---------------|-------------|------------|
| | | | G | H | L | P | W | | |
| GSE-C1 | 1 | 1str-10sol | 0.813 (20.64) | 1.250 (31.75) | 1.500 (38.10) | 0.438 (11.11) | 0.875 (22.23) | 1/2-13 | 3/8-16 |
| HGSE-C1* | 2 | 1str-10sol | 1.188 (30.16) | 1.750 (44.45) | 1.969 (50.01) | 0.438 (11.11) | 1.125 (28.58) | 1/2-13 | 3/8-16 |
| HGSE-020* | 2 | 2/0str-8sol | 1.313 (33.34) | 1.938 (49.21) | 2.000 (50.80) | 0.438 (11.11) | 1.250 (31.75) | 1/2-13 | 3/8-16 |
| HGSE-250* | 2 | 250kcmil-6sol | 1.188 (30.16) | 2.125 (53.98) | 2.625 (66.68) | 0.469 (11.91) | 1.875 (47.63) | 1/2-13 | 1/2-13 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

*Designates two-way basket

PermaGround™ Ground Clamp Connectors

Two Cables/One Looped Cable to Pipe

Pipe Range: 3/4" - 2"

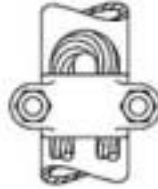
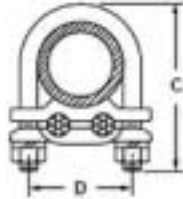
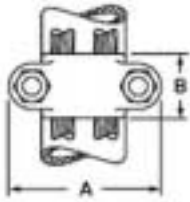
TYPE GU

Features

- Manufactured from copper alloy
- For parallel copper conductor connections to pipes
- Silicon bronze hardware
- Specially designed spacer
- UL 467 Listed for grounding and bonding up to 250kcmil

Benefits

- Provides maximum conductivity
- Efficient installation and flexibility in the field
- Corrosion resistant for longevity
- Enables conductor alignment and positive contact
- Suitable for direct burial in earth or concrete



C

| Catalog Number | Iron Pipe Size | Wire Range | Dimensions - in. (mm) | | | | | | | | Bolt Size |
|----------------|----------------|-------------------|-----------------------|---------|-------|--------|-------|---------|-------|--------|-----------|
| | | | A | | B | | C | | D | | |
| GU-0* | 3/4 | 4str-8sol | 2.500 | (63.5) | 0.875 | (22.2) | 2.625 | (66.7) | 1.500 | (38.1) | 3/8 |
| GU-1* | 1 | 4str-8sol | 2.750 | (69.9) | 1.125 | (28.6) | 3.000 | (76.2) | 1.750 | (44.5) | 3/8 |
| GU-2* | 1 | 2/0str-4sol | 2.750 | (69.9) | 1.125 | (28.6) | 3.250 | (82.6) | 1.750 | (44.5) | 3/8 |
| GU-3* | 1 | 250kcmil-2/0sol | 2.750 | (69.9) | 1.250 | (31.8) | 3.500 | (88.9) | 1.750 | (44.5) | 3/8 |
| GU-4* | 1 1/4 | 4str-8sol | 3.000 | (76.2) | 1.125 | (28.6) | 3.250 | (82.6) | 2.063 | (52.4) | 3/8 |
| GU-6* | 1 1/4 | 250kcmil-2/0sol | 3.000 | (76.2) | 1.375 | (34.9) | 3.750 | (95.3) | 2.063 | (52.4) | 3/8 |
| GU-7* | 1 1/2 | 4str-8sol | 3.375 | (85.7) | 1.250 | (31.8) | 3.500 | (88.9) | 2.375 | (60.3) | 3/8 |
| GU-8* | 1 1/2 | 2/0str-4sol | 3.375 | (85.7) | 1.375 | (34.9) | 3.625 | (92.1) | 2.375 | (60.3) | 3/8 |
| GU-9* | 1 1/2 | 250kcmil-2/0sol | 3.375 | (85.7) | 1.500 | (38.1) | 3.750 | (95.3) | 2.375 | (60.3) | 3/8 |
| GU-10* | 2 | 4str-8sol | 3.750 | (95.3) | 1.375 | (34.9) | 3.875 | (98.4) | 2.813 | (71.4) | 3/8 |
| GU-11* | 2 | 2/0str-4sol | 3.750 | (95.3) | 1.375 | (34.9) | 4.125 | (104.8) | 2.813 | (71.4) | 3/8 |
| GU-12* | 2 | 250kcmil-2/0sol | 3.750 | (95.3) | 1.375 | (34.9) | 4.250 | (108.0) | 2.813 | (71.4) | 3/8 |
| GU-13 | 2 | 500kcmil-300kcmil | 4.000 | (101.6) | 1.500 | (38.1) | 4.625 | (117.5) | 2.938 | (74.6) | 1/2 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

*UL File E158587

PermaGround™ Ground Clamp Connectors

Two Cables/One Looped Cable to Pipe

Pipe Range: 2-1/2" – 4"

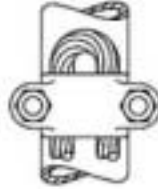
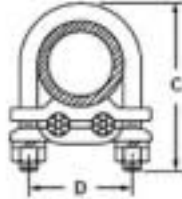
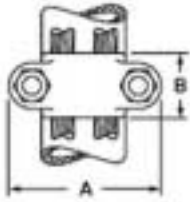
TYPE GU

Features

- Manufactured from copper alloy
- For parallel copper conductor connections to pipes
- Silicon bronze hardware
- Specially designed spacer
- UL 467 Listed for grounding and bonding up to 250kcmil

Benefits

- Provides maximum conductivity
- Efficient installation and flexibility in the field
- Corrosion resistant for longevity
- Enables conductor alignment and positive contact
- Suitable for direct burial in earth or concrete



C

| Catalog Number | Iron Pipe Size | Wire Range | Dimensions - in. (mm) | | | | | | | | Bolt Size |
|----------------|----------------|-------------------|-----------------------|---------|-------|--------|-------|---------|-------|---------|-----------|
| | | | A | | B | | C | | D | | |
| GU-14* | 2 1/2 | 4str-8sol | 4.250 | (108.0) | 1.375 | (34.9) | 5.000 | (127.0) | 3.313 | (84.1) | 3/8 |
| GU-15* | 2 1/2 | 2/0str-4sol | 4.250 | (108.0) | 1.375 | (34.9) | 5.125 | (130.2) | 3.313 | (84.1) | 3/8 |
| GU-16* | 2 1/2 | 250kcmil-2/0sol | 4.250 | (108.0) | 1.375 | (34.9) | 5.250 | (133.4) | 3.313 | (84.1) | 3/8 |
| GU-17 | 2 1/2 | 500kcmil-300kcmil | 4.500 | (114.3) | 1.500 | (38.1) | 5.500 | (139.7) | 3.438 | (87.3) | 1/2 |
| GU-19* | 3 | 4str-8sol | 5.000 | (127.0) | 1.375 | (34.9) | 5.250 | (133.4) | 3.938 | (100.0) | 3/8 |
| GU-20* | 3 | 2/0str-4sol | 5.000 | (127.0) | 1.375 | (34.9) | 5.500 | (139.7) | 3.938 | (100.0) | 3/8 |
| GU-21* | 3 | 250kcmil-2/0sol | 5.000 | (127.0) | 1.375 | (34.9) | 5.750 | (146.1) | 3.938 | (100.0) | 3/8 |
| GU-22 | 3 | 500kcmil-300kcmil | 5.250 | (133.4) | 1.500 | (38.1) | 6.000 | (152.4) | 4.063 | (103.2) | 1/2 |
| GU-25* | 3 1/2 | 4str-8sol | 5.500 | (139.7) | 1.500 | (38.1) | 6.000 | (152.4) | 4.438 | (112.7) | 3/8 |
| GU-26* | 3 1/2 | 2/0str-4sol | 5.500 | (139.7) | 1.500 | (38.1) | 6.125 | (155.6) | 4.438 | (112.7) | 3/8 |
| GU-27* | 3 1/2 | 250kcmil-2/0sol | 5.500 | (139.7) | 1.500 | (38.1) | 6.250 | (158.8) | 4.438 | (112.7) | 3/8 |
| GU-28 | 3 1/2 | 500kcmil-300kcmil | 5.750 | (146.1) | 1.750 | (44.5) | 6.375 | (161.9) | 4.563 | (115.9) | 1/2 |
| GU-31* | 4 | 4str-8sol | 6.000 | (152.4) | 1.500 | (38.1) | 6.500 | (165.1) | 4.938 | (125.4) | 3/8 |
| GU-32* | 4 | 2/0str-4sol | 6.000 | (152.4) | 1.500 | (38.1) | 6.750 | (171.5) | 4.938 | (125.4) | 3/8 |
| GU-33* | 4 | 250kcmil-2/0sol | 6.000 | (152.4) | 1.625 | (41.3) | 7.000 | (177.8) | 4.938 | (125.4) | 3/8 |
| GU-34 | 4 | 500kcmil-300kcmil | 6.250 | (158.8) | 1.625 | (41.3) | 7.250 | (184.2) | 5.063 | (128.6) | 1/2 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

*UL File E158587

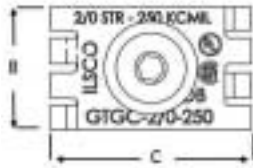
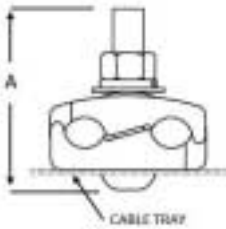
TYPE GTGC

Features

- Manufactured from tin plated high strength copper alloy
- Furnished with stainless steel bolt, nut, and lock washer
- Internal hex drive
- Accommodates multiple rebar sizes
- May be mounted to an aluminum or galvanized steel cable tray
- UL 467 Listed for grounding and bonding

Benefits

- Provides maximum conductivity and corrosion resistance
- For clamping two parallel conductors to a cable tray
- Easy installation
- Suitable for grounding to rebar
- Installation flexibility
- Suitable for direct burial in earth or concrete



C

| Catalog Number | Wire Range | Dimensions - in. (mm) | | | Rebar Sizes | Internal Hex Size | Hex Size |
|----------------|-----------------|-----------------------|--------------|--------------|---------------|-------------------|----------|
| | | A | B | C | | | |
| GTGC-6-1/0 | 1/0str-6sol | 2.199 (55.9) | 1.150 (29.2) | 1.491 (37.9) | 3/8, 1/2, 5/8 | 7/32 | 3/8 |
| GTGC-2-2/0 | 2/0str-2sol | 2.199 (55.9) | 1.150 (29.2) | 1.734 (44.0) | 3/8, 1/2 | 7/32 | 3/8 |
| GTGC-2/0-250 | 250kcmil-2/0str | 2.199 (55.9) | 1.150 (29.2) | 1.875 (47.6) | 3/8 | 7/32 | 3/8 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Note: Bolt head is mounted inside of wall of cable tray to avoid damaging the cable insulation

When used on aluminum conductors, the cable must be scratch brushed and a joint compound must be used on the cable and the connector

UL File E34440

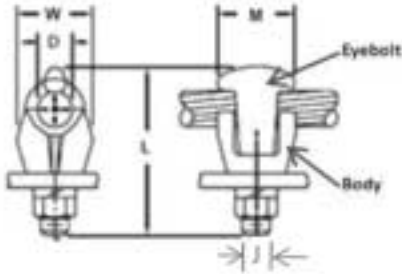
TYPE
LS
LSN

Features

- Body is manufactured from copper alloy
- Eye-bolts are made from an aluminum bronze alloy
- Available in two mounting surface thickness ranges

Benefits

- Provides maximum conductivity
- Offers maximum strength
- Mountable to flat studs or spades on equipment as well as grounding conductor to steel substation structures



C

| Catalog Number | Wire Range | Dimensions - in. (mm) | | | | | | | | Hex Size | |
|----------------|------------------|-----------------------|---------|-------|---------|-------|--------|-------|--------|----------|------|
| | | D | | L | | M | | W | | | J |
| LSN-2/0N* | 2/0str-8sol | 0.438 | (11.1) | 2.375 | (60.3) | 1.375 | (34.9) | 1.000 | (25.4) | 1/2 | 3/4 |
| LSN-025N* | 250kcmil-6sol | 0.625 | (15.9) | 2.563 | (65.1) | 1.250 | (31.8) | 1.063 | (27.0) | 1/2 | 3/4 |
| LSN-035N* | 350kcmil-2sol | 0.813 | (20.6) | 3.063 | (77.8) | 1.250 | (31.8) | 1.313 | (33.3) | 1/2 | 3/4 |
| LS-C1E+ | 1str-10sol | 0.344 | (8.73) | 2.375 | (60.3) | 1.063 | (27.0) | 0.875 | (22.2) | 3/8 | 9/16 |
| LSN-025NE+ | 250kcmil-6sol | 0.625 | (15.88) | 3.063 | (77.8) | 1.250 | (31.8) | 1.063 | (27.0) | 1/2 | 3/4 |
| LSN-035NE+ | 350kcmil-2sol | 0.813 | (20.64) | 3.313 | (84.1) | 1.250 | (31.8) | 1.313 | (33.3) | 1/2 | 3/4 |
| LSN-100NE+ | 1000kcmil-2/0sol | 1.250 | (31.75) | 4.500 | (114.3) | 1.719 | (43.7) | 1.688 | (42.9) | 1/2 | 3/4 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

"N" in prefix qualifies terminal for mounting on NEMA pads

"N" in suffix qualifies eye-bolt opening to NEMA

*Up to a 1/4" mounting surface

+1/4" to 3/4" mounting surface

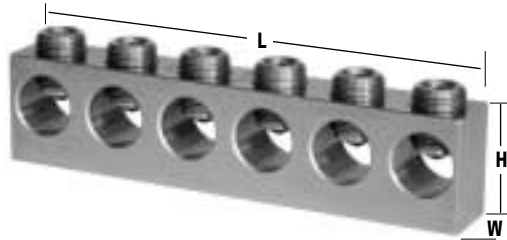
TYPE PED-Z

Features

- Available in two, four, six, or eight conductor configurations in four wire ranges
- Manufactured from high strength 6061-T6 aluminum alloy
- Compact size
- Rated for 600 volts, 90° C

Benefits

- Provides multiple conductor installation for a wide range of conductors
- Suitable for use with either copper or aluminum conductors
- Suitable for pedestal applications



C

| Catalog Number | Connector Design | Number Of Ports | Wire Range | Dimensions | | | Hex Size |
|----------------|------------------|-----------------|------------|------------|------|------|----------|
| | | | | L | W | H | |
| PED-2-2/0-Z | | 2 | 2/0-14 | 2.09 | .56 | .73 | 3/16 |
| PED-4-2/0-Z | | 4 | 2/0-14 | 3.78 | .56 | .73 | 3/16 |
| PED-6-2/0-Z | | 6 | 2/0-14 | 5.46 | .56 | .73 | 3/16 |
| PED-8-2/0-Z | | 8 | 2/0-14 | 7.15 | .56 | .73 | 3/16 |
| PED-2-4/0-Z | | 2 | 4/0-6 | 1.78 | .75 | 1.00 | 5/16 |
| PED-4-4/0-Z | | 4 | 4/0-6 | 3.64 | .75 | 1.00 | 5/16 |
| PED-6-4/0-Z | | 6 | 4/0-6 | 5.50 | .75 | 1.00 | 5/16 |
| PED-8-4/0-Z | | 8 | 4/0-6 | 7.36 | .75 | 1.00 | 5/16 |
| PED-2-350-Z | | 2 | 350kcmil-6 | 2.22 | 1.00 | 1.25 | 5/16 |
| PED-4-350-Z | | 4 | 350kcmil-6 | 4.53 | 1.00 | 1.25 | 5/16 |
| PED-6-350-Z | | 6 | 350kcmil-6 | 6.84 | 1.00 | 1.25 | 5/16 |
| PED-8-350-Z | | 8 | 350kcmil-6 | 9.15 | 1.00 | 1.25 | 5/16 |
| PED-2-600-Z | | 2 | 600kcmil-4 | 2.47 | 1.25 | 1.63 | 3/8 |
| PED-4-600-Z | | 4 | 600kcmil-4 | 5.03 | 1.25 | 1.63 | 3/8 |
| PED-6-600-Z | | 6 | 600kcmil-4 | 7.59 | 1.25 | 1.63 | 3/8 |
| PED-8-600-Z | | 8 | 600kcmil-4 | 10.16 | 1.25 | 1.63 | 3/8 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Covers not available. DE-OX Inhibitor is recommended for all aluminum terminations.

TYPE
PED-X
PSA-Z
PEC

Features

- Available in four, six, or eight conductor configurations in four wire ranges
- Plastisol insulating cover available with a nominal thickness of 156 Mils
- Manufactured from high strength 6061-T6 aluminum alloy
- Compact size

Benefits

- Provides multiple conductor installation for a wide range of conductors
- Eliminates the need for taping. Plastisol covers have dielectric strength of 120 volts per Mil
- Suitable for use with either copper or aluminum conductors
- Suitable for pedestal applications

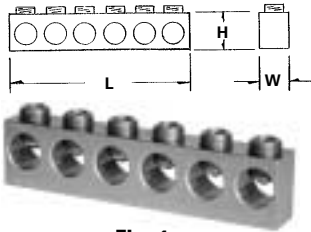


Fig. 1

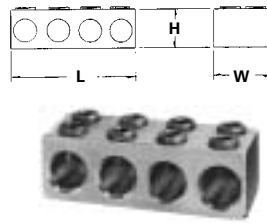


Fig. 2



C

| Catalog Number | Figure Number | Wire Range | No. of Cond. | Dimensions | | | Hex Size | Recommended Torque | Insulating Cover |
|----------------|---------------|--------------|--------------|------------|---|-------|----------|--------------------|------------------|
| | | | | L | W | H | | | |
| PED-4-350-X | 1 | 350kcmil-10 | 4 | 3-7/8 | 1 | 1-3/8 | 5/16 | 350 | PEC-4-350 |
| PED-6-350-X | 1 | 350kcmil-10 | 6 | 5-11/16 | 1 | 1-3/8 | 5/16 | 350 | PEC-6-350 |
| PED-8-350-X | 1 | 350kcmil-10 | 8 | 7-1/2 | 1 | 1-3/8 | 5/16 | 350 | PEC-8-350 |
| PED-4-500-X | 1 | 500kcmil-10 | 4 | 4-3/4 | 1 | 1-5/8 | 5/16 | 450 | PEC-4-500 |
| PED-6-500-X | 1 | 500kcmil-10 | 6 | 7-1/4 | 1 | 1-5/8 | 5/16 | 450 | PEC-6-500 |
| PED-8-500-X | 1 | 500kcmil-10 | 8 | 9-11/16 | 1 | 1-5/8 | 5/16 | 450 | PEC-8-500 |
| PSA-4-750-Z | 2 | 750kcmil-1/0 | 4 | 6-9/16 | 2 | 2-1/2 | 3/8 | 500 | PSC-4-750 |
| PSA-6-750-Z | 2 | 750kcmil-1/0 | 6 | 9-7/8 | 2 | 2-1/2 | 3/8 | 500 | PSC-6-750 |
| PSA-8-750-Z | 2 | 750kcmil-1/0 | 8 | 13-3/16 | 2 | 2-1/2 | 3/8 | 500 | PSC-8-750 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Inhibitor is recommended for all aluminum terminations.

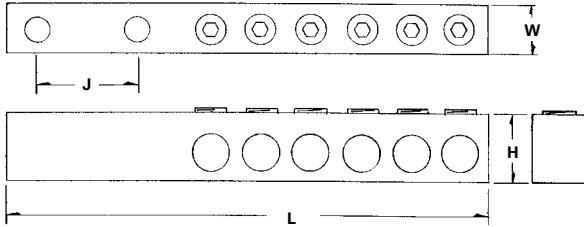
TYPE PET

Features

- Available in four, six, or eight conductor configurations in four wire ranges
- Predrilled 1/2" mounting holes
- Manufactured from high strength 6061-T6 aluminum alloy

Benefits

- Provides multiple conductor installation for a wide range of conductors
- Allows easy attachment. May be bolted back to back for heavy duty applications
- Suitable for use with either copper or aluminum conductors



C

| Catalog Number | Wire Range | Number of Conductors | Bolt Size | Diameter of Mounting Hole | Dimensions | | | | Hex Size | Recommended Torque-Inch Lbs. |
|----------------|--------------|----------------------|-----------|---------------------------|------------|-------|--------|----------|----------|------------------------------|
| | | | | | H | J | W | L | | |
| PET-4-350-Z | 350kcmil-10 | 4 | 1/2 | 9/16 | 1-3/8 | 1-3/4 | 1 | 6-7/8 | 5/16 | 350 |
| PET-6-350-Z | 350kcmil-10 | 6 | 1/2 | 9/16 | 1-3/8 | 1-3/4 | 1 | 8-11/16 | 5/16 | 350 |
| PET-8-350-Z | 350kcmil-10 | 8 | 1/2 | 9/16 | 1-3/8 | 1-3/4 | 1 | 10-1/2 | 5/16 | 350 |
| PET-4-500-Z | 500kcmil-2 | 4 | 1/2 | 9/16 | 1-5/8 | 1-3/4 | 1 | 7-15/16 | 5/16 | 450 |
| PET-6-500-Z | 500kcmil-2 | 6 | 1/2 | 9/16 | 1-1/8 | 1-3/4 | 1 | 10-3/16 | 5/16 | 450 |
| PET-8-500-Z | 500kcmil-2 | 8 | 1/2 | 9/16 | 1-5/8 | 1-3/4 | 1 | 12-7/16 | 5/16 | 450 |
| PET-4-750-Z | 750kcmil-1/0 | 4 | 1/2 | 9/16 | 1-3/4 | 1-3/4 | 1-3/16 | 8-11/16 | 3/8 | 500 |
| PET-6-750-Z | 750kcmil-1/0 | 6 | 1/2 | 9/16 | 1-3/4 | 1-3/4 | 1-3/16 | 11-15/16 | 3/8 | 500 |
| PET-8-750-Z | 750kcmil-1/0 | 8 | 1/2 | 9/16 | 1-3/4 | 1-3/4 | 1-3/16 | 13-15/16 | 3/8 | 500 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Inhibitor is recommended for all aluminum terminations.

Aluminum Multi-Tap Adaptor Lugs Dual Rated - (Pole Type Transformer Lugs)

TYPE PTT

Features

- Connector manufactured from high strength 6061-T6 aluminum alloy
- Stud manufactured from electrolytic pure copper rod
- Two conductor ports
- Range taking
- Left or Right handed
- Clear Plated

Benefits

- Suitable for use with either copper or aluminum conductors
- Provides maximum conductivity and can be used on equipment with copper or aluminum connectors
- Allows parallel conductors to be connected to pole type transformers
- A wide range of conductor sizes can be used in each connector
- Provides ease of installation
- Provides low contact resistance

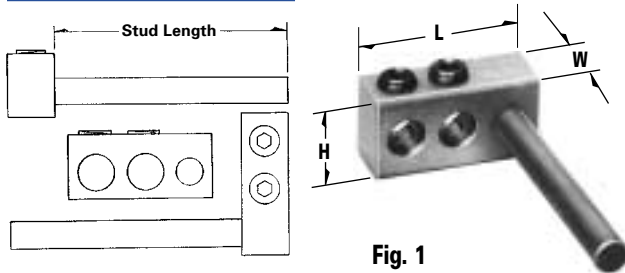


Fig. 1

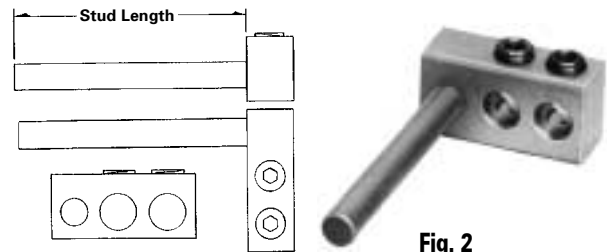


Fig. 2

| Catalog Number | Figure Number | Wire Range | Number of Conductors | Copper Stud Diameter | Stud Length | Hex Size | Dimensions | | | Recommended Torque-Inch Lbs. |
|----------------|---------------|-------------|----------------------|----------------------|-------------|----------|------------|------|------|------------------------------|
| | | | | | | | L | W | H | |
| PTT-2R-0-Z | 1 | 1/0-14 | 2 | 3/8 | 3" | 3/16 | 1.87 | .75 | 1.00 | 200 |
| PTT-2L-0-Z | 2 | 1/0-14 | 2 | 3/8 | 3" | 3/16 | 1.87 | .75 | 1.00 | 200 |
| PTT-2R-250-Z | 1 | 250kcmil-10 | 2 | 1/2 | 4" | 5/16 | 2.39 | .90 | 1.12 | 300 |
| PTT-2L-250-Z | 2 | 250kcmil-10 | 2 | 1/2 | 4" | 5/16 | 2.39 | .90 | 1.12 | 300 |
| PTT-2R-350-Z | 1 | 350kcmil-10 | 2 | 5/8 | 4" | 5/16 | 3.25 | 1.25 | 1.25 | 350 |
| PTT-2L-350-Z | 2 | 350kcmil-10 | 2 | 5/8 | 4" | 5/16 | 3.25 | 1.25 | 1.25 | 350 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Inhibitor is recommended for all aluminum terminations.

C

TYPE NB

Features

- Preassembled, stacked neutral bars
- Available with phenolic base
- Electro-tin plated
- Fabricated from high strength 6061-T6 aluminum alloy

Benefits

- Compact, space saving design offers multiple range taking flexibility and is suitable for grounding applications
- Provides insulation from mounting surface
- Provides low contact resistance
- Suitable for use with either copper or aluminum conductors

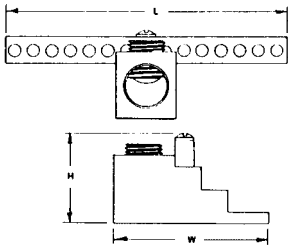


Fig. 1



Fig. 2

| Catalog Number | Figure Number | Number Of Circuit Taps | Wire Range | | Dimensions | | | Two Tapped Mounting Holes | Hex Size | |
|------------------|---------------|------------------------|--------------|------------|-------------------------------|---------|---------|---------------------------|----------|------|
| | | | Circuit Taps | Line Loads | Approx. Height with Max. Wire | L | W | | Main | Tap |
| NB-350-12 | 1 | 12 | 14-4 | 350kcmil-6 | 1-17/32 | 4-23/32 | 2-17/32 | 10-32 | 3/8 | Slot |
| NB-350-12-W/R16* | 2 | 12 | 14-4 | 350kcmil-6 | 2-17/32 | 4-23/32 | 2-17/32 | 10-32 | 3/8 | Slot |
| NB-350-24 | 1 | 24 | 14-4 | 350kcmil-6 | 1-17/32 | 4-23/32 | 2-17/32 | 10-32 | 3/8 | Slot |
| NB-350-24-W/R16* | 2 | 24 | 14-4 | 350kcmil-6 | 2-17/32 | 4-23/32 | 2-17/32 | 10-32 | 3/8 | Slot |
| NB-350-30 | 1 | 30 | 14-4 | 350kcmil-6 | 1-17/32 | 4-3/32 | 2-17/32 | 10-32 | 3/8 | Slot |
| NB-350-30-W/R16* | 2 | 30 | 14-4 | 350kcmil-6 | 2-17/32 | 4-3/32 | 2-17/32 | 10-32 | 3/8 | Slot |
| NB-350-36 | 1 | 36 | 14-4 | 350kcmil-6 | 1-17/32 | 4-23/32 | 2-17/32 | 10-32 | 3/8 | Slot |
| NB-350-36-W/R16* | 2 | 36 | 14-4 | 350kcmil-6 | 2-17/32 | 4-23/32 | 2-17/32 | 10-32 | 3/8 | Slot |
| NB-350-42 | 1 | 42 | 14-4 | 350kcmil-6 | 1-17/32 | 5-11/32 | 2-17/32 | 10-32 | 3/8 | Slot |
| NB-350-42-W/R16* | 2 | 42 | 14-4 | 350kcmil-6 | 2-17/32 | 5-11/32 | 2-17/32 | 10-32 | 3/8 | Slot |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* Part includes phenolic mounting block R-16

Tested to UL 486A/B, UL File E6207

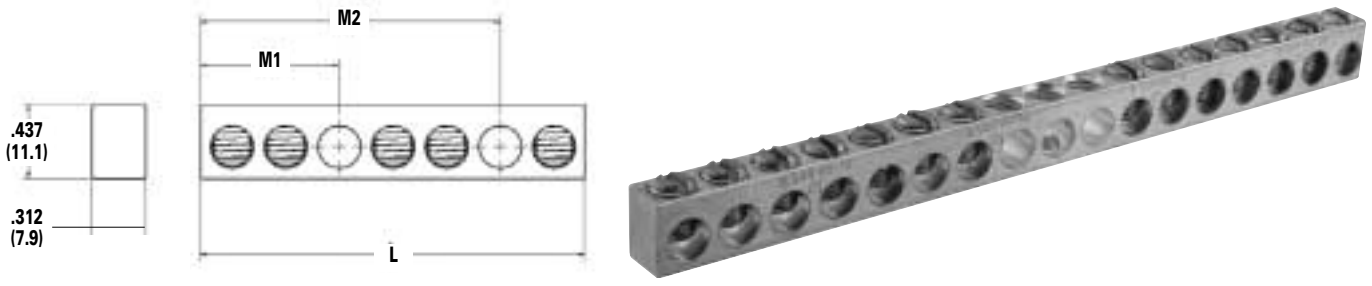
TYPE NBAS

Features

- Manufactured from high strength aluminum alloy
- Electro-tin plated
- Dual rated
- Assemblies available with 2-231 circuits
- UL Recognized for grounding and power, and CSA Certified

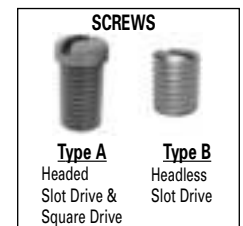
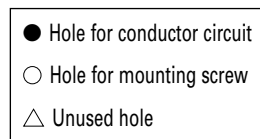
Benefits

- Provides maximum conductivity
- Low contact resistance
- Use with both copper and aluminum conductors
- Application versatility
- Ensures reliability



| Catalog Number | Number of Circuits | Mounting Hole Locations ¹ in. (mm) | | Screw Type | Configuration | Dimensions in. (mm) | |
|----------------|--------------------|---|--------------|------------|---------------|---------------------|----------|
| | | M1 | M2 | | | L | |
| NBAS-002-1-A | 2 | 0.492 (12.5) | - | A | ●○● | 0.984 | (25.0) |
| NBAS-002-1-B | 2 | 0.492 (12.5) | - | B | ●○● | 0.984 | (25.0) |
| NBAS-003-1-A | 3 | 0.804 (20.4) | - | A | ●●○● | 1.296 | (32.9) |
| NBAS-003-1-B | 3 | 0.804 (20.4) | - | B | ●●○● | 1.296 | (32.9) |
| NBAS-004-1-B | 4 | 0.804 (20.4) | - | B | ●●○●● | 1.608 | (40.8) |
| NBAS-004-2-B | 4 | 0.180 (4.6) | 1.740 (44.2) | B | ○●●●●○ | 1.920 | (48.8) |
| NBAS-006-1-B | 6 | 1.116 (28.3) | - | B | ●●●○●● | 2.232 | (56.7) |
| NBAS-008-2-A | 8 | 0.492 (12.5) | 2.676 (68.0) | A | ●○●●●●●○● | 3.168 | (80.5) |
| NBAS-009-2-A | 9 | 0.180 (4.6) | 3.300 (83.8) | A | ○●●●●●●●○△ | 3.792 | (96.3) |
| NBAS-010-1-B | 10 | 2.052 (52.1) | - | B | ●●●●△○△●●●● | 4.104 | (104.2) |
| NBAS-012-1-B | 12 | 2.364 (60.0) | - | B | ●●●●△○△●●●● | 4.728 | (120.1) |
| NBAS-012-2-A | 12 | 1.116 (28.3) | 3.300 (83.8) | A | ●●●○●●●●●○●● | 4.416 | (112.2) |
| NBAS-013-2-A | 13 | 1.116 (28.3) | 3.612 (91.7) | A | ●●●○●●●●●○●● | 4.728 | (120.1) |
| NBAS-014-1-B | 14 | 2.676 (60.0) | - | B | ●●●●△○△●●●● | 5.354 | (136.0) |
| NBAS-192-0-A* | 192 | - | - | A | ● x 192 | 60.000 | (1524.0) |
| NBAS-192-0-B | 192 | - | - | B | ● x 192 | 60.000 | (1524.0) |
| NBAS-231-0-A* | 231 | - | - | A | ● x 231 | 72.000 | (1828.8) |
| NBAS-231-0-B | 231 | - | - | B | ● x 231 | 72.000 | (1828.8) |

¹ Mounting holes have a diameter of 0.203 in. (5.2mm)
 All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
 * Screws are provided unassembled
 Tested to UL 486A/B, UL File E6207 and CSA C22.2 No. 65-03
 Tested to UL 467, UL File E6207



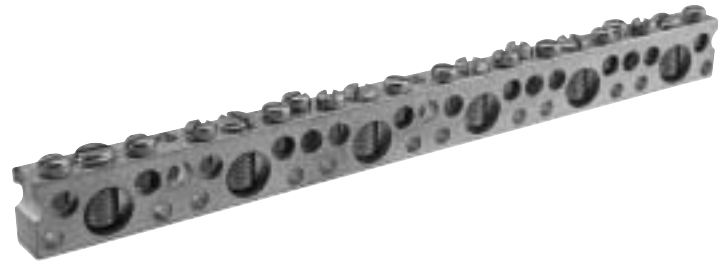
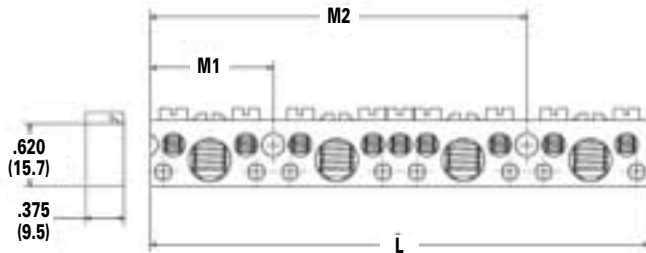
TYPE NBAE

Features

- Manufactured from high strength aluminum alloy
- Electro-tin plated
- Dual rated
- Assemblies available with 6-123 circuits
- UL Recognized for grounding and power, and CSA Certified

Benefits

- Provides maximum conductivity
- Low contact resistance
- Use with both copper and aluminum conductors
- Application versatility
- Ensures reliability



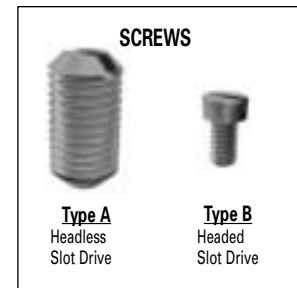
C

| Catalog Number | Number of Large Circuits ¹ | Number of Small Circuits ² | Mounting Hole Locations ³ in. (mm) | | | | Dimensions in. (mm) | |
|----------------|---------------------------------------|---------------------------------------|--|---------------|----|----------------|------------------------|--|
| | | | M1 | M2 | M1 | M2 | L | |
| NBAE-0204-1 | 2 | 4 | 1.133 (28.8) | - | - | 2.265 (57.5) | | |
| NBAE-0307-1 | 3 | 7 | 2.305 (58.5) | - | - | 3.438 (87.3) | | |
| NBAE-0409-2 | 4 | 9 | 1.133 (28.8) | 3.477 (88.3) | | 4.609 (117.1) | | |
| NBAE-0410-1 | 4 | 10 | 2.305 (58.5) | - | - | 4.609 (117.1) | | |
| NBAE-0512-2 | 5 | 12 | 2.305 (58.5) | 4.648 (118.1) | | 5.781 (146.8) | | |
| NBAE-0615-2 | 6 | 15 | 3.477 (88.3) | 5.821 (147.9) | | 6.954 (176.6) | | |
| NBAE-0924-2 | 9 | 24 | 2.305 (58.5) | 9.336 (237.1) | | 10.468 (265.9) | | |
| NBAE-1233-2 | 12 | 33 | 5.820 (147.8) | 8.164 (207.4) | | 13.986 (355.2) | | |
| NBAE-3192-0 | 31 | 92 | - | - | - | 36.250 (920.8) | | |

¹ Large Circuits have a conductor range of 1/0-14AWG

² Small Circuits have a conductor range of 6-14AWG

³ Mounting holes have a diameter of 0.203 in. (5.2mm)



| Catalog Number | Configuration |
|----------------|---|
| NBAE-0204-1 | ★●★○★●★ |
| NBAE-0307-1 | ★●★●★●★○★●★ |
| NBAE-0409-2 | ★●★○★●★●★●★○★●★ |
| NBAE-0410-1 | ★●★●★●★○★●★●★●★ |
| NBAE-0512-2 | ★●★●★●★○★●★●★●★○★●★ |
| NBAE-0615-2 | ★●★●★●★●★○★●★●★●★○★●★ |
| NBAE-0924-2 | ★●★●★●★○★●★●★●★●★●★●★●★●★●★●★●★○★●★ |
| NBAE-1233-2 | ★●★●★●★●★●★●★●★●★●★○★●★●★●★○★●★●★●★●★●★●★●★ |
| NBAE-3192-0 | ★●★●★●.....★●★● x 28.....★●★●★ |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207 and CSA C22.2 No. 65-03
Tested to UL 467, UL File E6207

★ Hole for small circuit
● Hole for large circuit
○ Hole for mounting screw

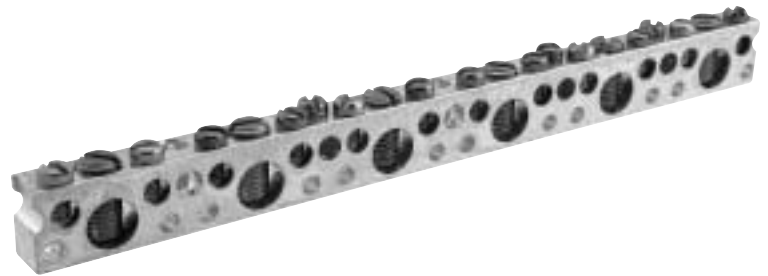
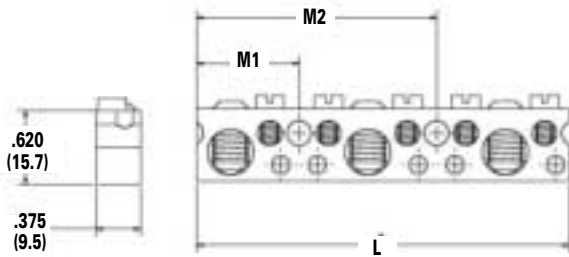
TYPE NBCE

Features

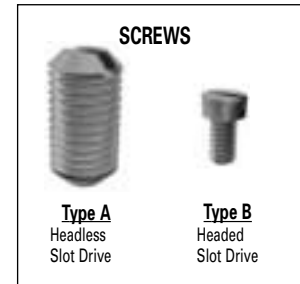
- Manufactured from high strength copper
- Electro-tin plated
- Assemblies available with 8-123 circuits
- UL Recognized for grounding and power, and CSA Certified

Benefits

- Provides maximum conductivity
- Low contact resistance
- Application versatility
- Ensures reliability



| Catalog Number | Number of Large Circuits ¹ | Number of Small Circuits ² | Mounting Hole Locations ³ in. (mm) | | | | Dimensions in. (mm) | |
|----------------|---------------------------------------|---------------------------------------|--|---------|-------|---------|------------------------|---------|
| | | | M1 | | M2 | | L | |
| NBCE-0305-2 | 3 | 5 | 1.133 | (28.8) | 2.305 | (58.5) | 3.176 | (80.7) |
| NBCE-0615-2 | 6 | 15 | 3.477 | (88.3) | 5.821 | (147.9) | 6.954 | (176.6) |
| NBCE-1336-2 | 13 | 36 | 5.821 | (147.9) | 8.165 | (207.4) | 15.158 | (385.0) |
| NBCE-3192-0 | 31 | 92 | - | - | - | - | 36.250 | (920.8) |



¹ Large Circuits have a conductor range of 1/0-14AWG

² Small Circuits have a conductor range of 6-14AWG

³ Mounting holes have a diameter of 0.203 in. (5.2mm)

| Catalog Number | Configuration |
|----------------|---|
| NBCE-0305-2 | ★●★○★●★● |
| NBCE-0615-2 | ★●★★★●★★★●★○★●★★★●★○★●★ |
| NBCE-1336-2 | ★●★★★●★★★●★★★●★★★●★○★●★★★●★○★●★★★●★★★●★★★●★★★●★★★●★ |
| NBCE-3192-0 | ★●★★★● ★★● x 28 ★★●★ |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
 Tested to UL 486A/B, UL File E6207 and CSA C22.2 No. 65-03
 Tested to UL 467, UL File E6207

| | |
|---|-------------------------|
| ★ | Hole for small circuit |
| ● | Hole for large circuit |
| ○ | Hole for mounting screw |

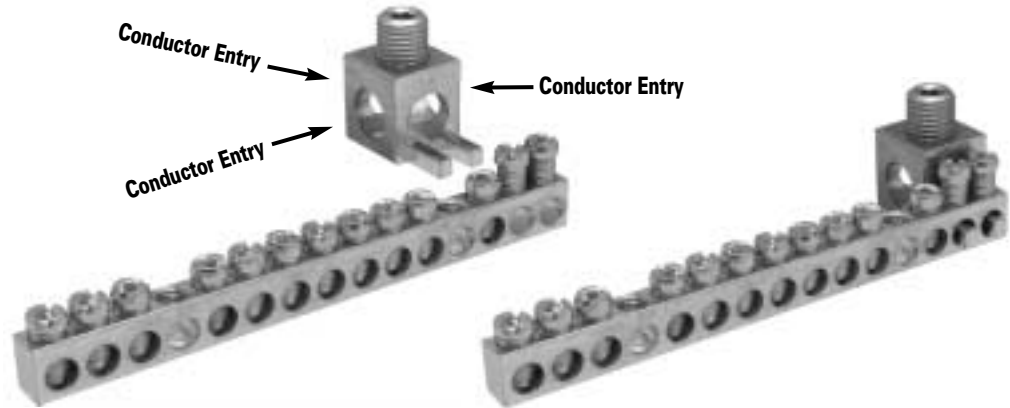
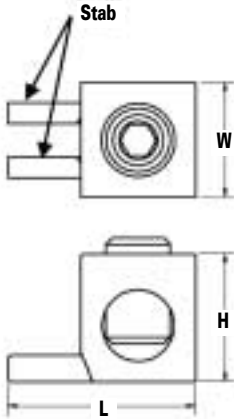
TYPE NBST

Features

- Connects a 2/0-14 conductor to a neutral bar
- Seamless stabs
- Conductor entry at 90° or parallel to neutral bar
- Mounts to solar nodes and neutral bars with hole spacing from .300" to .350"
- Hex socket screw included
- Manufactured from high strength aluminum
- Electro-tin plated
- UL 486 A/B and UL 467 Recognized, 90° C

Benefits

- Enables connection of a larger conductor for application versatility
- Provide dual current path for reliability and cool operation
- Multiple conductor orientation
- For diverse field applications
- Offers higher torque rating for reliability
- Suitable for use with copper or aluminum conductors
- Provides low contact resistance
- For power and grounding applications



| Catalog Number | Wire Range | Dimensions - in. (mm) | | | Hex Size |
|----------------|------------|-----------------------|--------------|--------------|----------|
| | | L | W | H | |
| NBST-2/0 | 2/0-14 | 1.140 (29.0) | 0.700 (17.8) | 0.780 (19.8) | 3/16 |

UL Recognized for use with ILSCO

| Neutral Bars | Solar Nodes |
|--------------|-------------|
| NB-350 | SCNL |
| NBAS | SCNM |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX oxide inhibitor is recommended for all aluminum terminations

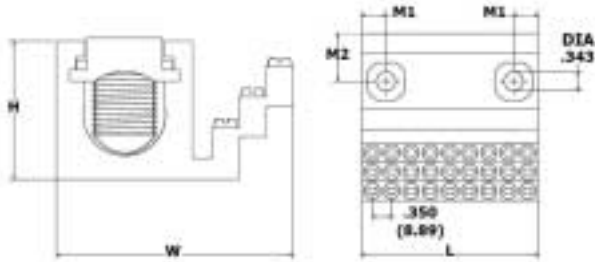
TYPE SCNL

Features

- Manufactured from high strength aluminum alloy
- Configuration - 27 inputs and 1 output
- Conductor Input: 4-14
- Conductor Output: 750kcmil-1/0
- Designed for insulators up to 2000V
- For unfused PV source inputs up to 420A CU, 340A AL

Benefits

- Provide maximum conductivity and strength for copper and aluminum conductors
- Application versatility
- Input accepts Class B and C conductors
- Output accepts Class B and C conductors
- Mounting hardware fits variety of commercial insulators



C

| Catalog Number | Primary | | | | Secondary | | | Dimensions - in. (mm) | | | | |
|----------------|----------------|----------------|--------------------|------------|--------------|--------------------|----------|-----------------------|--------------|--------------|--------------|--------------|
| | Wire Range | Wires per Hole | Number of Circuits | Screw Type | Wire Range | Number of Circuits | Hex Size | W | H | L | M1 | M2 |
| SCNL-27 | 4-14 10-14+ | 1 2 | 27 54 | Slot/SQ | 750kcmil-1/0 | 1 | 5/16 | 3.050 (77.5) | 1.800 (45.7) | 3.186 (80.9) | 0.443 (11.3) | 0.875 (22.2) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Two 5/16 dia, 5/16 depth flat-head screws are included for mounting. Insulators sold separately, consult factory for ordering information.

UL/cUL Recognized to UL486A/B, UL File E6207

+ See Information Sheet for other UL approved two wire combinations.

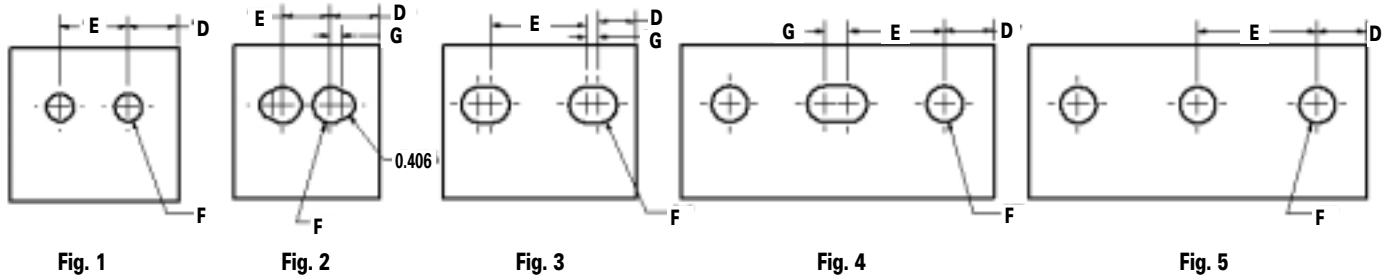
TYPE SCNM

Features

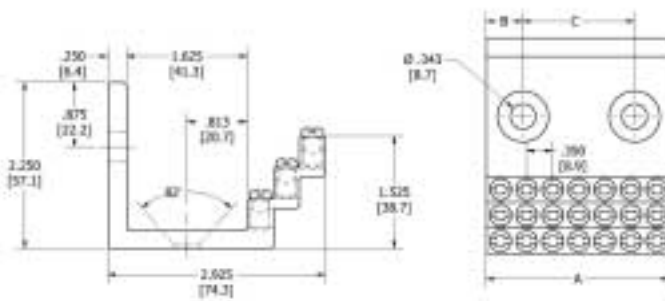
- Manufactured from high strength aluminum alloy
- Configuration - 18 to 42 string inputs; 4 outputs
- Conductor Input: 4-14
- Conductor Output: 1000kcmil-6
- Designed for insulators up to 2000V

Benefits

- Provides maximum conductivity and strength for copper and aluminum conductors
- Application versatility
- Input accepts Class B and C conductors
- Output accepts Class B, C, G, H, I, K, M and DLO conductors
- Mounting hardware fits variety of commercial insulators



Lug Mount Configurations (See Figure Number above)



Typical Mechanical
Lug Mount

Typical Compression
Lug Mount

| Catalog Number | Lug Mount Figure Number | PV Source Input** | String Input | | Output | | Dimensions - in. (mm) | | | | | | |
|----------------|-------------------------|-------------------|----------------|------------|-----------------|-------------|-----------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | | | No. of Strings | Wire Range | No. of Circuits | Wire Range | A | B | C | D | E | F | G |
| SCNM-18 | 2 | 540 | 18 | 4-14 | 1-4 | 1000kcmil-6 | 2.136 (54.25) | 0.443 (11.25) | 1.250 (31.75) | 0.718 (18.24) | 0.700 (17.78) | 0.531 (13.49) | 0.150 (3.81) |
| SCNM-21 | 1 | 630 | 21 | 4-14 | 1-4 | 1000kcmil-6 | 2.468 (62.69) | 0.493 (12.52) | 1.500 (38.10) | 0.734 (18.64) | 1.000 (25.40) | 0.406 (10.31) | |
| SCNM-24 | 3 | 720 | 24 | 4-14 | 1-4* | 1000kcmil-6 | 2.836 (72.03) | 0.543 (13.79) | 1.750 (44.45) | 0.543 (13.79) | 1.400 (35.56) | 0.531 (13.49) | 0.175 (4.45) |
| SCNM-27 | 1 | 810 | 27 | 4-14 | 1-4* | 1000kcmil-6 | 3.186 (80.92) | 0.593 (15.06) | 2.000 (50.80) | 0.718 (18.24) | 1.750 (44.45) | 0.531 (13.49) | |
| SCNM-30 | 3 | 900 | 30 | 4-14 | 1-4* | 1000kcmil-6 | 3.536 (89.81) | 0.518 (13.16) | 2.500 (63.50) | 0.718 (18.24) | 1.750 (44.45) | 0.531 (13.49) | 0.175 (4.45) |
| SCNM-33 | 3 | 990 | 33 | 4-14 | 1-4* | 1000kcmil-6 | 3.886 (98.70) | 0.443 (11.25) | 3.000 (76.20) | 0.718 (18.24) | 1.750 (44.45) | 0.531 (13.49) | 0.350 (8.89) |
| SCNM-36 | 3 | 1080 | 36 | 4-14 | 1-4* | 1000kcmil-6 | 4.236 (107.59) | 0.618 (15.70) | 3.000 (76.20) | 0.718 (18.24) | 1.750 (44.45) | 0.531 (13.49) | 0.525 (13.34) |
| SCNM-39 | 4 | 1170 | 39 | 4-14 | 1-4* | 1000kcmil-6 | 4.586 (116.48) | 0.793 (20.14) | 3.000 (76.20) | 0.718 (18.24) | 1.400 (35.56) | 0.531 (13.49) | 0.350 (8.89) |
| SCNM-42 | 5 | 1260 | 42 | 4-14 | 1-4* | 1000kcmil-6 | 4.936 (125.37) | 0.968 (24.59) | 3.000 (76.20) | 0.718 (18.24) | 1.750 (44.45) | 0.531 (13.49) | |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

**For non-fused PV string inputs, 30A per string

Each input hole contains a 1/4 - 28 UNF; slotted/square drive screw

Two 5/16-18 UNC x 1/2 screws are included for mounting to insulators (insulators sold separately, consult Customer Care for information)

*For use with mechanical or compression components; sold separately. NEMA mounting hole configurations

UL/cUL Recognized to UL486A/B, UL File E6207

TYPE
USPASS

Features

- Encapsulated with dielectric strength polymer
- Manufactured from high strength aluminum alloy
- Compact design
- DE-OX oxide inhibiting compound optional
- Connector rated for 600 volts, 90° C
- Range taking
- Meets or exceeds UL 486D

Benefits

- Completely watertight in line splice. Ready for installation. (not a mold for use with mixed compounds) No taping required. No temperature or humidity restrictions.
- Suitable for use with copper or aluminum conductors
- Easily accessible in small hand holes
- Prevents oxides from forming
- Ensures reliability
- Reduces inventory
- UL Listed and CSA Certified for direct burial in earth or concrete

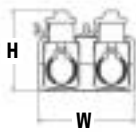
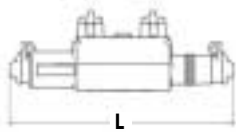


Fig. 1



Fig. 2



Fig. 3

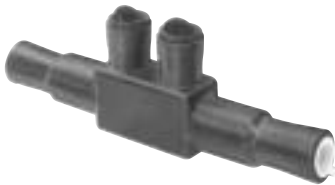


Fig. 4



Fig. 5



Fig. 6

| Catalog Number | Figure Number | Wire Range | Dimensions - in. (mm) | | | | | |
|------------------|---------------|----------------|-----------------------|--------|-------|--------|-------|---------|
| | | | W | | H | | L | |
| USPA-1/0SS-DB* | 1 | 1/0-14 | 0.930 | (23.6) | 1.925 | (48.9) | 5.630 | (143.0) |
| USPA21-1/0SS-DB* | 2 | 1/0-14 | 2.190 | (55.6) | 1.925 | (48.9) | 4.000 | (101.6) |
| USPA22-1/0SS-DB* | 3 | 1/0-14 | 2.395 | (60.8) | 2.000 | (50.8) | 5.630 | (143.0) |
| USPA-350SS-DB+ | 4 | 350kcmil-10str | 1.162 | (29.5) | 2.500 | (63.5) | 8.625 | (219.0) |
| USPA-500SS-DB | 5 | 500kcmil-10 | 1.925 | (48.8) | 3.219 | (81.7) | 9.812 | (249.2) |
| USPA-750SS-DB | 6 | 750kcmil-2 | 3.596 | (91.3) | 3.843 | (83.4) | 9.188 | (233.4) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

+ RUS Listed

Tested to UL 486D, UL File E125087

*For DE-OX®, add "P" following the SS (e.g. USPA-1/0SSP-DB)



TYPE DBK ASK

Features

- DBK-1 connectors manufactured from electrolytic copper
- All other connectors manufactured from high strength aluminum alloy
- Heavy wall heat shrink tubing with sealant
- Connector and heat shrink packaged together
- Rated for 600 volts, 90° C

Benefits

- Provides maximum conductivity for UF cable
- Provides high conductivity and can be used with either aluminum or copper conductors
- Provides watertight splice. Kits with heat shrink are designed to withstand abrasions due to direct burial in rocky soil.
- Provides ease of ordering
- Ensures reliability



Fig. 1



Fig. 2



Fig. 3

| Catalog Number | Figure Number | UF Cable Range | | Wire Range | Testing Certification |
|----------------|---------------|------------------|-----------------|------------|-----------------------|
| | | Minimum | Maximum | | |
| DBK-1 | 1 | 14/2 with Ground | 8/3 with Ground | - | UL LISTED 88X4 |
| DBK-2 | 2 | - | - | 2-8 | UL LISTED 88X4 |
| DBK-250 | 2 | - | - | 250kcmil-1 | UL LISTED 88X4 |

Tested to UL 486D, UL File E125087

ABOVE GRADE SPLICE KITS

| | | | | | |
|----------|---|---|---|------------|----------------|
| ASK-2* | 3 | - | - | 2-8 | UL LISTED 453G |
| ASK-250* | 3 | - | - | 250kcmil-1 | UL LISTED 453G |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

*Not UL Listed for direct burial.

Tested to UL 486A/B, UL File E125087

TYPE
SS
SSK
SSKC

Features

- Watertight EPDM rubber splice cover
- Tapered ends
- Ready for installation
- Type SS is cover only supplied with lubricant
- Type SSK kit is supplied with both connector and lubricant
- Connector rated for 600 volts, 90° C

Benefits

- No taping required. Suitable for direct burial
- Fits a wide range of conductor sizes
- Not a mold, can be used in any type of weather. (moisture and humidity are not a factor)
- Can be used with standard aluminum or copper compression from 500kcmil - 6. Lubricant permits easy insertion of conductors into sleeve.
- Supplied with dual-rated mechanical splice connector with a wire range of 350kcmil - 6
- Ensures reliability



Fig. 1



Fig. 2

C

| Catalog Number | Figure Number | Wire Range | | L |
|----------------|---------------|------------------|---------------------|-------|
| | | Bolted Connector | Compression Sleeves | |
| SSK-350-Z | 1 | 350kcmil-6 | - | 5-1/2 |
| SS-350-Z | 2 | 350kcmil-6 | 500kcmil-6 | 5-1/2 |



| Catalog Number | Connector Catalog Number | Wire Size | Wire Range When Installed With IDT-12 Tool |
|----------------|--------------------------|-----------|--|
| SSKC-6-Z | AS-6 | 6 | 6 |
| SSKC-4-Z | AS-4 | 4 | 4-6 |
| SSKC-2-Z | AS-2 | 2 | 2-6 |
| SSKC-1/0-Z | AS-1/0 | 1/0 | 1/0-1 |
| SSKC-2/0-Z | AS-2/0 | 2/0 | 2/0-1 |
| SSKC-3/0-Z | AS-3/0 | 3/0 | 3/0-1 |
| SSKC-4/0-Z | AS-4/0 | 4/0 | 4/0-1 |
| SSKC-250-Z | AS-250 | 250kcmil | 250kcmil-1/0 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

TYPE PG

Features

- Manufactured from high strength 6061-T6 aluminum alloy
- Clear plated
- Range taking

Benefits

- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Permits inventories to be kept to a minimum

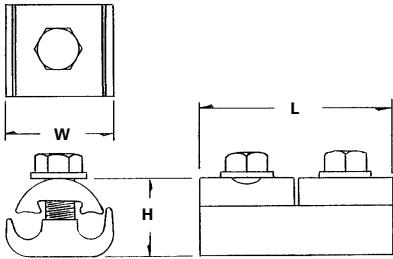


Fig. 1



Fig. 2



Fig. 3

| Catalog Number | Figure Number | Wire Range Both Grooves | Type and Bolt Size | Dimensions | | |
|----------------|---------------|-------------------------|--------------------|------------|-------|--------|
| | | | | L | H | W |
| PG810-S-Z | 1 | 1/0-8 sol | 3/8, Steel | 1-1/8 | 1-5/8 | 1-3/16 |
| PG620-Z | 2 | 2/0-6 sol | 7/16, AL | 1-3/8 | 1-5/8 | 1-1/4 |
| PG620-S-Z | 2 | 2/0-6 sol | 3/8, Steel | 1-3/16 | 1-5/8 | 1-1/8 |
| PG620-2A-Z | 3 | 2/0-6 sol | 3/8, AL | 2-7/16 | 1-5/8 | 1-1/4 |
| PG620-2S-Z | 3 | 2/0-6 sol | 3/8, Steel | 2-7/16 | 1-5/8 | 1-1/4 |
| PG402-S-Z | 2 | 4/0-2 | 3/8, Steel | 1-1/2 | 1-3/4 | 1-3/8 |
| PG402-2S-Z | 3 | 4/0-2 | 3/8, Steel | 3-1/16 | 1-3/4 | 1-3/8 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Inhibitor is recommended for all aluminum terminations.

TYPE GRM GRF

Features

- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- Type GRM - Elongated steel stud
- Type GRF - Threaded female design

Benefits

- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Provides ease of grounding a single conductor to steel structures or to tap a single conductor from bus bar
- Provides ease of installation for a variety of standard stud sizes

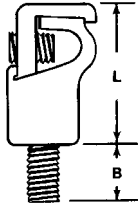


Fig. 1

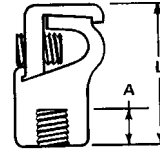


Fig. 2

C

| Catalog Number | Figure Number | Wire Range Single Cable | | | | Dimensions | | | Hex Size |
|----------------|---------------|-------------------------|-----------|--------------|-------------|------------|-------|---------|----------|
| | | Max. | Min. | Steel Strand | Dia. Thread | A | B | L | |
| GRM-2A | 1 | 2str | 12sol/str | 5/16 | 1/4"-20 | - | 11/16 | 1-1/4 | Slot |
| GRM-2B | 1 | 2str | 12sol/str | 5/16 | 5/16"-18 | - | 3/8 | 1-1/4 | Slot |
| GRM-2C | 1 | 2str | 12sol/str | 5/16 | 3/8"-16 | - | 9/16 | 1-1/4 | Slot |
| GRM-0 | 1 | 1/0str | 2str | 3/8 | 1/2"-13 | - | 1 | 1-9/16 | Slot |
| GRM-250A | 1 | 250kcmil | 1/0 | 9/16 | 1/2"-13 | - | 1 | 2-1/8 | 5/16 |
| GRM-250B | 1 | 250kcmil | 1/0 | 9/16 | 5/8"-11 | - | 1 | 2-1/8 | 5/16 |
| GRM-350 | 1 | 350kcmil | 4/0 | - | 5/8"-11 | - | 1 | 2-1/2 | 3/8 |
| GRM-500 | 1 | 500kcmil | 350kcmil | - | 3/4"-10 | - | 1-3/8 | 2-15/16 | 3/8 |
| GRM-750 | 1 | 750kcmil | 500kcmil | - | 3/4"-10 | - | 1-3/8 | 3-3/8 | 1/2 |
| GRF-2A | 2 | 2str | 12sol/str | 5/16 | 1/4"-20 | 5/16 | - | 1-1/4 | Slot |
| GRF-2B | 2 | 2str | 12sol/str | 5/16 | 5/16"-18 | 3/8 | - | 1-1/4 | Slot |
| GRF-2C | 2 | 2str | 12sol/str | 5/16 | 3/8"-16 | 7/16 | - | 1-1/4 | Slot |
| GRF-0 | 2 | 1/0str | 2str | 3/8 | 1/2"-13 | 1/2 | - | 1-9/16 | Slot |
| GRF-250A | 2 | 250kcmil | 1/0 | 9/16 | 1/2"-13 | 1/2 | - | 2-1/8 | 5/16 |
| GRF-250B | 2 | 250kcmil | 1/0 | 9/16 | 5/8"-11 | 3/4 | - | 2-1/8 | 5/16 |
| GRF-350 | 2 | 350kcmil | 4/0 | - | 5/8"-11 | 3/4 | - | 2-1/2 | 3/8 |
| GRF-500 | 2 | 500kcmil | 350kcmil | - | 3/4"-10 | 7/8 | - | 2-15/16 | 3/8 |
| GRF-750 | 2 | 750kcmil | 500kcmil | - | 3/4"-10 | 7/8 | - | 3-3/8 | 1/2 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Inhibitor is recommended for all aluminum terminations.

TYPE
SLU
SLS
SAS
SAU

Features

- Manufactured from electrolytic copper tubing and strip stock
- Compact design
- Range taking
- Re-usable
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- V-bottom collar
- SLU-35DB and SLU-70DB are UL 467 Listed and suitable for direct burial
- Rated to 90° C

Benefits

- Provides maximum conductivity and strength
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Application versatility
- Wires are wedged between arched pressure bar and collar establishing positive contact and firm permanent grip

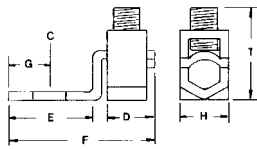


Fig. 1

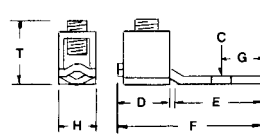


Fig. 2



| Catalog Number | Screw Type | Figure Number | Wire Range Copper | Bolt Size | Dimensions | | | | | | | Hex Size |
|----------------|------------|---------------|-----------------------|-----------|------------|-------|---------|---------|--------|-------|---------|----------|
| | | | | | C | D | E | F | G | H | T | |
| SLU-25 | ⊖ | 1 | 10-14 | #6 | 5/32 | 9/32 | 7/16 | 1 | 3/16 | 5/16 | 21/32 | Slot |
| SLU-35 | ⊖ | 1 | 6-14 & List Comb. (A) | #10 | 13/64 | 7/16 | 15/32 | 1-3/16 | 7/32 | 3/8 | 3/4 | Slot |
| SLU-35DB | ⊖ | 1 | 6-14 & List Comb. (A) | #10 | 13/64 | 7/16 | 15/32 | 1-3/16 | 7/32 | 3/8 | 3/4 | Slot |
| SAU-70 | ⊖ | 1 | 4-14 | 1/4 | 17/64 | 7/16 | 17/32 | 1-5/16 | 1/4 | 3/8 | 13/16 | Slot |
| SLU-70 | ⊖ | 1 | 2-8 & List Comb. (B) | 1/4 | 17/64 | 1/2 | 21/32 | 1-17/32 | 1/4 | 1/2 | 1 | Slot |
| SLU-70DB | ⊖ | 1 | 2-8 & List Comb. (B) | 1/4 | 17/64 | 1/2 | 21/32 | 1-17/32 | 1/4 | 1/2 | 1 | Slot |
| SLU-125 | ⊖ | 1 | 1/0-6 | 1/4 | 17/64 | 5/8 | 13/16 | 1-31/32 | 7/16 | 5/8 | 1-11/32 | Slot |
| SLU-175 | ⊖ | 1 | 3/0-4 | 3/8 | 13/32 | 3/4 | 15/16 | 2-3/16 | 7/16 | 3/4 | 1-9/16 | 3/16 |
| SLU-225 | ⊖ | 1 | 4/0-2 | 5/16 | 11/32 | 1 | 1-5/32 | 2-5/8 | 1/2 | 1 | 1-13/16 | 7/32 |
| SLU-300 | ⊖ | 1 | 350kcmil-1/0 | 3/8 | 13/32 | 1-1/4 | 1-1/2 | 3-3/16 | 1/2 | 1 | 2-5/8 | 5/16 |
| SLU-400 | ⊖ | 1 | 500kcmil-1/0 | 3/8 | 13/32 | 1-1/2 | 1-15/16 | 4-14 | 15/16 | 1-1/2 | 2-3/4 | 5/16 |
| SLU-650 | ⊖ | 1 | 1000kcmil-600kcmil | 1/2 | 17/32 | 1-7/8 | 1-7/8 | 4-5/8 | 1-7/64 | 2 | 3-11/16 | 3/8 |
| SLS-25 | ⊖ | 2 | 10-14 | #6 | 5/32 | 9/32 | 19/32 | 61/64 | 3/16 | 5/16 | 19/32 | Slot |
| SLS-35 | ⊖ | 2 | 6-14 & List Comb. (A) | #10 | 13/64 | 7/16 | 41/64 | 1-9/64 | 7/32 | 3/8 | 11/16 | Slot |
| SAS-70 | ⊖ | 2 | 4-14 | 1/4 | 17/64 | 7/16 | 23/32 | 1-1/4 | 1/4 | 1/2 | 27/32 | Slot |
| SLS-70 | ⊖ | 2 | 2-8 & List Comb. (B) | 1/4 | 17/64 | 1/2 | 13/16 | 1-15/32 | 1/4 | 1/2 | 31/32 | Slot |
| SLS-70-TN* | ⊖ | 2 | 2-8 & List Comb. (B) | 1/4 | 17/64 | 1/2 | 13/16 | 1-15/32 | 1/4 | 1/2 | 31/32 | Slot |
| SLS-125 | ⊖ | 2 | 1/0-6 | 1/4 | 17/64 | 5/8 | 1-3/16 | 1-15/16 | 7/16 | 5/8 | 1-1/4 | Slot |
| SLS-175 | ⊖ | 2 | 3/0-4 | 3/8 | 13/32 | 3/4 | 1-1/4 | 2-3/16 | 7/16 | 3/4 | 1-9/16 | 3/16 |
| SLS-225 | ⊖ | 2 | 4/0-2 | 5/16 | 11/32 | 1 | 1-7/32 | 2-3/8 | 1/2 | 1 | 1-21/32 | 7/32 |
| SLS-300 | ⊖ | 2 | 350kcmil-1/0 | 3/8 | 13/32 | 1-1/4 | 1-1/2 | 3-3/16 | 1/2 | 1 | 2-3/8 | 5/16 |
| SLS-400 | ⊖ | 2 | 500kcmil-1/0 | 3/8 | 13/32 | 1-1/2 | 2-3/16 | 3-7/8 | 15/16 | 1-1/2 | 2-9/16 | 5/16 |
| SLS-650 | ⊖ | 2 | 1000kcmil-600kcmil | 1/2 | 17/32 | 1-7/8 | 3 | 5-1/8 | 1-3/16 | 2 | 3-11/16 | 3/8 |

* Tin Plated

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

(A) UL Listed wire combinations: (2) #10; (2) #12; (2) #14; (1) #12 and (1) #14; (1) #10 and (1) #12

(B) UL Listed wire combinations: (1) #8 and (1) #4; (1) #8 and (1) #6; (2) #4; (3) #8; (3) #6; (2) #8 and (1) #4; (2) #8 and (1) #6; (1) #6 and (1) #4; (2) #6

Tested to UL 486A/B, UL File E6207

TYPE E H

Features

- Manufactured from electrolytic copper tubing and strip stock
- Compact design
- Range taking
- Re-usable
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- V-bottom collar
- Two mounting holes
- Rated to 90° C

Benefits

- Provides maximum conductivity and strength
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Application versatility
- Wires are wedged between arched pressure bar and collar establishing positive contact and firm permanent grip
- Acts as anti-rotation device and prevents turning in safety switches, control equipment etc.

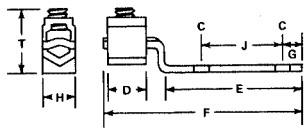


Fig. 1

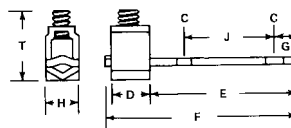


Fig. 2

| Catalog Number | Figure Number | Wire Range Copper | Bolt Size | Dimensions | | | | | | | | Hex Size |
|----------------|---------------|-----------------------|-----------|------------|-------|---------|---------|--------|-------|-------|---------|----------|
| | | | | C | D | E | F | G | H | J | T | |
| E-35 | 1 | 6-14 & List Comb. (A) | #10 | 13/64 | 7/16 | 1-1/2 | 2-1/4 | 7/32 | 3/8 | 1 | 3/4 | Slot |
| E-70 | 1 | 2-8 & List Comb. (B) | 1/4 | 17/64 | 1/2 | 1-1/2 | 2-7/16 | 1/4 | 1/2 | 1 | 1 | Slot |
| E-125 | 1 | 1/0-6 | 1/4 | 17/64 | 5/8 | 1-7/8 | 2-15/16 | 7/16 | 5/8 | 1 | 1-11/32 | Slot |
| E-225 | 1 | 4/0-2 | 5/16 | 11/32 | 1 | 2-5/32 | 3-19/32 | 1/2 | 1 | 1 | 1-13/16 | 7/32 |
| E-300 | 1 | 350kcmil-1/0 | 3/8 | 13/32 | 1-1/4 | 3-11/16 | 5-11/16 | 13/16 | 1 | 1-7/8 | 2-5/8 | 5/16 |
| E-400 | 1 | 500kcmil-1/0 | 3/8 | 13/32 | 1-1/2 | 3-13/16 | 6 | 15/16 | 1-1/2 | 1-3/4 | 2-3/4 | 5/16 |
| E-650 | 1 | 1000kcmil-600kcmil | 1/2 | 17/32 | 1-7/8 | 3-9/16 | 6-1/4 | 1-3/16 | 2 | 1-3/4 | 3-11/16 | 3/8 |
| H-35 | 2 | 6-14 & List Comb. (A) | #10 | 13/64 | 7/16 | 1-5/8 | 2-1/8 | 7/32 | 3/8 | 1 | 11/16 | Slot |
| H-70 | 2 | 2-8 & List Comb. (B) | 1/4 | 17/64 | 1/2 | 1-7/8 | 2-1/2 | 1/4 | 1/2 | 1 | 31/32 | Slot |
| H-225 | 2 | 4/0-2 | 5/16 | 11/32 | 1 | 2-7/32 | 3-3/8 | 1/2 | 1 | 1 | 1-21/32 | 7/32 |
| H-400 | 2 | 500kcmil-1/0 | 3/8 | 13/32 | 1-1/2 | 3-15/16 | 5-5/8 | 15/16 | 1-1/2 | 1-3/4 | 2-9/16 | 5/16 |
| H-650 | 2 | 1000kcmil-600kcmil | 1/2 | 17/32 | 1-7/8 | 4-3/4 | 6-7/8 | 1-3/16 | 2 | 1-3/4 | 3-11/16 | 3/8 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

(A) UL Listed wire combinations: (2) #10; (2) #12; (2) #14; (1) #12 and (1) #14; (1) #10 and (1) #12

(B) UL Listed wire combinations: (1) #8 and (1) #4; (1) #8 and (1) #6; (2) #4; (3) #8; (3) #6; (2) #8 and (1) #4; (2) #8 and (1) #6; (1) #6 and (1) #4; (2) #6

Tested to UL 486A/B, UL File E6207

Copper, Heavy Duty, Mechanical Lugs One Conductor, One Hole

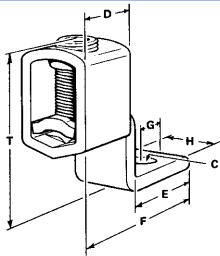
TYPE SLUH

Features

- Manufactured from electrolytic copper tubing and strip stock
- Compact design
- Range taking
- Re-usable
- Electro-tin plated
- Captive tang
- V-bottom collar
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90° C

Benefits

- Provides maximum conductivity and strength
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Provides low contact resistance
- Suited for heavy duty applications requiring high torque to withstand vibration and high ambient heat
- Wires are wedged between arched pressure bar and collar establishing positive contact and firm permanent grip
- Application versatility



C

| Catalog Number | Wire Range | Bolt Size | Dimensions | | | | | | | Hex Size |
|----------------|---------------|-----------|------------|---------|---------|---------|--------|-------|---------|----------|
| | | | C | D | E | F | G | H | T | |
| SLUH-35 | 6-14 | #10 | 13/64 | 7/16 | 1/2 | 1-1/8 | 7/32 | 3/8 | 11/16 | Slot |
| SLUH-90 | 2-14 | 1/4 | 17/64 | 9/16 | 5/8 | 1-31/64 | 1/4 | 1/2 | 27/32 | Slot |
| SLUH-125 | 1/0-8 | 1/4 | 17/64 | 11/16 | 13/16 | 1-7/8 | 7/16 | 5/8 | 63/64 | Slot |
| SLUH-225 | 250kcmil-6 | 5/16 | 11/32 | 1 | 1-5/32 | 2-7/16 | 1/2 | 1 | 1-17/64 | 1/4 |
| SLUH-300 | 350kcmil-1/0 | 3/8 | 13/32 | 1-3/16 | 1-1/2 | 3-1/16 | 1/2 | 1 | 2-1/4 | 5/16 |
| SLUH-400 | 500kcmil-1/0 | 3/8 | 13/32 | 1-3/8 | 1-15/16 | 3-13/16 | 15/16 | 1-1/2 | 2-15/32 | 5/16 |
| SLUH-650 | 1000kcmil-4/0 | 1/2 | 17/32 | 1-57/64 | 1-7/8 | 4-5/16 | 1-3/16 | 2 | 3-3/32 | 3/8 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG) Tested to UL 486A/B, UL File E6207

Conductor Class - Fine Stranded

| | B | C | G | H | I | K | M | Locomotive Cable |
|--|--------------|--------------|--------------|--------------|---------------|---------------|----------------|------------------|
| | - | - | 14/49 | - | - | 14/41 | 14/104 | 14/19 |
| | 14/7 | 14/19 | 12/49 | - | - | 12/65 | 12/168 | 12/19 |
| | 12/7 | 12/19 | - | - | - | - | - | - |
| | 10/7 | 10/19 | 10/49 | - | 10/26 | 10/104 | 10/259 | 10/27 |
| | - | - | 8/49 | 8/133 | 8/41 | 8/168 | 8/420 | 8/37 |
| | 8/7 | 8/19 | - | - | - | - | - | - |
| | 6/7 | 6/19 | - | - | - | - | - | - |
| | 4/7 | 4/19 | 6/49 | 6/133 | 6/63 | 6/266 | 6/665 | 6/61 |
| | 3/7 | 3/19 | 4/49 | 4/133 | 4/105 | 4/420 | 4/1064 | 4/105 |
| | 2/7 | 2/19 | 3/49 | 3/133 | 3/133 | 3/532 | 3/1323 | 3/125 |
| | 1/19 | 1/37 | 2/49 | 2/133 | 2/161 | 2/665 | 2/1666 | 2/150 |
| | 1/0/19 | 1/0-37 | 1/133 | 1/259 | 1/210 | 1/836 | 1/2107 | 1/225 |
| | 2/0-19 | 2/0-37 | 1/0-133 | 1/0-259 | - | - | 1/0/2646 | 1/0/275 |
| | 3/0-19 | 3/0-37 | 2/0-133 | 2/0-259 | 1/0/266 | 1/0/1064 | - | 2/0/325 |
| | /0-19 | 4/0-37 | 3/0-133 | 3/0-259 | 2/0/342 | 2/0/1323 | 2/0/3325 | - |
| | 250kcmil/37 | 250kcmil/61 | - | - | 3/0/418 | 3/0/1666 | 3/0/4256 | 3/0/450 |
| | 300kcmil/37 | 300kcmil/61 | 4/0-133 | 4/0-259 | 4/0/532 | - | - | 222.2kcmil/550 |
| | 350kcmil/37 | 350kcmil/61 | 250kcmil/259 | 250kcmil/427 | 250kcmil/637 | 4/0/2107 | 4/0/5320 | 262.6kcmil/650 |
| | 400kcmil/37 | 400kcmil/61 | 300kcmil/259 | 300kcmil/427 | 300kcmil/735 | 250kcmil/2499 | 250kcmil/6384 | 313.1kcmil/775 |
| | 500kcmil/37 | 500kcmil/61 | 350kcmil/259 | 350kcmil/427 | 350kcmil/882 | 300kcmil/2989 | 300kcmil/7581 | - |
| | - | - | 400kcmil/259 | 400kcmil/427 | 400kcmil/980 | 350kcmil/3458 | 350kcmil/8806 | 373.7kcmil/925 |
| | 600kcmil/61 | 600kcmil/91 | - | - | - | - | - | 444kcmil/1100 |
| | 700kcmil/61 | 700kcmil/91 | 500kcmil/259 | 500kcmil/427 | 500kcmil/1225 | 450kcmil/4522 | 450kcmil/11396 | 535.3kcmil/1325 |
| | 750kcmil/61 | 750kcmil/91 | 550kcmil/259 | 500kcmil/703 | 550kcmil/1372 | 500kcmil/5054 | 500kcmil/12691 | - |
| | - | - | 600kcmil/259 | 500kcmil/703 | 600kcmil/1470 | 550kcmil/5453 | 550kcmil/13664 | 646.4kcmil/1591 |
| | 1000kcmil/61 | 1000kcmil/91 | 750kcmil/259 | 500kcmil/703 | 650kcmil/1596 | 600kcmil/5985 | 600kcmil/14945 | - |

TYPE LO

Features

- Manufactured from electrolytic seamless copper tubing
- Compact design
- Range taking
- Re-usable
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90° C

Benefits

- Provides maximum conductivity and strength
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Application versatility

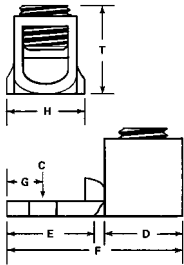


Fig. 1



Fig. 2



Fig. 3



Fig. 4

| Catalog Number | Figure Number | Bolt Size | Wire Range | Dimensions | | | | | | | Hex Size |
|----------------|---------------|-----------|--------------------|------------|---------|---------|---------|-------|-------|--------|----------|
| | | | | C | D | E | F | G | H | T | |
| LO-4 | 1 | 1/4 | 4-14 | 17/64 | 3/4 | 5/8 | 1-3/8 | 9/32 | 1/2 | 25/32 | Slot |
| LO-0 | 2 | 1/4 | 1/0-14 | 9/32 | 11/16 | 27/32 | 1-3/4 | 13/32 | 3/4 | 11/16 | Slot |
| LO-250 | 4 | 5/16 | 250kcmil-6 | 21/64 | 1 | 1-1/4 | 2-9/32 | 7/16 | 63/64 | 7/8 | 3/8 |
| LO-350SH | 3 | 1/2 | 350kcmil-4 | 17/32 | 7/8 | 1 | 2-7/32 | 1/2 | 1-1/8 | 1-3/16 | 3/8 |
| LO-350STD | 3 | 3/8 | 350kcmil-4 | 13/32 | 1-1/4 | 1-1/8 | 2-5/8 | 1/2 | 1-1/8 | 1-1/16 | 3/8 |
| LO-500 | 4 | 3/8 | 500kcmil-4/0 | 25/64 | 1-1/4 | 1-9/16 | 3-5/16 | 7/8 | 1-1/2 | 1-1/2 | 3/8 |
| LO-600 | 4 | 3/8 | 600kcmil-1 | 13/32 | 1-7/16 | 1-11/16 | 3-5/8 | 7/8 | 1-1/2 | 1-1/2 | 3/8 |
| LO-1000 | 4 | 1/2 | 1000kcmil-500kcmil | 17/32 | 1-17/32 | 1-7/8 | 3-15/16 | 27/32 | 2 | 2-1/16 | 3/8 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

C

TYPE

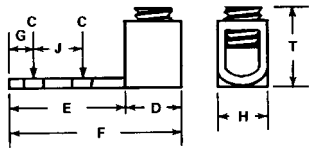
VT LO-S

Features

- Manufactured from electrolytic seamless copper tubing
- Compact design
- Range taking
- Re-usable
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90° C

Benefits

- Provides maximum conductivity and strength
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Application versatility



C

| Catalog Number | Wire Range | Bolt Size | Dimensions | | | | | | | | Hex Size |
|----------------|--------------------|-----------|------------|--------|--------|--------|-----|-------|--------|--------|----------|
| | | | C | D | E | F | G | H | J | T | |
| VT-4-S | 4-14 | #10 | 15/64 | 9/16 | 1 | 1-3/4 | 1/4 | 1/2 | 1/2 | 25/32 | Slot |
| LO-0-S | 1/0-14 | 1/4 | 9/32 | 11/16 | 1-9/16 | 2-1/2 | 3/8 | 3/4 | 7/8 | 19/32 | Slot |
| LO-250-S | 250kcmil-6 | 3/8 | 13/32 | 1 | 1-3/4 | 3-3/32 | 3/8 | 1 | 1 | 7/8 | 3/8 |
| LO-350-S | 350kcmil-4 | 3/8 | 7/16 | 7/8 | 2 | 3-1/2 | 3/8 | 1-1/8 | 1-1/16 | 1-1/4 | 3/8 |
| LO-600-S | 600kcmil-1 | 1/2 | 9/16 | 1-7/16 | 2 | 3-7/8 | 3/8 | 1-1/4 | 1-1/16 | 1-1/2 | 3/8 |
| LO-1000-S | 1000kcmil-500kcmil | 1/2 | 9/16 | 1-9/16 | 2-1/2 | 4-1/2 | 3/8 | 1-5/8 | 1-3/16 | 2-1/16 | 3/8 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

TYPE XT LY

Features

- Manufactured from electrolytic copper tubing and strip stock
- Compact design
- Range taking
- Re-usable
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- XT-6DB and XT-4DB are UL 467 Listed and suitable for direct burial, XT-4 certified to #8 solid copper wire
- Rated to 90° C

Benefits

- Provides maximum conductivity and strength
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Application versatility

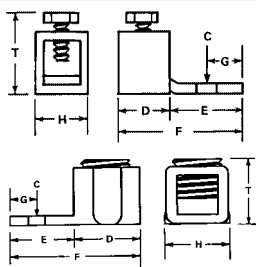


Fig. 1



Fig. 2



Fig. 3



Fig. 4

| Catalog Number | Figure Number | Wire Range | Bolt Size | Dimensions | | | | | | | | Hex Size |
|----------------|---------------|------------------------|-----------|------------|--------|---------|---------|------|-------|--------|--------|----------|
| | | | | C | D | E | F | G | H | T | | |
| XT-10 | 3 | 10-14 | #6 | 5/32 | 9/32 | 17/32 | 7/8 | 3/16 | 5/16 | 17/32 | Slot | |
| XT-6 ‡ | 4 | 6-18 | #10 | 13/64 | 3/8 | 17/32 | 1 | 7/32 | 3/8 | 3/4 | Slot | |
| XT-6DB | 3 | 6-14 | #10 | 13/64 | 3/8 | 17/32 | 1 | 7/32 | 3/8 | 3/4 | Slot | |
| XT-4 | 3 | 4-14 & List Comb. (A) | 1/4 | 17/64 | 1/2 | 5/8 | 1-1/8 | 1/4 | 1/2 | 5/8 | Slot | |
| XT-4DB | 3 | 4-14 & List Comb. (A) | 1/4 | 17/64 | 1/2 | 5/8 | 1-1/8 | 1/4 | 1/2 | 5/8 | Slot | |
| XT-0 | 3 | 1/0-6 & List Comb. (B) | 1/4 | 17/64 | 5/8 | 29/32 | 1-17/32 | 7/16 | 5/8 | 1 | Slot | |
| XT-40 | 1 | 4/0-6 | 5/16 | 11/32 | 1 | 1-1/16 | 2-3/16 | 9/16 | .81 | 1-5/8 | EH 5/8 | |
| XT-500*+ | 1 | 500kcmil-2/0 | 3/8 | 7/16 | 1-3/8 | 1-11/16 | 3-3/16 | 7/8 | 1-1/2 | 2-9/16 | EH 3/4 | |
| LY-250-S+ | 2 | 250kcmil-6 | 1/4 | 17/64 | 1 | 13/16 | 1-13/16 | 3/8 | 1 | 1 | 3/8 | |
| LY-600 | 2 | 600kcmil-1/0 (C) | 3/8 | 13/32 | 1-7/16 | 1-7/8 | 3-5/16 | 7/8 | 1-1/2 | 1-3/8 | 3/8 | |
| LY-600-S | 2 | 600kcmil-1/0 (C) | 5/16 | 21/64 | 1-7/16 | 1-1/8 | 2-9/16 | 1/2 | 1-3/8 | 1-3/8 | 3/8 | |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

*Furnished with Pressure Plate

+ EH External Hex

‡ UL 467 Listed for grounding and bonding. Not rated for direct burial.

(A) UL Listed wire combinations: (2) #14; (2) #12; (2) #10; (2) #8 and (4) #16

(B) UL Listed wire combinations: (2) #6 and (2) #8

(C) UL Listed wire combinations: (2) #4/0; (2) #3/0; (2) #2/0, and (2) #1/0

Tested to UL 486A/B, UL File E6207

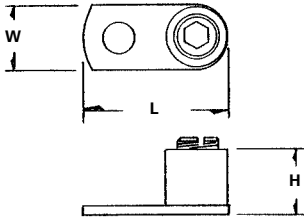
TYPE CP

Features

- Manufactured from high conductivity copper alloy
- Compact design
- Range taking
- Re-usable
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90° C

Benefits

- Provides long lasting reliable contact
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Application versatility



| Catalog Number | Wire Range | Bolt Size | Stud Hole Size | Dimensions | | | Hex Size |
|----------------|--------------------|-----------|----------------|------------|--------|--------|----------|
| | | | | L | W | H | |
| CP-8‡ | 8-14 | 10 | 13/64 | 51/64 | 3/8 | 27/64 | Slot |
| CP-4‡ | 4-14 | 1/4 | 17/64 | 1-3/32 | 17/32 | 35/64 | Slot |
| CP-0‡ | 1/0-8 | 5/16 | 11/32 | 1-1/2 | 3/4 | 5/8 | 1/4 |
| CP-250‡ | 250kcmil-6 | 3/8 | 13/32 | 1-31/32 | 15/16 | 1-1/16 | 1/4 |
| CP-500*+ | 500kcmil-4/0 | 1/2 | 17/32 | 2-31/32 | 1-3/8 | 1-7/16 | 3/8 |
| CP-1000*+ | 1000kcmil-500kcmil | 1/2 | 17/32 | 3-31/32 | 2-1/32 | 2-3/16 | 1/2 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* Not CSA Certified

+ Tested to UL 486A/B, UL File E6207

‡ Tested to UL 486A/B and UL 467, UL File E6207

TYPE CO

Features

- Manufactured from electrolytic seamless copper tubing
- Compact design
- Range taking
- Re-usable
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Bossed mounting holes
- Rated for 90° C

Benefits

- Provides maximum conductivity and strength
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Application versatility
- Acts as an anti-rotation device and prevents the connector from turning



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

| Catalog Number | Figure Number | Wire Range | Dimensions | | | | | | | |
|----------------|---------------|------------|------------|-------|--------------------------|-----------------------------|-----------------------------------|-----------------|--------------------------------------|-----------------------|
| | | | L | W | Height With Maximum Wire | Bossed Mounting Hole Tapped | Style Boss And Outside Dimensions | Top Hole Tapped | Top Hole And Inner Side Walls Tapped | Bottom Clearance Hole |
| CO3RP | 1 | 6-14 | 3/8 | 11/32 | 21/32 | 8-32 | Round .216-.220 | 1/4-28 | - | - |
| CO3SP | 1 | 6-14 | 3/8 | 11/32 | 21/32 | 10-32 | Square .216-.220 | 1/4-28 | - | - |
| CO4RP | 2 | 4-14 | 15/32 | 29/64 | 19/32 | 10-32 | Round .227-.231 | 5/16-24 | - | - |
| CO4SP | 2 | 4-14 | 15/32 | 29/64 | 19/32 | 10-32 | Square .227-.231 | 5/16-24 | - | - |
| CO4CW | 3 | 4-14 | 15/32 | 29/64 | 3/4 | - | - | - | 3/8-27 | .203 |
| CO4CP | 5 | 4-14 | 15/32 | 29/64 | 21/32 | - | - | 5/16-24 | - | .265 |
| CO4DD | 4 | 4-14 | 29/32 | 29/64 | 19/32 | 10-32 | Round .227-.231 | 5/16-24 | - | - |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

C

TYPE CO

Features

- Manufactured from electrolytic seamless copper tubing
- Compact design
- Range taking
- Re-usable
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Bossed mounting holes
- Rated for 90° C

Benefits

- Provides maximum conductivity and strength
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Application versatility
- Acts as an anti-rotation device and prevents the connector from turning



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

| Catalog Number | Figure Number | Wire Range | Dimensions | | | | | | | |
|----------------|---------------|--------------------|------------|---------|--------------------------|-----------------------------|-----------------------------------|-----------------|--------------------------------------|-----------------------|
| | | | L | W | Height With Maximum Wire | Bossed Mounting Hole Tapped | Style Boss And Outside Dimensions | Top Hole Tapped | Top Hole And Inner Side Walls Tapped | Bottom Clearance Hole |
| CO5RP | 1 | 1/0-6 | 5/8 | 9/16 | 29/32 | 10-32 | Round .227-.231 | 3/8-27 | - | - |
| CO5SP | 1 | 1/0-6 | 5/8 | 9/16 | 29/32 | 10-32 | Square .227-.231 | 3/8-27 | - | - |
| CO5CW | 1 | 1-14 | 5/8 | 17/32 | 3/4 | - | - | - | 7/16-20 | .205 |
| CO5SW | 2 | 1/0-14 | 5/8 | 17/32 | 11/16 | 12-24 | Square .248-.252 | - | 7/16-20 | - |
| CO6RP | 3 | 4/0-2 | 1 | 13/16 | 1-9/16 | 1/4-20 | Round .2825-.2875 | 9/16-24 | - | - |
| CO7 | 4 | 500kcmil-1/0 | 1-3/8 | 1-1/8 | 2-3/8 | 1/4-20 | Round .3025-.3225 | 5/8-18 | - | - |
| CO8 | 4 | 1000kcmil-250kcmil | 1-15/16 | 1-33/64 | 3-1/2 | 5/16-18 | Round .365-.380 | 3/4-16 | - | - |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

TYPE CO-PP

Features

- Manufactured from electrolytic seamless copper tubing
- Compact design
- Range taking
- Re-usable
- Bossed mounting holes
- Pressure plate
- Electro Tin Plated
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated for 90° C

Benefits

- Provides maximum conductivity and strength
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Acts as an anti-rotation device and prevents the connector from turning
- Prevents screw damage to the conductor
- Provides low contact resistance
- Application versatility

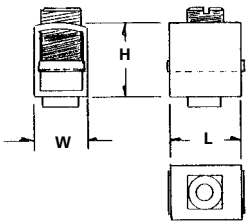


Fig. 1



Fig. 2

| Catalog Number | Figure Number | Wire Range | Dimensions | | | | | |
|----------------|---------------|--------------------|------------|---------|-------|--------------------------|--------------------|------------------------------|
| | | | L | W | H | Bottom Boss Size Outside | Bottom Boss Tapped | Set Screw In Top |
| D-2742+ | 1 | 1/0-6 | 47/64 | 9/16 | 61/64 | Round .227-.231 | 10-32 | 3/8-27 Steel Headless |
| D-2741+ | 1 | 1/0-6 | 47/64 | 9/16 | 61/64 | Square .227-.231 | 10-32 | 3/8-27 Steel Headless |
| D-2740+ | 2 | 4/0-2 | 1-9/64 | 13/16 | 1-5/8 | Round .2825-.2875 | 1/4-20 | 9/16-24 Steel Hex Head |
| D-2738+ | 2 | 500kcmil-1/0 | 1-21/32 | 1-1/8 | 2-3/8 | Round .3025-.3225 | 1/4-20 | 5/8-18 Steel-Cap Hex Head |
| D-2739+ | 2 | 1000kcmil-500kcmil | 2-1/4 | 1-33/64 | 3-1/2 | Round .365-.380 | 5/16-18 | 3/4-16 Steel-Cap Hex Head |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

+ UL Recognized for copper conductors only

Tested to UL 486A/B, UL File E6207

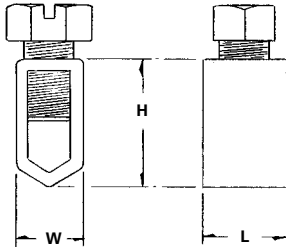
TYPE
SX

Features

- Manufactured from high strength copper tubing
- Compact design
- Versatile

Benefits

- Provides maximum conductivity for copper conductors
- Requires very little space
- Can be installed with either screwdriver, wrench, or pliers



C

| Catalog Number | Wire Range | Dimensions | | |
|----------------|------------|------------|-------|-------|
| | | L | W | H |
| SX-12 | 12str | 9/32 | 1/4 | 3/8 |
| SX-10-8 | 8-10str | 5/16 | 1/4 | 31/64 |
| SX-6+ | 6str | 7/16 | 11/32 | 11/16 |
| SX-4+ | 4str | 1/2 | 13/32 | 25/32 |
| SX-2 | 2str | 3/4 | 31/64 | 15/16 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
+ RUS Listed

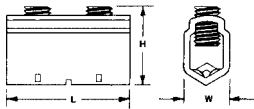
TYPE 2SC

Features

- Manufactured from electrolytic seamless copper tubing
- Compact design
- Range taking
- Re-usable
- V-bottom collar with serrations
- Two screw design
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated for 90° C

Benefits

- Provides maximum conductivity and strength
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Wires are held securely between set screws and v-bottom providing superior pullout strength
- For light duty applications
- Application versatility



C

| Catalog Number | Wire Range | Dimensions | | | Screw | Hex Size |
|----------------|--------------|------------|-------|--------|------------------|----------|
| | | L | W | H | | |
| 2SC-35 | 6-14 | 7/8 | 21/64 | 11/16 | Slotted Headless | Slot |
| 2SC-50 | 4-14 | 7/8 | 3/8 | 3/4 | Slotted Headless | Slot |
| 2SC-70 | 2-4 | 1 | 15/32 | 29/32 | Slotted Headless | Slot |
| 2SC-125 | 2/0-1/0 | 1-1/16 | 39/64 | 13/16 | Slotted Hex Head | Slot |
| 2SC-225 | 250kcmil-3/0 | 2-5/16 | 49/64 | 1-7/16 | Hex Head | 7/32 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

TYPE N

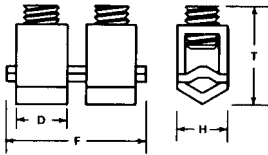
Features

- Manufactured from electrolytic copper tubing and strip stock
- Compact design
- Range taking
- Re-usable
- V-bottom collar
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated for 90° C

Benefits

- Provides maximum conductivity and strength
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Wires are wedged between arched pressure bar and collar establishing positive contact and firm permanent grip
- Application versatility

C



| Catalog Number | Wire Range | Dimensions | | | | Hex Size |
|----------------|-----------------------------|------------|--------|-----|---------|----------|
| | | D | F | H | T | |
| N-25 | 10-14 | 9/32 | 13/16 | 1-4 | 19/32 | Slot |
| N-35 | 6-14 & List Combination (A) | 7/16 | 1-3/16 | 3/8 | 11/16 | Slot |
| N-70 | 2-8 & List Combination (B) | 1/2 | 1-3/8 | 1/2 | 31/32 | Slot |
| N-225 | 4/0-2 | 1 | 2-9/16 | 1 | 1-21/32 | 7/32 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

(A) UL Listed wire combinations: (2) #10; (2) #12; (2) #14; (1) #12 and (1) #14; (1) #10 and (1) #12

(B) UL Listed wire combinations: (1) #8 and (1) #4; (1) #8 and (1) #6; (2) #4; (3) #8; (3) #6; (2) #8 and (1) #4; (2) #8 and (1) #6; (1) #6 and (1) #4; (2) #6

Tested to UL 486A/B, UL File E6207

TYPE MU LU

Features

- Manufactured from electrolytic copper tubing and strip stock
- Compact design
- Range taking
- Re-usable
- V-bottom collar (Type LU)
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated for 90° C

Benefits

- Provides maximum conductivity and strength
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Wires are wedged between arched pressure bar and collar establishing positive contact and firm permanent grip
- Application versatility

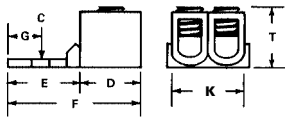


Fig. 1

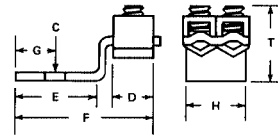


Fig. 2

| Catalog Number | Figure Number | Wire Range | Bolt Size | Collar Style | Dimensions | | | | | | | | Hex Size |
|----------------|---------------|-------------------|-----------|--------------|------------|--------|---------|---------|-------|-------|-------|--------|----------|
| | | | | | C | D | E | F | G | H | K | T | |
| MU-250 | 1 | Two: 250kcmil-6 | 3/8 | Square | 25/64 | 1 | 1-9/16 | 2-15/16 | 7/8 | 1-1/2 | 1-5/8 | 15/16 | 1/4 |
| MU-350 | 1 | Two: 350kcmil-1/0 | 1/2 | Round | 9/16 | 1-9/16 | 1-13/16 | 3-5/16 | 7/8 | 1-3/4 | 1-7/8 | 1-9/16 | 3/8 |
| MU-600 | 1 | Two: 600kcmil-4/0 | 1/2 | Round | 9/16 | 1-1/4 | 1-13/16 | 3-5/8 | 7/8 | 2-1/4 | 2-1/2 | 1-3/4 | 3/8 |
| LU-2 | 2 | Two: 4/0-2 | 3/8 | V-bottom | 13/32 | 1 | 1-15/16 | 3-11/32 | 15/16 | 1-1/2 | 1-5/8 | 1-7/8 | 7/32 |
| LU-4 | 2 | Two: 350kcmil-1/0 | 3/8 | V-bottom | 13/32 | 1-1/4 | 1-3/4 | 3-1/2 | 21/32 | 1-3/4 | 2 | 2-7/32 | 5/16 |
| LU-6 | 2 | Two: 500kcmil-1/0 | 1/2 | V-bottom | 17/32 | 1-1/2 | 2-3/16 | 4-7/16 | 27/32 | 2 | 2-1/4 | 2-9/16 | 5/16 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

C

Bronze, One Conductor Mechanical Lugs One Mounting Hole

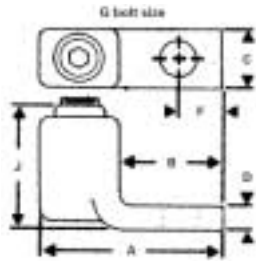
TYPE CL

Features

- Range taking
- Easily installed with a key wrench
- Convenient peep hole
- Re-usable
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated for 90° C

Benefits

- Permits inventories to be kept to a minimum
- Time savings
- Easy inspection
- Provides efficient use and flexibility in the field
- Application versatility



C

| Catalog Number | Wire Range | Dimensions | | | | | | |
|----------------|--------------------|------------|---------|---------|--------|-------|---------|--------|
| | | G | A | B | C | D | J | F |
| CL-1-8† | 8-14 | 1/4 | 1-1/8 | 9/16 | 1/2 | 1/8 | 17/32 | 9/32 |
| CL-1-1 | 1-4 | 1/4 | 1-5/8 | 13/16 | 5/8 | 7/32 | 1 | 11/32 |
| CL-1-2/0 | 2/0-1 | 3/8 | 1-15/16 | 1 | 13/16 | 1/4 | 1-3/16 | 7/16 |
| CL-1-4/0 | 4/0-2/0 | 3/8 | 2-3/8 | 1-1/4 | 1 | 9/32 | 1-13/32 | 17/32 |
| CL-1-300 | 300kcmil-4/0 | 1/2 | 2-3/4 | 1-1/2 | 1-3/16 | 5/16 | 1-17/32 | 5/8 |
| CL-1-500 | 500kcmil-300kcmil | 1/2 | 3-1/16 | 1-11/16 | 1-3/8 | 11/32 | 1-13/16 | 3/4 |
| CL-1-750 | 750kcmil-500kcmil | 1/2 | 3-25/32 | 2-3/16 | 1-5/8 | 13/32 | 2-1/8 | 1 |
| CL-1-1000 | 1000kcmil-750kcmil | 5/8 | 4-5/16 | 2-15/32 | 1-7/8 | 15/32 | 2-11/32 | 1-3/16 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

† With Filister head screw. All other, hex socket screw.

UL File E158587

Bronze, One Conductor Mechanical Lugs Two Mounting Hole

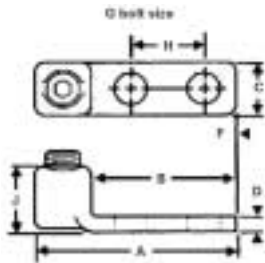
TYPE CL

Features

- Range taking
- Easily installed with a key wrench
- Convenient peep hole
- Re-usable
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated for 90° C

Benefits

- Permits inventories to be kept to a minimum
- Time savings
- Easy inspection
- Provides efficient use and flexibility in the field
- Application versatility



| Catalog Number | Wire Range | Dimensions | | | | | | | |
|----------------|--------------------|------------|---------|-------|--------|-------|---------|------|-------|
| | | G | A | B | C | D | J | F | H |
| CL-1-2/0N | 2/0-1 | 1/2 | 3-15/16 | 3 | 1 | 1/4 | 11/16 | 9/16 | 1-3/4 |
| CL-1-4/0N | 4/0-2/0 | 1/2 | 4-1/8 | 3 | 1 | 9/32 | 1-9/32 | 9/16 | 1-3/4 |
| CL-1-300N | 300kcmil-4/0 | 1/2 | 4-3/16 | 3 | 1-3/16 | 5/16 | 1-15/32 | 9/16 | 1-3/4 |
| CL-1-500N | 500kcmil-300kcmil | 1/2 | 4-7/8 | 3-1/2 | 1-3/8 | 11/32 | 1-13/16 | 9/16 | 1-3/4 |
| CL-1-750N | 750kcmil-500kcmil | 1/2 | 5-3/32 | 3-1/2 | 1-3/4 | 13/32 | 2-1/8 | 9/16 | 1-3/4 |
| CL-1-1000N | 1000kcmil-750kcmil | 1/2 | 5-1/4 | 3-1/2 | 3 | 15/32 | 2-1/8 | 9/16 | 1-3/4 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Furnished with bolt holes and spacing to fit equipment supplied with NEMA type connector mounting pads.

UL File E158587

C

TYPE HL

Features

- Manufactured from high strength cast bronze
- Range taking
- Re-usable
- Pressure pad/saddle
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated for 90° C

Benefits

- Provides maximum conductivity and a high degree of breakage resistance
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Provides positive grip and low contact resistance.
- Application versatility

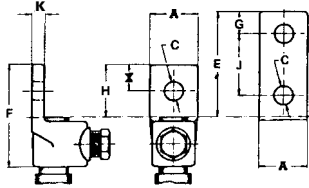


Fig. 1



Fig. 2

| Catalog Number | Figure Number | Wire Range | Bolt Size | Dimensions | | | | | | | | |
|----------------|---------------|-------------------|-----------|------------|-------|-------|---------|-------|-------|-------|-------|--|
| | | | | A | C | E | F | G | H | J | K | |
| HL4-1 | 1 | 4 str-8 sol | 1/4 | 9/16 | 9/32 | 5/8 | 1-1/4 | 5/16 | 5/8 | - | 3/16 | |
| HL8-1 | 1 | 1str-4 sol | 1/4 | 3/4 | 9/32 | 11/16 | 1-9/16 | 11/32 | 11/16 | - | 7/32 | |
| HL13-1 | 1 | 2/0 str-1 str | 3/8 | 13/16 | 13/32 | 7/8 | 1-7/8 | 7/16 | 7/8 | - | 7/32 | |
| HL21-1 | 1 | 4/0 str-2/0 str | 3/8 | 1 | 7/16 | 1 | 2-3/16 | 1/2 | 1 | - | 1/4 | |
| HL30-1 | 1 | 300kcmil-4/0 str | 1/2 | 1-1/16 | 9/16 | 1-1/4 | 2-1/2 | 5/8 | 1-1/4 | - | 5/16 | |
| HL35-1 | 1 | 350kcmil-250kcmil | 1/2 | 1-3/16 | 9/16 | 1-1/4 | 2-9/16 | 5/8 | 1-1/4 | - | 5/16 | |
| HL50-1 | 1 | 500kcmil-300kcmil | 1/2 | 1-3/8 | 9/16 | 1-1/2 | 3 | 3/4 | 1-3/8 | - | 11/32 | |
| HL75-1 | 1 | 750kcmil-500kcmil | 5/8 | 1-5/8 | 11/16 | 1-3/4 | 3-7/16 | 7/8 | 1-3/4 | - | 3/8 | |
| HL35-2N | 2 | 350kcmil-250kcmil | 1/2 | 1-1/2 | 9/16 | 3 | 4-1/4 | 5/8 | 3 | 1-3/4 | 5/16 | |
| HL50-2N | 2 | 500kcmil-300kcmil | 1/2 | 1-1/2 | 9/16 | 3 | 4-7/16 | 5/8 | 3 | 1-3/4 | 11/32 | |
| HL75-2N | 2 | 750kcmil-500kcmil | 1/2 | 1-5/8 | 9/16 | 3 | 4-11/16 | 5/8 | 3 | 1-3/4 | 3/8 | |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E158587

TYPE CL

Features

- Range taking
- Easily installed with a key wrench
- Convenient peep hole
- Re-usable
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated for 90° C

Benefits

- Permits inventories to be kept to a minimum
- Time savings
- Easy inspection
- Provides efficient use and flexibility in the field
- Application versatility

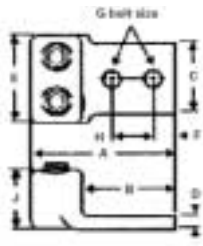


Fig. 1

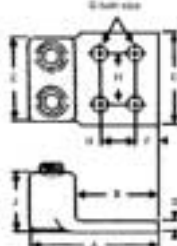


Fig. 2

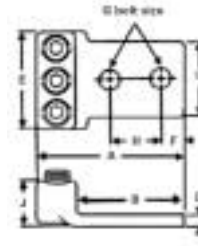


Fig. 3

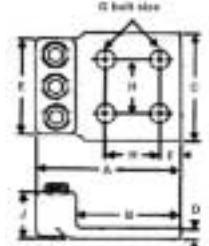


Fig. 4

| Catalog Number | Figure Number | Wire Range | Dimensions | | | | | | | | |
|----------------|---------------|--------------------|------------|---------|---------|-------|-------|---------|------|--------|---------|
| | | | G | A | B | C | D | E | F | H | J |
| CL-2-8† | 1 | 8-14 | 1/4 | 2-3/16 | 1-3/4 | 5/8 | 1/8 | 11/16 | 9/32 | 5/8 | 15/32 |
| CL-2-4† | 1 | 4-8 | 1/4 | 2-1/2 | 2 | 1 | 1/8 | 1 | 9/32 | 5/8 | 17/32 |
| CL-2-1 | 1 | 1-4 | 3/8 | 2-13/16 | 2 | 1-1/4 | 7/32 | 1-1/4 | 7/16 | 1 | 19/32 |
| CL-2-2/0 | 1 | 2/0-1 | 1/2 | 4-7/16 | 3-1/2 | 1-1/2 | 1/4 | 1-9/16 | 5/8 | 1-3/4 | 13/32 |
| CL-2-4/0 | 1 | 4/0-2/0 | 1/2 | 4-5/8 | 3-1/2 | 1-3/4 | 9/32 | 1-3/4 | 5/8 | 1-3/4 | 15/16 |
| CL-2-300 | 1 | 300kcmil-4/0 | 1/2 | 4-3/4 | 3-1/2 | 2 | 5/16 | 2-1/8 | 5/8 | 13-3/4 | 1-9/16 |
| CL-2-500 | 1 | 500kcmil-300kcmil | 1/2 | 5-3/8 | 3-15/16 | 2-1/2 | 11/32 | 2-1/2 | 5/8 | 1-3/4 | 1-13/16 |
| CL-2-700 | 2 | 700kcmil-500kcmil | 1/2 | 5-19/32 | 4 | 4 | 13/32 | 2-15/16 | 5/8 | 1-3/4 | 2-1/8 |
| CL-2-1000 | 2 | 1000kcmil-750kcmil | 1/2 | 5-27/32 | 4 | 4 | 15/32 | 3-1/4 | 5/8 | 1-3/4 | 2-11/32 |
| CL-3-4/0 | 3 | 4/0-2/0 | 1/2 | 4-5/8 | 3-3/8 | 2-1/2 | 9/32 | 2-3/4 | 5/8 | 1-3/4 | 15/16 |
| CL-3-300 | 3 | 300kcmil-4/0 | 1/2 | 4-3/4 | 3-1/2 | 3 | 5/16 | 3-1/4 | 5/8 | 1-3/4 | 1-17/32 |
| CL-3-500 | 4 | 500kcmil-300kcmil | 1/2 | 5-3/8 | 4 | 4 | 11/32 | 3-3/4 | 5/8 | 1-3/4 | 1-13/16 |
| CL-3-750 | 4 | 750kcmil-500kcmil | 1/2 | 5-19/32 | 4 | 4 | 13/32 | 4-3/8 | 5/8 | 1-3/4 | 2-1/8 |
| CL-3-1000 | 4 | 1000kcmil-750kcmil | 1/2 | 5-27/32 | 4 | 4 | 15/32 | 4-13/16 | 5/8 | 1-3/4 | 2-11/32 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

† With Filister Head Screw

UL File E158587

TYPE H2L

Features

- Manufactured from high strength cast bronze
- Range taking
- Re-usable
- Compact design
- Pressure pad/saddle
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated for 90° C

Benefits

- Provides maximum conductivity and a high degree of breakage resistance
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Requires less space than two individual connectors
- Provides positive grip and low contact resistance
- Application versatility

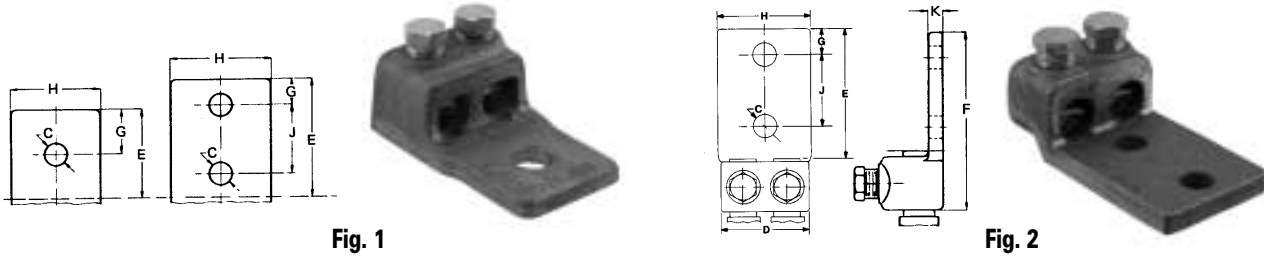


Fig. 1

Fig. 2

| Catalog Number | Figure Number | Wire Range | | Bolt Size | Dimensions | | | | | | | |
|----------------|---------------|------------|----------|-----------|------------|--------|-------|---------|-----|-------|-------|------|
| | | Minimum | Maximum | | C | D | E | F | G | H | J | K |
| H2L-13-1 | 1 | 1 str | 2/0 str | 1/2 | 9/16 | 1-5/8 | 1-1/2 | 2-1/2 | 3/4 | 1-5/8 | - | 7/32 |
| H2L-21-1 | 1 | 2/0 str | 4/0 str | 1/2 | 9/16 | 1-3/4 | 1-3/4 | 2-15/16 | 7/8 | 1-7/8 | - | 5/16 |
| H2L-21-2N | 2 | 2/0 str | 4/0 str | 1/2 | 9/16 | 1-3/4 | 3 | 4-3/16 | 5/8 | 1-7/8 | 1-3/4 | 5/16 |
| H2L-30-2N | 2 | 4/0 str | 300kcmil | 1/2 | 9/16 | 2 | 3 | 4-3/8 | 5/8 | 2 | 1-3/4 | 5/16 |
| H2L-35-2N | 2 | 250kcmil | 350kcmil | 1/2 | 9/16 | 2-1/8 | 3 | 4-7/16 | 5/8 | 2-1/4 | 1-3/4 | 5/16 |
| H2L-50-2N | 2 | 300kcmil | 500kcmil | 1/2 | 9/16 | 2-7/16 | 3 | 4-1/2 | 5/8 | 2-1/2 | 1-3/4 | 3/8 |
| H2L-75-2N | 2 | 500kcmil | 750kcmil | 1/2 | 9/16 | 3-1/16 | 3 | 4-11/16 | 5/8 | 3 | 1-3/4 | 7/16 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E158587

Bronze Mechanical Lugs

Three Conductor, Two Mounting Hole

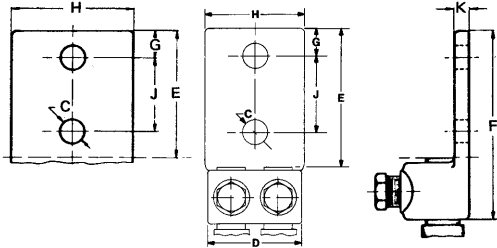
TYPE H3L

Features

- Manufactured from high strength cast bronze
- Range taking
- Re-usable
- Compact design
- Pressure pad/saddle
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated for 90° C

Benefits

- Provides maximum conductivity and a high degree of breakage resistance
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Requires less space than three individual connectors
- Provides positive grip and low contact resistance
- Application versatility



C

| Catalog Number | Wire Range | | Bolt Size | Dimensions | | | | | | | |
|----------------|------------|----------|-----------|------------|--------|---|--------|-----|-------|-------|------|
| | Minimum | Maximum | | C | D | E | F | G | H | J | K |
| H3L-21-2N | 2/0 str | 4/0 str | 1/2 | 9/16 | 2-5/8 | 3 | 4-3/16 | 5/8 | 1-7/8 | 1-3/4 | 5/16 |
| H3L-30-2N | 4/0 str | 300kcmil | 1/2 | 9/16 | 3-1/16 | 3 | 4-3/8 | 5/8 | 2-3/8 | 1-3/4 | 5/16 |
| H3L-35-2N | 250kcmil | 350kcmil | 1/2 | 9/16 | 3-3/16 | 3 | 4-7/16 | 5/8 | 2-3/8 | 1-3/4 | 5/16 |
| H3L-50-2N | 300kcmil | 500kcmil | 1/2 | 9/16 | 3-5/8 | 3 | 4-1/2 | 5/8 | 2-1/2 | 1-3/4 | 3/8 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E158587

TYPE CGRC

Features

- Manufactured from bronze alloy
- Supplied with stainless steel hardware
- UL 467 Listed for direct burial and CSA Certified

Benefits

- Ensures maximum strength and durability
- Suitable for direct burial in earth or concrete
- Ensures a safe and reliable grounding connection



| Catalog Number | Ground Rod | | Rebar | | Dimensions - in. (mm) | | |
|----------------|------------|------------|-------|------------|-----------------------|--------------|--------------|
| | Size | Wire Range | Size | Wire Range | W | H | L |
| CGRC-38 + | 3/8 | 4-10 | #3 | 4-10 | 0.472 (12.0) | 1.025 (26.0) | 0.695 (17.7) |
| CGRC-48 | 1/2 | 2-10 | #4 | 2-10 | 0.615 (15.6) | 1.220 (31.0) | 0.775 (19.7) |
| CGRC-58 | 5/8 | 2-10 | #5 | 4-10 | 0.625 (15.9) | 1.370 (34.8) | 0.930 (23.6) |
| CGRC-68 | 3/4 | 2-10 | #6 | 4-10 | 0.645 (16.4) | 1.543 (39.2) | 1.118 (28.4) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

+ CGRC-38 is not UL Listed

Tested to UL 467, UL File E34440

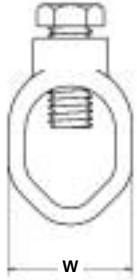
TYPE BGRC

Features

- Manufactured from cast bronze
- Supplied with silicone bronze hardware
- UL 467 Listed for direct burial and CSA Certified

Benefits

- Ensures maximum strength and durability
- Suitable for direct burial in earth or concrete
- Ensures a safe and reliable grounding connection



C

| Catalog Number | Ground Rod | | Rebar | | Dimensions - in. (mm) | | |
|----------------|------------|------------|-------|------------|-----------------------|--------------|--------------|
| | Size | Wire Range | Size | Wire Range | W | H | L |
| BGRC-48 | 1/2 | 2-10 | - | - | 0.892 (22.7) | 1.270 (32.3) | 0.822 (26.2) |
| BGRC-58 | 5/8 | 1/0-8 | #5 | 1/0-8 | 1.031 (26.2) | 1.428 (36.3) | 0.925 (23.5) |
| BGRC-68 | 3/4 | 1/0-8 | - | - | 1.031 (26.2) | 1.550 (39.4) | 1.040 (27.2) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 467, UL File E34440

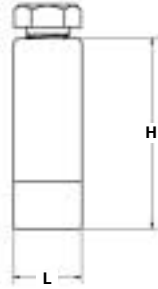
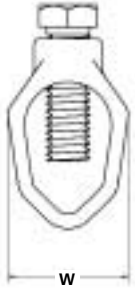
TYPE
SRC

Features

- Manufactured from bronze alloy
- Supplied with stainless steel hardware
- UL 467 Listed for direct burial and CSA Certified
- Range taking

Benefits

- Ensures maximum strength and superior conductivity
- Suitable for direct burial in earth or concrete
- Ensures a safe and reliable grounding connection
- Reduces inventory requirement



| Catalog Number | Ground Rod | | Dimensions - in. (mm) | | |
|----------------|----------------|------------------|-----------------------|--------------|--------------|
| | Size | Wire Range | W | H | L |
| SRC-1/0 | 3/8*, 1/2, 5/8 | 1/0 str - 10 sol | 0.892 (22.7) | 1.270 (32.3) | 0.750 (19.1) |
| | 3/4 | 1/0 str - 8 sol | 0.590 (15.0) | 1.666 (42.3) | 1.031 (26.2) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

*SRC-1/0 is not UL Listed with a 3/8" ground rod

Tested to UL 467, UL File E34440

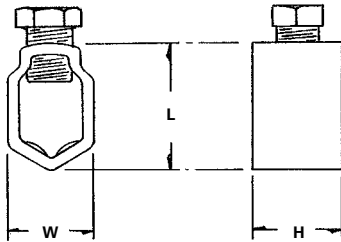
TYPE GRC

Features

- Manufactured from seamless bronze tubing
- Supplied with silicon bronze screw
- Suitable for grounding and bonding in applications such as swimming pools and spas
- Copper conductor only

Benefits

- Provides maximum strength and superior conductivity
- Ground rod clamp is suitable for direct burial in earth or concrete



C

| Catalog Number | Ground Rod Size | Ground Wire Range | Rebar Size | Rebar Wire Range | Dimensions | |
|----------------|-----------------|---------------------------------------|------------|------------------|------------|--------|
| | | | | | L | W |
| GRC-38 | 3/8 | 4-10 | #3 | 4-10 | 5/8 | 5/8 |
| GRC-58+ | 5/8 | 2-8 | - | - | 15/16 | 7/8 |
| GRC-68 | 3/4, 5/8 | 2-8 for 3/4 rod, 1/0-8 for 5/8 rod | #5 | 1/0-8 | 1 | 1 |
| GRC-75* | 3/4 | 3/0-8 | - | - | 3/4 | 1-5/32 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Plain copper finish.

+ RUS Listed.

* Not UL Listed.

Tested to UL 467, UL File E34440

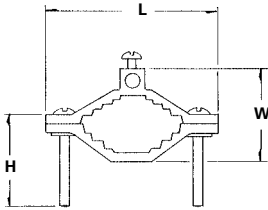
TYPE
DCGC

Features

- Manufactured from die cast zinc alloy
- Assembled with zinc plated steel hardware
- Copper conductor only

Benefits

- Provides maximum durability while providing economy
- Provides corrosion resistance



| Catalog Number | Conduit Size | Ground Wire Range | L | W | H |
|----------------|--------------|-------------------|---------|-------|-------|
| DCGC-1 | 1/2, 3/4, 1 | 2-8 | 2-13/64 | 1-3/8 | 1-1/2 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E158587

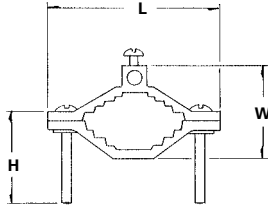
TYPE BGC

Features

- Manufactured from cast brass
- Type BGC-DB supplied with stainless steel or silicon bronze hardware
- Copper conductor only

Benefits

- Provides maximum conductivity and strength
- BGC-1DB and BGC-2DB are suitable for direct burial in earth or concrete. Can be used to ground swimming pools and spas.



C

| Catalog Number | Pipe Size | Ground Wire Range | Dimensions | | |
|----------------|-----------------|-------------------|------------|--------|-------|
| | | | L | W | H |
| BGC-1 | 1/2, 3/4, 1 | 2-10 | 2-9/32 | 1-7/16 | 1-1/2 |
| BGC-2 | 1-1/4, 1-1/2, 2 | 2-10 | 3-9/16 | 2-1/4 | 2 |
| BGC-1DB* | 1/2, 3/4, 1 | 2-10 | 2-9/32 | 1-7/16 | 1-1/2 |
| BGC-2DB* | 1-1/4, 1-1/2, 2 | 2-10 | 3-8/16 | 2-1/4 | 2 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* Suitable for direct burial in earth or concrete

UL File E158587

TYPE BGC

Features

- Manufactured from cast bronze
- Versatile

- Copper conductor only

Benefits

- Provides maximum conductivity and strength
- Type BGC supplied with conduit hub for 1/2"-1" rigid conduit; type BGC-A can be used for bare or armoured cable

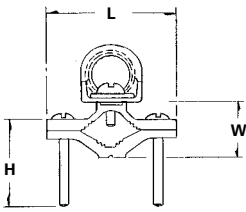


Fig. 1

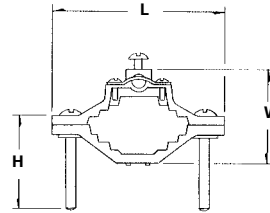


Fig. 2

| Catalog Number | Figure Number | Pipe Size | Conduit Hub Size | Wire Range | Dimensions | | |
|----------------|---------------|-----------|------------------|------------|------------|--------|---------|
| | | | | | H | W | L |
| BGC1-50 | 1 | 1/2-1 | 1/2 | 4str-8sol | 1-1/2 | 1-1/32 | 2-1/4 |
| BGC1-75 | 1 | 1/2-1 | 3/4 | 4str-8sol | 1-1/2 | 1-1/32 | 2-1/4 |
| BGC1-10 | 1 | 1/2-1 | 1 | 4str-8sol | 1-1/2 | 1-1/32 | 2-1/4 |
| BGC2-50 | 1 | 1-1/4-2 | 1/2 | 4str-8sol | 2 | 1-3/4 | 3-19/32 |
| BGC2-75 | 1 | 1-1/4-2 | 3/4 | 4str-8sol | 2 | 1-3/4 | 3-19/32 |
| BGC2-10 | 1 | 1-1/4-2 | 1 | 4str-8sol | 2 | 1-3/4 | 3-19/32 |
| BGC-1A* | 2 | 1/2-1 | - | 4str-8sol | 1-1/2 | 1-3/8 | 2-1/4 |
| BGC-2A | 2 | 1-1/4-2 | - | 4str-8sol | 2 | 2-3/32 | 3-19/32 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* CSA Certified

UL File E158587

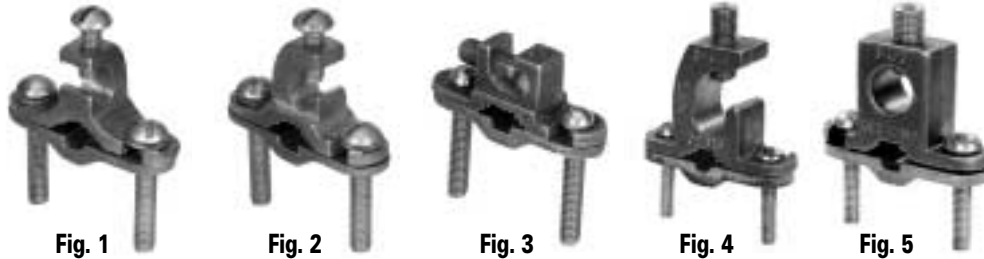
TYPE BGDB

Features

- Manufactured from bronze alloy
- UL Listed for direct burial in earth or concrete
- Lay-In feature

Benefits

- Ensures maximum strength and superior conductivity
- Ensures reliability
- Reduces installation time



| Catalog Number | Figure Number | Pipe Size | Rebar Size | Ground Rod Size | Ground Wire Range | Screw Material | Dimensions | |
|----------------|---------------|-----------|------------|-----------------|-----------------------|-----------------|------------|-------|
| | | | | | | | L | W |
| BGC-2T-DB* | 1 | 1/2-1 | 3/8-1 | 1/2-1 | 2str-10sol | silicon bronze | 2-3/4 | 2-1/4 |
| BGC-2P-DB* | 2 | 1/2-1 | 3/8-1 | 1/2-1 | 2str-10sol | silicon bronze | 2-3/4 | 2-1/4 |
| BGC-2PS-DB+ | 3 | 1/2-1 | 3/8-1 | 1/4-1 | 2str-10sol 2 #8sol | stainless steel | 2-1/4 | 2-1/4 |
| BGC-4/0P-DB=## | 4 | 1/2-1 | 3/8-1 | 1/2-1 | 4/0-8str | stainless steel | 3 | 2-1/4 |
| BGC-4/0S-DB=## | 5 | 1/2-1 | 3/8-1 | 1/2-1 | 4/0-8str | stainless steel | 2-3/4 | 2-1/4 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* UL File E207816

+ UL File E198108

= UL File E178441

Not RoHS compliant

TYPE BGCS

Features

- UL Listed and CSA Certified
- Conduit hub for 1/2" thru 1" rigid conduit
- Zinc plated screws
- ETP copper strap
- For copper conductor only

Benefits

- Ensures reliability
- Range taking
- Corrosion resistance
- Protects conduit system from vibrations and provides maximum conductivity



Fig. 1

Fig. 2

Fig. 3

Fig. 4

| Catalog Number | Figure Number | Water Pipe Range | Conduit Hub Size | Ground Wire Range |
|----------------|---------------|------------------|------------------|-------------------|
| CH-1 | 1 | - | 1 | 3/0 AWG - 10sol |
| CH-34 | 1 | - | 3/4 | 2/0 AWG - 10sol |
| J2124 | 2 | 2-1/2-4 | - | 4str - 10sol |
| J6 | 2 | 4-1/2-6 | - | 4str - 10sol |
| BGC-1-50S | 3 | 1/2-1 | 1/2 | 8sol - 4str |
| BGC-1-75S | 3 | 1/2-1 | 3/4 | 8sol - 4str |
| BGC-1-10S | 3 | 1/2-1 | 1 | 8sol - 4str |
| BGC-1-50SH | 4 | 1/2-1 | 1/2 | 2/0 - 10 |
| BGC-1-75SH | 4 | 1/2-1 | 3/4 | 2/0 - 10 |
| BGC-1-10SH | 4 | 1/2-1 | 1 | 2/0 - 10 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E207816

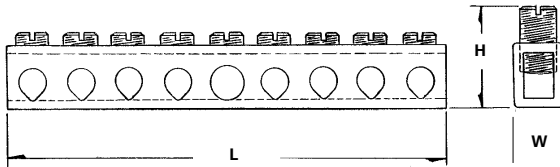
TYPE D167

Features

- Manufactured from high strength copper tubing
- Range taking
- UL Recognized for 600 volts

Benefits

- Provides maximum conductivity
- A wide range of conductor sizes can be used in the same connector
- Ensures reliability for copper conductor



C

| Catalog Number | Number Of Taps | Wire Range | | Dimensions | | | | | Mounting Hole Positions | |
|----------------|----------------|------------|------|------------|--------------------------|-------|-----------|--------------------|--|------------------------|
| | | Main | Tap | L | Height With Maximum Wire | W | Bolt Size | Two Mounting Holes | From End Of Bar To First Mounting Hole | Distance Between Holes |
| D167-4 | 4 | 4-14 | 6-14 | 2-3/4 | 3/4 | 11/32 | #10 | 13/64 | .581 (2nd hole) | 1.98 |
| D167-6 | 6 | 4-14 | 6-14 | 3-1/2 | 3/4 | 11/32 | #10 | 13/64 | .978 (3rd hole) | 1.98 |
| D167-8 | 8 | 4-14 | 6-14 | 4-7/16 | 3/4 | 11/32 | #10 | 13/64 | 1.375 (4th hole) | 1.98 |
| D167-10 | 10 | 4-14 | 6-14 | 5-1/8 | 3/4 | 11/32 | #10 | 13/64 | 1.772 (5th hole) | 1.98 |
| D167-12 | 12 | 4-14 | 6-14 | 5-15/16 | 3/4 | 11/32 | #10 | 13/64 | 2.169 (6th hole) | 1.98 |
| D167-14 | 14 | 4-14 | 6-14 | 6-23/32 | 3/4 | 11/32 | #10 | 13/64 | 2.566 (7th hole) | 1.98 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B and UL 467, UL File E6207

TYPE CAN

Features

- Manufactured from high strength copper tubing
- Compact design
- Range taking
- Circuit bars inserted at a 20 angle
- Copper conductor only

Benefits

- Provides maximum conductivity
- Up to 42 circuit taps can be made in just 5 1/2" of space
- A wide range of conductor sizes can be used in the same connector
- Provides easy wire insertion



Fig. 1

Fig. 2

Fig. 3

Fig. 4

| Catalog Number | Figure Number | Number Of Taps | Wire Range | | Dimensions | | | |
|----------------|---------------|--|------------|------|------------|--------------------------|---------|---------------------------|
| | | | Main | Tap | L | Height With Maximum Wire | W | Two Tapped Mounting Holes |
| CAN-300 | 1 | 24 | 250kcmil-6 | 6-14 | 2-5/16 | 1-5/16 | 5-1/8 | 10-32 |
| CAN-301 | 1 | 30 | 250kcmil-6 | 6-14 | 3 | 1-5/16 | 4-13/32 | 10-32 |
| CAN-302 | 1 | 36 | 250kcmil-6 | 6-14 | 3 | 1-5/16 | 5-1/8 | 10-32 |
| CAN-303 | 1 | 42 | 250kcmil-6 | 6-14 | 3 | 1-7/16 | 5-1/2 | 10-32 |
| R-16 | 2 | Mounting block of general purpose (phenolic black) suitable for mounting any of CAN Neutrals. 2-1/2" wide x 2-1/2" long x 1" thick. | | | | | | |
| E-223 | 3 | 10-32 x 1/2" round head steel machine screws for fastening neutrals to mounting blocks. (Use lock washer to provide rigid assembly.) | | | | | | |
| E-153 | 3 | 1/4-28 wire pressure screw 7/16" long. Screw is steel, zinc plated and chromate dipped. | | | | | | |
| N-174‡ | 4 | Supplied in 5' 9" lengths. Approximately 174 outlets. Wire range 14-6. | | | | | | |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Tested to UL 486A/B, UL File E6207

‡ Tested to UL 486A/B and UL 467, UL File E6207

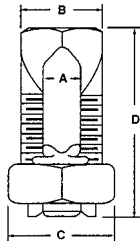
TYPE IK

Features

- Manufactured from high strength copper alloy
- Precision tooled threads
- UL 467 Listed for Grounding and Bonding 500kcmil thru 8
- CSA Certified for Grounding and Bonding 250kcmil thru 8
- RUS Accepted 8 thru 1/0 AWG
- For use with copper conductor types: Solid, Compact, Compressed, Concentric
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90° C

Benefits

- Provides maximum conductivity and high breakage resistance
- Allows maximum torque to be applied
- Suitable for direct burial in earth and concrete
- Application versatility



C

| Catalog Number | Range For Equal Main & Tap | Min. Tap With One Max. Main | Max. Cond Copperweld | | Rebar With 6 or 8 AWG | Wire Diameter | Dimensions | | | | Recommended Torque (IN-LB) |
|----------------|----------------------------|-----------------------------|----------------------|--------|-----------------------|---------------|------------|-------|-------|-------|----------------------------|
| | | | Str | Type A | | | A | B | C | D | |
| IK-10 | 10str - 16str | 16str | - | - | N/A | .057 - .125 | .125 | 0.344 | 0.500 | 0.719 | 80 |
| IK-8 | 8str - 16str | 16str | - | - | N/A | .057 - .145 | .145 | 0.375 | 0.500 | 0.844 | 80 |
| IK-6 | 6sol - 10sol | 16sol | - | - | N/A | .102 - .162 | .165 | 0.500 | 0.625 | 1.047 | 165 |
| IK-4 | 4sol - 8sol | 16sol | 3 No. 12 | 8A | N/A | .128 - .204 | .215 | 0.562 | 0.688 | 1.047 | 165 |
| IK-3 | 2sol - 6sol | 12sol | 3 No. 9 | 5A | N/A | .162 - .258 | .328 | 0.688 | 0.812 | 1.312 | 275 |
| IK-2 | 2str - 6sol | 14str | 3 No. 7 | 3A | N/A | .162 - .292 | .328 | 0.688 | 0.812 | 1.312 | 275 |
| IK-1/0 | 1/0str - 4sol | 14sol | 3 No. 6 | 2A | N/A | .204 - .375 | .377 | 0.750 | 0.875 | 1.641 | 385 |
| IK-2/0 | 2/0str - 2sol | 14str | 3 No. 5 | - | #3 (3/8) | .258 - .418 | .420 | 0.812 | 1.000 | 1.812 | 385 |
| IK-3/0 | 3/0str - 2sol | 12sol | 7 No. 7 | - | N/A | .258 - .470 | 0.466 | 0.875 | 1.125 | 2.000 | 500 |
| IK-250 | 250kcmil - 1/0sol | 10sol | 7 No. 5 | - | #4 (1/2) | .325 - .575 | 0.579 | 1.000 | 1.312 | 2.078 | 650 |
| IK-350 | 350kcmil - 4/0str | 8sol | 19 No. 7 | - | #5 (5/8) | .528 - .682 | 0.746 | 1.500 | 1.625 | 2.625 | 650 |
| IK-500 | 500kcmil - 250kcmil | 8sol | 19 No. 6 | - | #6 (3/4) | .575 - .815 | 0.834 | 1.625 | 1.812 | 3.000 | 825 |
| IK-750 | 750kcmil - 350kcmil | 8sol | 19 No. 5 | - | N/A | .682 - .999 | 1.030 | 1.938 | 2.125 | 3.750 | 1000 |
| IK-1000 | 1000kcmil - 500kcmil | 8sol | - | - | N/A | .815 - 1.153 | 1.222 | 2.250 | 2.500 | 4.000 | 1100 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E6207

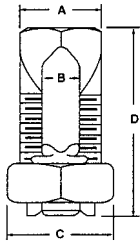
TYPE IK3

Features

- Manufactured from high strength copper alloy
- Precision tooled threads
- UL 467 Listed and CSA Certified for Grounding and Bonding
- RUS Accepted
- For use with copper conductor types: Solid, Compact, Compressed, Concentric
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90° C

Benefits

- Provides maximum conductivity and high breakage resistance
- Allows maximum torque to be applied
- Suitable for direct burial in earth and concrete
- Application versatility



| Catalog Number | Range For Equal Main & Tap | Min. Tap With One Max. Main | Max Cond Copperweld | | Wire Diameter Range | Dimensions | | | | Recommended Torque (IN-LB) |
|----------------|----------------------------|-----------------------------|---------------------|--------|---------------------|------------|-------|-------|-------|----------------------------|
| | | | Str | Type A | | A | B | C | D | |
| IK3-8 | 8str - 16str | 16str | - | - | .057 - .145 | 0.144 | 0.375 | 0.500 | 0.844 | 80 |
| IK3-6 | 6sol - 10sol | 16sol | - | - | .102 - .162 | 0.166 | 0.500 | 0.625 | 1.109 | 165 |
| IK3-4 | 4sol - 8sol | 16sol | 3 No. 12 | 8A | .128 - .204 | 0.217 | 0.562 | 0.688 | 1.266 | 165 |
| IK3-2 | 2str - 6sol | 14str | 3 No. 7 | 3A | .162 - .258 | 0.326 | 0.688 | 0.812 | 1.547 | 275 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E6207

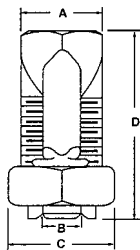
TYPE SK

Features

- Manufactured from high strength copper alloy
- Electro-tin plated bolt, nut, spacer and pressure bar
- Precision tooled threads
- SK-10, SK-8, SK3, SK-2 SK-1/0, SK-2/0 are RUS Accepted
- For use with copper conductor types: Solid, Compact, Compressed, Concentric
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- For aluminum conductor consult factory
- Rated to 90° C

Benefits

- Provides maximum conductivity and high breakage resistance
- Provides low contact resistance
- Application versatility



C

| Catalog Number | Range For Equal Main & Tap | Min. Tap With One Max. Main | Max Cond Copperweld | | Wire Diameter Range | Dimensions | | | | Recommended Torque (IN-LB) |
|----------------|----------------------------------|-----------------------------|---------------------|--------|---------------------|------------|-------|-------|-------|----------------------------|
| | | | Str | Type A | | A | B | C | D | |
| SK-10 | 10str - 16str | 16str | - | - | .057 - .116 | .144 | 0.375 | 0.500 | 0.844 | 80 |
| SK-8 | 8str - 16str | 16str | - | - | .057 - .145 | 0.144 | 0.375 | 0.500 | 0.844 | 80 |
| SK-6 | 8str - 14str | 14str | - | - | .073 - .146 | .166 | 0.500 | 0.625 | 1.109 | 165 |
| SK-4 | 6str - 10str | 10sol | 3 No. 12 | 8A | .116 - .184 | 0.217 | 0.562 | 0.688 | 1.266 | 165 |
| SK-3 | 4str - 8sol AL 2sol - 8sol CU | 8sol AL 8sol CU | 3 No. 9 | 5A | .128 - .258 | 0.326 | 0.688 | 0.812 | 1.547 | 275 |
| SK-2 | 2str - 8sol | 8sol | 3 No. 7 | 3A | .128 - .316 | 0.326 | 0.688 | 0.812 | 1.547 | 275 |
| SK-1/0 | 1/0str - 6sol | 10sol | 3 No. 6 | - | .162 - .375 | 0.376 | 0.750 | 0.875 | 1.641 | 385 |
| SK-2/0 | 2/0str - 6str | 10sol | 3 No. 5 | - | .184 - .419 | .420 | 0.812 | 1.000 | 1.812 | 385 |
| SK-3/0 | 3/0str - 4str | 6sol | 7 No. 7 | - | .198 - .470 | 0.466 | 0.875 | 1.125 | 2.000 | 500 |
| SK-250 | 250kcmil - 4str | 4str | 7 No. 5 | - | .232 - .575 | 0.577 | 1.000 | 1.312 | 2.328 | 650 |
| SK-350 | 350kcmil - 3/0str | 1sol | 19 No. 7 | - | .447 - .682 | 0.746 | 1.500 | 1.625 | 2.625 | 650 |
| SK-500 | 500kcmil - 3/0str | 1/0str | 19 No. 6 | - | .447 - .815 | 0.834 | 1.625 | 1.812 | 3.000 | 825 |
| SK-750 | 750kcmil - 250kcmil | 2/0str | 19 No. 5 | - | .563 - .999 | 1.030 | 1.938 | 2.125 | 3.750 | 1000 |
| SK-1000 | 1000kcmil - 350kcmil | 4/0str | - | - | .682 - 1.162 | 1.222 | 2.250 | 2.500 | 4.000 | 1100 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E12822

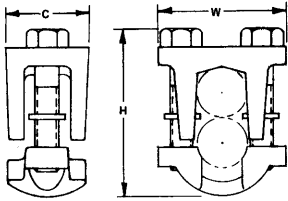
TYPE IKB

Features

- Manufactured from high strength copper alloy
- Two bolt design
- Longer peened bolt
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- For copper conductor only
- Rated to 90° C

Benefits

- Allows maximum conductivity and high breakage resistance
- Allows maximum pressure to be applied directly to the conductor strands
- Permits a swivel action for easier installation
- Application versatility



C

| Catalog Number | Copper Wire Range | | Dimensions | | |
|----------------|--------------------|---------------|------------|------|------|
| | Main | Tap | C | H | W |
| IKB-4/0 + | 1/0-4/0 | 4/0-10 | 1.10 | 1.97 | 1.72 |
| IKB-350 + | 350kcmil-250kcmil | 350kcmil-10 | 1.38 | 2.48 | 2.14 |
| IKB-500 | 500kcmil-400kcmil | 500kcmil-10 | 1.50 | 2.80 | 2.25 |
| IKB-800 | 800kcmil-400kcmil | 800kcmil-3/0 | 1.62 | 3.32 | 2.50 |
| IKB-1000 | 1000kcmil-500kcmil | 1000kcmil-3/0 | 2.00 | 3.78 | 3.03 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

+ RUS Listed

Tested to UL 486A/B, UL File E6207

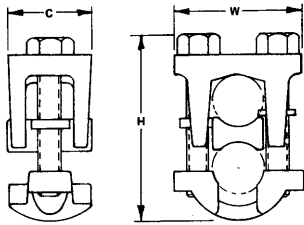
TYPE IKS

Features

- Manufactured from high strength copper alloy
- Electro-tin plated
- Two bolt design
- Longer peened bolt
- Serrated spacer bar
- For copper conductor only

Benefits

- Allows maximum conductivity and high breakage resistance
- Provides low contact resistance
- Allows maximum pressure to be applied directly to the conductor strands
- Permits a swivel action for easier installation
- Makes a secure connection





C

| Catalog Number | Wire Range | | Dimensions | | |
|----------------|--------------------|---------------|------------|------|------|
| | Main | Tap | C | H | W |
| IKS-4/0 | 4/0-1/0 | 4/0-6 | 1.12 | 2.31 | 1.72 |
| IKS-350 | 350kcmil-250kcmil | 350kcmil-6 | 1.38 | 2.62 | 2.12 |
| IKS-500 | 500kcmil-400kcmil | 500kcmil-4 | 1.50 | 3.00 | 2.26 |
| IKS-800 | 800kcmil-400kcmil | 800kcmil-4/0 | 1.62 | 3.50 | 2.50 |
| IKS-1000 | 1000kcmil-500kcmil | 1000kcmil-4/0 | 2.00 | 4.03 | 3.03 |


All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

INFORMATION SHEET
TIGHTENING TORQUE VALUES FOR
ILSCO MECHANICAL SCREW CONNECTORS

| WIRE SIZE | TIGHTENING TORQUE IN INCH POUNDS | |
|-----------|---|---|
| | SCREW DRIVER  COMBO SLOTTED | EXTERNAL DRIVE WRENCH  |
| 14 AWG | 35 | 75 |
| 12 AWG | 35 | 75 |
| 10 AWG | 35 | 75 |
| 8 AWG | 40 | 75 |
| 6 AWG | 45 | 110 |
| 4 AWG | 45 | 110 |
| 2 AWG | 50 | 150 |
| 1 AWG | 50 | 150 |
| 1/0 AWG | 50 | 180 |
| 2/0 AWG | 50 | 180 |
| 3/0 AWG | | 250 |
| 4/0 AWG | | 250 |
| 250kcmil | | 325 |
| 350kcmil | | 325 |
| 500kcmil | | 375 |
| 600kcmil | | 375 |
| 700kcmil | | 375 |
| 750kcmil | | 375 |
| 800kcmil | | 500 |
| 1000kcmil | | 500 |

FORM 1
Revised 9-21-2015

INFORMATION SHEET
TIGHTENING TORQUE VALUES FOR
ILSCO SOCKETHEAD SCREW CONNECTORS

| INTERNAL SOCKET SIZE ACROSS FLATS INCHES | TIGHTENING TORQUE IN INCH POUNDS  |
|--|---|
| 1/8 | 45 |
| 5/32 | 100 |
| 3/16 | 120 |
| 7/32 | 150 |
| 1/4 | 200 |
| 5/16 | 275 |
| 3/8 | 375 |
| 1/2 | 500 |
| 9/16 | 600 |

FORM 1
Revised 9-21-2015

TIGHTENING TORQUE FOR
CONNECTING HARDWARE

| SCREW OR BOLT SIZE | | TIGHTENING TORQUE | |
|--------------------|------------------|-------------------|----------|
| METRIC | SAE | N•m | (lbf•ft) |
| - | No. 8 or smaller | 2 | (1.5) 18 |
| - | No. 10 | 3 | (2.0) 24 |
| M6 | 1/4 | 8 | (6) 72 |

Please reference the instruction sheet included with your connector for specific torque values.
All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
* Torque information included with product supersedes this page.

| | | | |
|--|--|---|--|
| <p>PBT</p>  <p>277</p> | <h1 style="text-align: center;">N I M B U S.</h1>  | | |
| <p>PBTO</p>  <p>277</p> | | | |
| <p>PBTD</p>  <p>278 - 280</p> | <p>PBTS</p>  <p>281 - 283</p> | <p>PBTM</p>  <p>284 - 285</p> | <p>PBTF</p>  <p>286 - 288</p> |
| <p>PBTT</p>  <p>289</p> | <p>PBTL</p>  <p>290</p> | <p>PBTX</p>  <p>291</p> | <p>PBT2</p>  <p>292</p> |
| <p>PBTI</p>  <p>293</p> | <p>PBTFML KIT</p> <p>294 - 295</p> | <p>PCT</p>  <p>296</p> | <p>SPAR</p>  <p>297</p> |

NIMBUS® Two Wire In-Line and Offset Insulated Splicer-Reducer Connectors

TYPE PBT

Features

- Broad wire range: 750kcmil-14
- UL Listed and CSA Certified for 600 volts, 90° C
- Dual rated
- Cold temperature rated to -45° C
- High dielectric strength plastisol
- Black cover
- Removable plugs
- Prefilled with De-ox®

Benefits

- Flexibility in the field
- Ensures reliability
- For copper or aluminum conductor
- Application variability
- Chemical resistant
- UV Rated
- Entry port closure
- Prevents oxides from forming



Fig. 1

Fig. 2

Fig. 3

| Catalog Number | Figure No. | No. Of Ports | Wire Range | Dimensions | | | Hex Size |
|----------------|------------|--------------|-------------------|------------|------|------|----------|
| | | | | L | W | H | |
| PBT-1/0 | 1 | - | 1/0-14 | 3.11 | 0.94 | 1.44 | 3/16 |
| PBT-250 | 1 | - | 250kcmil-6 | 4.28 | 1.06 | 2.04 | 5/16 |
| PBT-350 | 1 | - | 350kcmil-6 | 4.75 | 1.31 | 2.43 | 5/16 |
| PBT-500 | 1 | - | 500kcmil-4 | 5.38 | 1.44 | 3.03 | 3/8 |
| PBT-750 | 3 | - | 750kcmil-250kcmil | 7.25 | 1.75 | 3.31 | 3/8 |
| PBTO-4 | 2 | 2 | 4-14 | 1.17 | 1.25 | 1.31 | 1/8 |
| PBTO-1/0 | 2 | 2 | 1/0-14 | 1.63 | 1.63 | 1.63 | 3/16 |
| PBTO-3/0 | 2 | 2 | 3/0-6 | 1.89 | 1.68 | 1.86 | 1/4 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Per NEC Article 310-316, allowable ampacities are as follows: #4-95 Amps, 1/0-170 Amps, 3/0-225 Amps, 250-290 Amps, 350-350 Amps, 500-430 Amps, 750-535 Amps

Replacement caps & plugs available. Consult Factory

Tested to UL 486A/B, UL File E6207

NIMBUS® Insulated Multi-Tap Connectors Dual Sided Entry

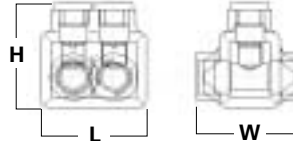
TYPE PBTD

Features

- Broad wire range: 750kcmil-14
- UL Listed and CSA Certified for 600 volts, 90° C
- Dual rated
- Cold temperature rated to -45° C
- High dielectric strength plastisol
- Black cover
- Removable plugs
- Prefilled with De-ox®

Benefits

- Flexibility in the field
- Ensures reliability
- For copper or aluminum conductor
- Application variability
- Chemical resistant
- UV Rated
- Entry port closure
- Prevents oxides from forming



| Catalog Number | No. Of Ports | Wire Range | Dimensions | | | Hex Size |
|----------------|--------------|------------|------------|-------|-------|----------|
| | | | L | W | H | |
| PBTD-2-4 | 2 | 4-14 | 1.24 | 1.25 | 1.42 | 1/8 |
| PBTD-3-4 | 3 | 4-14 | 1.70 | 1.25 | 1.42 | 1/8 |
| PBTD-4-4 | 4 | 4-14 | 2.16 | 1.25 | 1.42 | 1/8 |
| PBTD-5-4 | 5 | 4-14 | 2.61 | 1.25 | 1.42 | 1/8 |
| PBTD-6-4 | 6 | 4-14 | 3.07 | 1.25 | 1.42 | 1/8 |
| PBTD-7-4 | 7 | 4-14 AWG | 3.53 | 1.394 | 1.42 | 1/8 |
| PBTD-8-4 | 8 | 4-14 AWG | 3.99 | 1.394 | 1.42 | 1/8 |
| PBTD-9-4 | 9 | 4-14 AWG | 4.45 | 1.394 | 1.42 | 1/8 |
| PBTD-10-4 | 10 | 4-14 AWG | 4.9 | 1.394 | 1.42 | 1/8 |
| PBTD-11-4 | 11 | 4-14 AWG | 5.36 | 1.394 | 1.42 | 1/8 |
| PBTD-12-4 | 12 | 4-14 AWG | 5.82 | 1.394 | 1.42 | 1/8 |
| PBTD-13-4 | 13 | 4-14 AWG | 6.28 | 1.394 | 1.42 | 1/8 |
| PBTD-14-4 | 14 | 4-14 AWG | 6.74 | 1.394 | 1.42 | 1/8 |
| PBTD-2-1/0 | 2 | 1/0-14 | 1.67 | 1.63 | 1.63 | 3/16 |
| PBTD-3-1/0 | 3 | 1/0-14 | 2.29 | 1.63 | 1.63 | 3/16 |
| PBTD-4-1/0 | 4 | 1/0-14 | 2.92 | 1.63 | 1.63 | 3/16 |
| PBTD-5-1/0 | 5 | 1/0-14 | 3.54 | 1.63 | 1.63 | 3/16 |
| PBTD-6-1/0 | 6 | 1/0-14 | 4.17 | 1.63 | 1.63 | 3/16 |
| PBTD-7-1/0 | 7 | 1/0-14 AWG | 4.748 | 1.825 | 1.63 | 3/16 |
| PBTD-8-1/0 | 8 | 1/0-14 AWG | 5.373 | 1.825 | 1.63 | 3/16 |
| PBTD-9-1/0 | 9 | 1/0-14 AWG | 5.998 | 1.825 | 1.63 | 3/16 |
| PBTD-10-1/0 | 10 | 1/0-14 AWG | 6.623 | 1.825 | 1.63 | 3/16 |
| PBTD-11-1/0 | 11 | 1/0-14 AWG | 7.248 | 1.825 | 1.63 | 3/16 |
| PBTD-12-1/0 | 12 | 1/0-14 AWG | 7.873 | 1.825 | 1.63 | 3/16 |
| PBTD-13-1/0 | 13 | 1/0-14 AWG | 8.498 | 1.825 | 1.63 | 3/16 |
| PBTD-14-1/0 | 14 | 1/0-14 AWG | 9.123 | 1.825 | 1.63 | 3/16 |
| PBTD-2-3/0 | 2 | 3/0-6 | 1.89 | 1.68 | 1.86 | 1/4 |
| PBTD-3-3/0 | 3 | 3/0-6 | 2.65 | 1.68 | 1.86 | 1/4 |
| PBTD-4-3/0 | 4 | 3/0-6 | 3.42 | 1.68 | 1.86 | 1/4 |
| PBTD-5-3/0 | 5 | 3/0-6 | 4.18 | 1.68 | 1.86 | 1/4 |
| PBTD-6-3/0 | 6 | 3/0-6 | 4.95 | 1.68 | 1.86 | 1/4 |
| PBTD-7-3/0 | 7 | 3/0-6 AWG | 5.71 | 2.277 | 2.019 | 1/4 |
| PBTD-8-3/0 | 8 | 3/0-6 AWG | 6.48 | 2.277 | 2.019 | 1/4 |
| PBTD-9-3/0 | 9 | 3/0-6 AWG | 7.24 | 2.277 | 2.019 | 1/4 |
| PBTD-10-3/0 | 10 | 3/0-6 AWG | 8.01 | 2.277 | 2.019 | 1/4 |
| PBTD-11-3/0 | 11 | 3/0-6 AWG | 8.77 | 2.277 | 2.019 | 1/4 |
| PBTD-12-3/0 | 12 | 3/0-6 AWG | 9.54 | 2.277 | 2.019 | 1/4 |
| PBTD-13-3/0 | 13 | 3/0-6 AWG | 10.3 | 2.277 | 2.019 | 1/4 |
| PBTD-14-3/0 | 14 | 3/0-6 AWG | 11.07 | 2.277 | 2.019 | 1/4 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

For one input & multiple output configurations, the allowable ampacities per NEC Table 310.16 and 310.17 are as follows: #4-95 Amps, 1/0-170 Amps, 3/0-225 Amps, 250-290 Amps, 350-350 Amps, 600-475 Amps, 750-535 Amps. For multiple inputs, the inputs must be staggered with outputs to allow for ampacities to be additive per NEC Table 310.16 and 310.17. Replacement caps & plugs available. Consult Factory Tested to UL 486A/B, UL File E6207

NIMBUS® Insulated Multi-Tap Connectors Dual Sided Entry

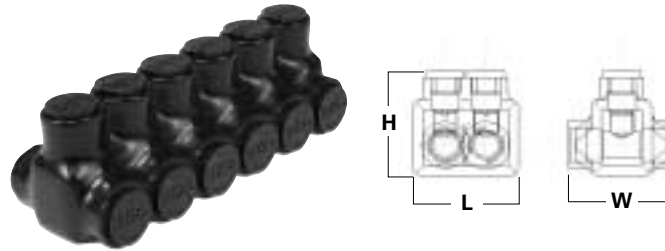
TYPE PBTD

Features

- Broad wire range: 750kcmil-14
- UL Listed and CSA Certified for 600 volts, 90° C
- Dual rated
- Cold temperature rated to -45° C
- High dielectric strength plastisol
- Black cover
- Removable plugs
- Prefilled with De-ox®

Benefits

- Flexibility in the field
- Ensures reliability
- For copper or aluminum conductor
- Application variability
- Chemical resistant
- UV Rated
- Entry port closure
- Prevents oxides from forming



D

| Catalog Number | No. Of Ports | Wire Range | Dimensions | | | Hex Size |
|----------------|--------------|-----------------|------------|-------|-------|----------|
| | | | L | W | H | |
| PBTD-2-250 | 2 | 250kcmil-6 | 2.17 | 2.13 | 2.17 | 5/16 |
| PBTD-3-250 | 3 | 250kcmil-6 | 3.07 | 2.13 | 2.17 | 5/16 |
| PBTD-4-250 | 4 | 250kcmil-6 | 3.96 | 2.13 | 2.17 | 5/16 |
| PBTD-5-250 | 5 | 250kcmil-6 | 4.85 | 2.13 | 2.17 | 5/16 |
| PBTD-6-250 | 6 | 250kcmil-6 | 5.75 | 2.13 | 2.17 | 5/16 |
| PBTD-7-250 | 7 | 250 kcmil-6 AWG | 6.76 | 2.318 | 2.041 | 5/16 |
| PBTD-8-250 | 8 | 250 kcmil-6 AWG | 7.69 | 2.318 | 2.041 | 5/16 |
| PBTD-9-250 | 9 | 250 kcmil-6 AWG | 8.62 | 2.318 | 2.041 | 5/16 |
| PBTD-10-250 | 10 | 250 kcmil-6 AWG | 9.55 | 2.318 | 2.041 | 5/16 |
| PBTD-11-250 | 11 | 250 kcmil-6 AWG | 10.48 | 2.318 | 2.041 | 5/16 |
| PBTD-12-250 | 12 | 250 kcmil-6 AWG | 11.41 | 2.318 | 2.041 | 5/16 |
| PBTD-13-250 | 13 | 250 kcmil-6 AWG | 12.34 | 2.318 | 2.041 | 5/16 |
| PBTD-14-250 | 14 | 250 kcmil-6 AWG | 14.27 | 2.318 | 2.041 | 5/16 |
| PBTD-2-350 | 2 | 350kcmil-6 | 2.51 | 2.25 | 2.62 | 5/16 |
| PBTD-3-350 | 3 | 350kcmil-6 | 3.56 | 2.25 | 2.62 | 5/16 |
| PBTD-4-350 | 4 | 350kcmil-6 | 4.61 | 2.25 | 2.62 | 5/16 |
| PBTD-5-350 | 5 | 350kcmil-6 | 5.67 | 2.25 | 2.62 | 5/16 |
| PBTD-6-350 | 6 | 350kcmil-6 | 6.71 | 2.25 | 2.62 | 5/16 |
| PBTD-7-350 | 7 | 350 kcmil-6 AWG | 8.248 | 2.578 | 2.396 | 5/16 |
| PBTD-8-350 | 8 | 350 kcmil-6 AWG | 9.404 | 2.578 | 2.396 | 5/16 |
| PBTD-9-350 | 9 | 350 kcmil-6 AWG | 10.56 | 2.578 | 2.396 | 5/16 |
| PBTD-10-350 | 10 | 350 kcmil-6 AWG | 11.716 | 2.578 | 2.396 | 5/16 |
| PBTD-11-350 | 11 | 350 kcmil-6 AWG | 12.872 | 2.578 | 2.396 | 5/16 |
| PBTD-12-350 | 12 | 350 kcmil-6 AWG | 14.028 | 2.578 | 2.396 | 5/16 |
| PBTD-13-350 | 13 | 350 kcmil-6 AWG | 15.184 | 2.578 | 2.396 | 5/16 |
| PBTD-14-350 | 14 | 350 kcmil-6 AWG | 16.34 | 2.578 | 2.396 | 5/16 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

For one input & multiple output configurations, the allowable ampacities per NEC Table 310.16 and 310.17 are as follows: #4-95 Amps, 1/0-170 Amps, 3/0-225 Amps, 250-290 Amps, 350-350 Amps, 600-475 Amps, 750-535 Amps.

For multiple inputs, the inputs must be staggered with outputs to allow for ampacities to be additive per NEC Table 310.16 and 310.17.

Replacement caps & plugs available. Consult Factory

Tested to UL 486A/B, UL File E6207

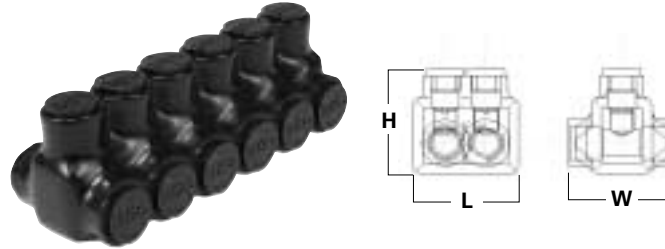
TYPE
PBTD

Features

- Broad wire range: 750kcmil-14
- UL Listed and CSA Certified for 600 volts, 90° C
- Dual rated
- Cold temperature rated to -45° C
- High dielectric strength plastisol
- Black cover
- Removable plugs
- Prefilled with De-ox®

Benefits

- Flexibility in the field
- Ensures reliability
- For copper or aluminum conductor
- Application variability
- Chemical resistant
- UV Rated
- Entry port closure
- Prevents oxides from forming



| Catalog Number | No. Of Ports | Wire Range | Dimensions | | | Hex Size |
|----------------|--------------|---------------------|------------|-------|-------|----------|
| | | | L | W | H | |
| PBTD-2-500 | 2 | 600kcmil-4 | 2.97 | 2.63 | 3.04 | 3/8 |
| PBTD-3-500 | 3 | 600kcmil-4 | 4.12 | 2.63 | 3.04 | 3/8 |
| PBTD-4-500 | 4 | 600kcmil-4 | 5.28 | 2.63 | 3.04 | 3/8 |
| PBTD-5-500 | 5 | 600kcmil-4 | 6.44 | 2.63 | 3.04 | 3/8 |
| PBTD-6-500 | 6 | 600kcmil-4 | 7.59 | 2.63 | 3.04 | 3/8 |
| PBTD-7-500 | 7 | 600 kcmil-4 AWG | 9.186 | 3.036 | 3.034 | 3/8 |
| PBTD-8-500 | 8 | 600 kcmil-4 AWG | 10.467 | 3.031 | 3.034 | 3/8 |
| PBTD-9-500 | 9 | 600 kcmil-4 AWG | 11.748 | 3.031 | 3.034 | 3/8 |
| PBTD-10-500 | 10 | 600 kcmil-4 AWG | 13.029 | 3.031 | 3.034 | 3/8 |
| PBTD-11-500 | 11 | 600 kcmil-4 AWG | 14.31 | 3.031 | 3.034 | 3/8 |
| PBTD-12-500 | 12 | 600 kcmil-4 AWG | 15.591 | 3.031 | 3.034 | 3/8 |
| PBTD-13-500 | 13 | 600 kcmil-4 AWG | 16.872 | 3.031 | 3.034 | 3/8 |
| PBTD-14-500 | 14 | 600 kcmil-4 AWG | 18.153 | 3.031 | 3.034 | 3/8 |
| PBTD-2-750 | 2 | 750kcmil-250kcmil | 3.47 | 3.25 | 3.31 | 1/2 |
| PBTD-3-750 | 3 | 750kcmil-250kcmil | 4.89 | 3.25 | 3.31 | 1/2 |
| PBTD-4-750 | 4 | 750kcmil-250kcmil | 6.32 | 3.25 | 3.31 | 1/2 |
| PBTD-5-750 | 5 | 750kcmil-250kcmil | 7.74 | 3.25 | 3.31 | 1/2 |
| PBTD-6-750 | 6 | 750kcmil-250kcmil | 9.16 | 3.25 | 3.31 | 1/2 |
| PBTD-7-750 | 7 | 750 kcmil-250 kcmil | 11.14 | 3.405 | 3.206 | 1/2 |
| PBTD-8-750 | 8 | 750 kcmil-250 kcmil | 12.7 | 3.405 | 3.206 | 1/2 |
| PBTD-9-750 | 9 | 750 kcmil-250 kcmil | 14.26 | 3.405 | 3.206 | 1/2 |
| PBTD-10-750 | 10 | 750 kcmil-250 kcmil | 15.82 | 3.405 | 3.206 | 1/2 |
| PBTD-11-750 | 11 | 750 kcmil-250 kcmil | 17.38 | 3.405 | 3.206 | 1/2 |
| PBTD-12-750 | 12 | 750 kcmil-250 kcmil | 18.94 | 3.405 | 3.206 | 1/2 |
| PBTD-13-750 | 13 | 750 kcmil-250 kcmil | 20.5 | 3.405 | 3.206 | 1/2 |
| PBTD-14-750 | 14 | 750 kcmil-250 kcmil | 22.06 | 3.405 | 3.206 | 1/2 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

For one input & multiple output configurations, the allowable ampacities per NEC Table 310.16 and 310.17 are as follows: #4-95 Amps, 1/0-170 Amps, 3/0-225 Amps, 250-290 Amps, 350-350 Amps, 600-475 Amps, 750-535 Amps.

For multiple inputs, the inputs must be staggered with outputs to allow for ampacities to be additive per NEC Table 310.16 and 310.17.

Replacement caps & plugs available. Consult Factory

Tested to UL 486A/B, UL File E6207

NIMBUS®

Insulated Multi-Tap Connectors

Single Sided Entry

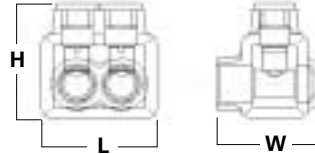
TYPE PBTS

Features

- Broad wire range: 750kcmil-14
- UL Listed and CSA Certified for 600 volts, 90° C
- Dual rated
- Cold temperature rated to -45° C
- High dielectric strength plastisol
- Black cover
- Removable plugs
- Prefilled with De-ox®

Benefits

- Flexibility in the field
- Ensures reliability
- For copper or aluminum conductor
- Application variability
- Chemical resistant
- UV Rated
- Entry port closure
- Prevents oxides from forming



| Catalog Number | No. Of Ports | Wire Range | Dimensions | | | Hex Size |
|----------------|--------------|------------|------------|-------|-------|----------|
| | | | L | W | H | |
| PBTS-2-4 | 2 | 4-14 | 1.24 | 1.22 | 1.42 | 1/8 |
| PBTS-3-4 | 3 | 4-14 | 1.70 | 1.22 | 1.42 | 1/8 |
| PBTS-4-4 | 4 | 4-14 | 2.16 | 1.22 | 1.42 | 1/8 |
| PBTS-5-4 | 5 | 4-14 | 2.61 | 1.22 | 1.42 | 1/8 |
| PBTS-6-4 | 6 | 4-14 | 3.07 | 1.22 | 1.42 | 1/8 |
| PBTS-7-4 | 7 | 4-14 AWG | 3.458 | 1.32 | 1.379 | 1/8 |
| PBTS-8-4 | 8 | 4-14 AWG | 3.916 | 1.32 | 1.379 | 1/8 |
| PBTS-9-4 | 9 | 4-14 AWG | 4.374 | 1.32 | 1.379 | 1/8 |
| PBTS-10-4 | 10 | 4-14 AWG | 4.832 | 1.32 | 1.379 | 1/8 |
| PBTS-11-4 | 11 | 4-14 AWG | 5.29 | 1.32 | 1.379 | 1/8 |
| PBTS-12-4 | 12 | 4-14 AWG | 5.748 | 1.32 | 1.379 | 1/8 |
| PBTS-13-4 | 13 | 4-14 AWG | 6.206 | 1.32 | 1.379 | 1/8 |
| PBTS-14-4 | 14 | 4-14 AWG | 6.664 | 1.32 | 1.379 | 1/8 |
| PBTS-2-1/0 | 2 | 1/0-14 | 1.67 | 1.53 | 1.63 | 3/16 |
| PBTS-3-1/0 | 3 | 1/0-14 | 2.29 | 1.53 | 1.63 | 3/16 |
| PBTS-4-1/0 | 4 | 1/0-14 | 2.92 | 1.53 | 1.63 | 3/16 |
| PBTS-5-1/0 | 5 | 1/0-14 | 3.54 | 1.53 | 1.63 | 3/16 |
| PBTS-6-1/0 | 6 | 1/0-14 | 4.17 | 1.53 | 1.63 | 3/16 |
| PBTS-7-1/0 | 7 | 1/0-14 AWG | 4.748 | 1.62 | 1.63 | 3/16 |
| PBTS-8-1/0 | 8 | 1/0-14 AWG | 5.373 | 1.62 | 1.63 | 3/16 |
| PBTS-9-1/0 | 9 | 1/0-14 AWG | 5.998 | 1.62 | 1.63 | 3/16 |
| PBTS-10-1/0 | 10 | 1/0-14 AWG | 6.67 | 1.53 | 1.63 | 3/16 |
| PBTS-11-1/0 | 11 | 1/0-14 AWG | 7.248 | 1.62 | 1.63 | 3/16 |
| PBTS-12-1/0 | 12 | 1/0-14 AWG | 7.873 | 1.62 | 1.63 | 3/16 |
| PBTS-13-1/0 | 13 | 1/0-14 AWG | 8.498 | 1.62 | 1.63 | 3/16 |
| PBTS-14-1/0 | 14 | 1/0-14 AWG | 9.123 | 1.53 | 1.63 | 3/16 |
| PBTS-2-3/0 | 2 | 3/0-6 | 1.89 | 1.58 | 1.86 | 1/4 |
| PBTS-3-3/0 | 3 | 3/0-6 | 2.65 | 1.58 | 1.86 | 1/4 |
| PBTS-4-3/0 | 4 | 3/0-6 | 3.42 | 1.58 | 1.86 | 1/4 |
| PBTS-5-3/0 | 5 | 3/0-6 | 4.18 | 1.58 | 1.86 | 1/4 |
| PBTS-6-3/0 | 6 | 3/0-6 | 4.95 | 1.58 | 1.86 | 1/4 |
| PBTS-7-3/0 | 7 | 3/0-6 AWG | 5.71 | 1.726 | 1.86 | 1/4 |
| PBTS-8-3/0 | 8 | 3/0-6 AWG | 6.48 | 1.726 | 1.86 | 1/4 |
| PBTS-9-3/0 | 9 | 3/0-6 AWG | 7.24 | 1.726 | 1.86 | 1/4 |
| PBTS-10-3/0 | 10 | 3/0-6 AWG | 8 | 1.726 | 1.86 | 1/4 |
| PBTS-11-3/0 | 11 | 3/0-6 AWG | 8.77 | 1.726 | 1.86 | 1/4 |
| PBTS-12-3/0 | 12 | 3/0-6 AWG | 9.54 | 1.726 | 1.86 | 1/4 |
| PBTS-13-3/0 | 13 | 3/0-6 AWG | 10.3 | 1.726 | 1.86 | 1/4 |
| PBTS-14-3/0 | 14 | 3/0-6 AWG | 11.07 | 1.726 | 1.86 | 1/4 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

For one input & multiple output configurations, the allowable ampacities per NEC Table 310.16 and 310.17 are as follows: #4-95 Amps, 1/0-170 Amps, 3/0-225 Amps, 250-290 Amps, 350-350 Amps, 600-475 Amps, 750-535 Amps.

For multiple inputs, the inputs must be staggered with outputs to allow for ampacities to be additive per NEC Table 310.16 and 310.17.

Replacement caps & plugs available. Consult Factory Tested to UL 486A/B, UL File E6207

NIMBUS® Insulated Multi-Tap Connectors Single Sided Entry

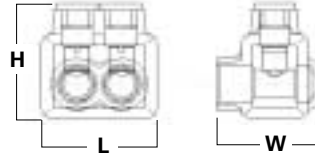
TYPE PBTS

Features

- Broad wire range: 750kcmil-14
- UL Listed and CSA Certified for 600 volts, 90° C
- Dual rated
- Cold temperature rated to -45° C
- High dielectric strength plastisol
- Black cover
- Removable plugs
- Prefilled with De-ox®

Benefits

- Flexibility in the field
- Ensures reliability
- For copper or aluminum conductor
- Application variability
- Chemical resistant
- UV Rated
- Entry port closure
- Prevents oxides from forming



| Catalog Number | No. Of Ports | Wire Range | Dimensions | | | Hex Size |
|----------------|--------------|-----------------|------------|-------|-------|----------|
| | | | L | W | H | |
| PBTS-2-250 | 2 | 250kcmil-6 | 2.17 | 1.91 | 2.17 | 5/16 |
| PBTS-3-250 | 3 | 250kcmil-6 | 3.07 | 1.91 | 2.17 | 5/16 |
| PBTS-4-250 | 4 | 250kcmil-6 | 3.96 | 1.91 | 2.17 | 5/16 |
| PBTS-5-250 | 5 | 250kcmil-6 | 4.85 | 1.91 | 2.17 | 5/16 |
| PBTS-6-250 | 6 | 250kcmil-6 | 5.75 | 1.91 | 2.17 | 5/16 |
| PBTS-7-250 | 7 | 250 kcmil-6 AWG | 6.744 | 1.94 | 2.041 | 5/16 |
| PBTS-8-250 | 8 | 250 kcmil-6 AWG | 7.674 | 1.94 | 2.041 | 5/16 |
| PBTS-9-250 | 9 | 250 kcmil-6 AWG | 8.604 | 1.94 | 2.041 | 5/16 |
| PBTS-10-250 | 10 | 250 kcmil-6 AWG | 9.534 | 1.94 | 2.041 | 5/16 |
| PBTS-11-250 | 11 | 250 kcmil-6 AWG | 10.464 | 1.94 | 2.041 | 5/16 |
| PBTS-12-250 | 12 | 250 kcmil-6 AWG | 11.394 | 1.94 | 2.041 | 5/16 |
| PBTS-13-250 | 13 | 250 kcmil-6 AWG | 12.334 | 1.94 | 2.041 | 5/16 |
| PBTS-14-250 | 14 | 250 kcmil-6 AWG | 13.254 | 1.94 | 2.041 | 5/16 |
| PBTS-2-350 | 2 | 350kcmil-6 | 2.51 | 2.03 | 2.62 | 5/16 |
| PBTS-3-350 | 3 | 350kcmil-6 | 3.56 | 2.03 | 2.62 | 5/16 |
| PBTS-4-350 | 4 | 350kcmil-6 | 4.61 | 2.03 | 2.62 | 5/16 |
| PBTS-5-350 | 5 | 350kcmil-6 | 5.66 | 2.03 | 2.62 | 5/16 |
| PBTS-6-350 | 6 | 350kcmil-6 | 6.71 | 2.03 | 2.62 | 5/16 |
| PBTS-7-350 | 7 | 350 kcmil-6 AWG | 8.31 | 2.414 | 2.62 | 5/16 |
| PBTS-8-350 | 8 | 350 kcmil-6 AWG | 9.466 | 2.414 | 2.62 | 5/16 |
| PBTS-9-350 | 9 | 350 kcmil-6 AWG | 10.622 | 2.414 | 2.62 | 5/16 |
| PBTS-10-350 | 10 | 350 kcmil-6 AWG | 11.778 | 2.414 | 2.62 | 5/16 |
| PBTS-11-350 | 11 | 350 kcmil-6 AWG | 12.934 | 2.414 | 2.62 | 5/16 |
| PBTS-12-350 | 12 | 350 kcmil-6 AWG | 14.09 | 2.414 | 2.62 | 5/16 |
| PBTS-13-350 | 13 | 350 kcmil-6 AWG | 15.246 | 2.414 | 2.62 | 5/16 |
| PBTS-14-350 | 14 | 350 kcmil-6 AWG | 16.402 | 2.414 | 2.62 | 5/16 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

For one input & multiple output configurations, the allowable ampacities per NEC Table 310.16 and 310.17 are as follows: #4-95 Amps, 1/0-170 Amps, 3/0-225 Amps, 250-290 Amps, 350-350 Amps, 600-475 Amps, 750-535 Amps.

For multiple inputs, the inputs must be staggered with outputs to allow for ampacities to be additive per NEC Table 310.16 and 310.17.

Replacement caps & plugs available. Consult Factory

Tested to UL 486A/B, UL File E6207

NIMBUS® Insulated Multi-Tap Connectors Single Sided Entry

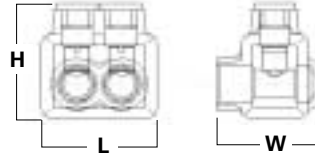
TYPE PBTS

Features

- Broad wire range: 750kcmil-14
- UL Listed and CSA Certified for 600 volts, 90° C
- Dual rated
- Cold temperature rated to -45° C
- High dielectric strength plastisol
- Black cover
- Removable plugs
- Prefilled with De-ox®

Benefits

- Flexibility in the field
- Ensures reliability
- For copper or aluminum conductor
- Application variability
- Chemical resistant
- UV Rated
- Entry port closure
- Prevents oxides from forming



D

| Catalog Number | No. Of Ports | Wire Range | Dimensions | | | Hex Size |
|----------------|--------------|---------------------|------------|-------|-------|----------|
| | | | L | W | H | |
| PBTS-2-500 | 2 | 600kcmil-4 | 2.97 | 2.28 | 3.04 | 3/8 |
| PBTS-3-500 | 3 | 600kcmil-4 | 4.12 | 2.58 | 3.04 | 3/8 |
| PBTS-4-500 | 4 | 600kcmil-4 | 5.28 | 2.28 | 3.04 | 3/8 |
| PBTS-5-500 | 5 | 600kcmil-4 | 6.44 | 2.28 | 3.04 | 3/8 |
| PBTS-6-500 | 6 | 600kcmil-4 | 7.59 | 2.28 | 3.04 | 3/8 |
| PBTS-7-500 | 7 | 600 kcmil-4 AWG | 9.186 | 2.484 | 3.034 | 3/8 |
| PBTS-8-500 | 8 | 600 kcmil-4 AWG | 10.467 | 2.484 | 3.034 | 3/8 |
| PBTS-9-500 | 9 | 600 kcmil-4 AWG | 11.748 | 2.484 | 3.034 | 3/8 |
| PBTS-10-500 | 10 | 600 kcmil-4 AWG | 13.029 | 2.484 | 3.034 | 3/8 |
| PBTS-11-500 | 11 | 600 kcmil-4 AWG | 14.31 | 2.484 | 3.034 | 3/8 |
| PBTS-12-500 | 12 | 600 kcmil-4 AWG | 15.591 | 2.484 | 3.034 | 3/8 |
| PBTS-13-500 | 13 | 600 kcmil-4 AWG | 16.872 | 2.484 | 3.034 | 3/8 |
| PBTS-14-500 | 14 | 600 kcmil-4 AWG | 18.153 | 2.484 | 3.034 | 3/8 |
| PBTS-2-750 | 2 | 750kcmil-250kcmil | 3.47 | 2.75 | 3.31 | 1/2 |
| PBTS-3-750 | 3 | 750kcmil-250kcmil | 4.89 | 2.75 | 3.31 | 1/2 |
| PBTS-4-750 | 4 | 750kcmil-250kcmil | 6.32 | 2.75 | 3.31 | 1/2 |
| PBTS-5-750 | 5 | 750kcmil-250kcmil | 7.74 | 2.75 | 3.31 | 1/2 |
| PBTS-6-750 | 6 | 750kcmil-250kcmil | 9.16 | 2.75 | 3.31 | 1/2 |
| PBTS-7-750 | 7 | 750 kcmil-250 kcmil | 11.14 | 2.89 | 3.206 | 1/2 |
| PBTS-8-750 | 8 | 750 kcmil-250 kcmil | 13.7 | 2.89 | 3.206 | 1/2 |
| PBTS-9-750 | 9 | 750 kcmil-250 kcmil | 14.26 | 2.89 | 3.206 | 1/2 |
| PBTS-10-750 | 10 | 750 kcmil-250 kcmil | 15.82 | 2.89 | 3.206 | 1/2 |
| PBTS-11-750 | 11 | 750 kcmil-250 kcmil | 17.38 | 2.89 | 3.206 | 1/2 |
| PBTS-12-750 | 12 | 750 kcmil-250 kcmil | 18.94 | 2.89 | 3.206 | 1/2 |
| PBTS-13-750 | 13 | 750 kcmil-250 kcmil | 20.5 | 2.89 | 3.206 | 1/2 |
| PBTS-14-750 | 14 | 750 kcmil-250 kcmil | 28.06 | 2.89 | 3.206 | 1/2 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

For one input & multiple output configurations, the allowable ampacities per NEC Table 310.16 and 310.17 are as follows: #4-95 Amps, 1/0-170 Amps, 3/0-225 Amps, 250-290 Amps, 350-350 Amps, 600-475 Amps, 750-535 Amps.

For multiple inputs, the inputs must be staggered with outputs to allow for ampacities to be additive per NEC Table 310.16 and 310.17.

Replacement caps & plugs available. Consult Factory

Tested to UL 486A/B, UL File E6207

NIMBUS® Mountable Insulated Multi-Tap Connectors Dual Sided Entry

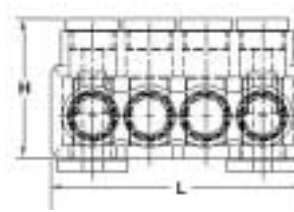
TYPE PBTM

Features

- Mountable
- Broad wire range: 750kcmil-6
- UL Listed and CSA Certified for 600 volts, 90° C
- Dual rated
- Cold temperature rated to -45° C
- High dielectric strength plastisol
- Black cover
- Removable plugs
- Prefilled with De-ox®

Benefits

- Isolated mounting in trough, wire way or panels
- Flexibility in the field
- Ensures reliability
- For copper or aluminum conductor
- Application variability
- Chemical resistant
- UV Rated
- Entry port closure
- Prevents oxides from forming



| Catalog Number | No. Of Ports | Wire Range | Dimensions | | | Hex Size | Mounting Holes |
|----------------|--------------|-----------------|------------|-------|-------|----------|----------------|
| | | | L | W | H | | |
| PBTD-2-3/0-M | 2 | 3/0-6 | 3.42 | 1.68 | 1.86 | 3/16 | 1/4 |
| PBTD-3-3/0-M | 3 | 3/0-6 | 4.18 | 1.68 | 1.86 | 3/16 | 1/4 |
| PBTD-4-3/0-M | 4 | 3/0-6 | 4.95 | 1.68 | 1.86 | 3/16 | 1/4 |
| PBTD-5-3/0-M | 5 | 3/0-6 | 5.71 | 1.68 | 1.86 | 3/16 | 1/4 |
| PBTD-6-3/0-M | 6 | 3/0-6 | 6.48 | 1.68 | 1.86 | 3/16 | 1/4 |
| PBTD-7-3/0-M | 7 | 3/0-6 AWG | 7.24 | 2.277 | 2.175 | 1/4 | 1/4 |
| PBTD-8-3/0-M | 8 | 3/0-6 AWG | 8.01 | 2.277 | 2.175 | 1/4 | 1/4 |
| PBTD-9-3/0-M | 9 | 3/0-6 AWG | 8.77 | 2.277 | 2.175 | 1/4 | 1/4 |
| PBTD-10-3/0-M | 10 | 3/0-6 AWG | 9.54 | 2.277 | 2.175 | 1/4 | 1/4 |
| PBTD-11-3/0-M | 11 | 3/0-6 AWG | 10.3 | 2.277 | 2.175 | 1/4 | 1/4 |
| PBTD-12-3/0-M | 12 | 3/0-6 AWG | 11.07 | 2.277 | 2.175 | 1/4 | 1/4 |
| PBTD-2-250-M | 2 | 250kcmil-6 | 3.96 | 2.13 | 2.17 | 5/16 | 1/4 |
| PBTD-3-250-M | 3 | 250kcmil-6 | 4.85 | 2.13 | 2.17 | 5/16 | 1/4 |
| PBTD-4-250-M | 4 | 250kcmil-6 | 5.75 | 2.13 | 2.17 | 5/16 | 1/4 |
| PBTD-5-250-M | 5 | 250kcmil-6 | 6.64 | 2.13 | 2.17 | 5/16 | 1/4 |
| PBTD-6-250-M | 6 | 250kcmil-6 | 7.53 | 2.13 | 2.17 | 5/16 | 1/4 |
| PBTD-7-250-M | 7 | 250 kcmil-6 AWG | 8.62 | 2.318 | 2.197 | 5/16 | 1/4 |
| PBTD-8-250-M | 8 | 250 kcmil-6 AWG | 9.56 | 2.318 | 2.197 | 5/16 | 1/4 |
| PBTD-9-250-M | 9 | 250 kcmil-6 AWG | 10.48 | 2.318 | 2.197 | 5/16 | 1/4 |
| PBTD-10-250-M | 10 | 250 kcmil-6 AWG | 11.41 | 2.318 | 2.197 | 5/16 | 1/4 |
| PBTD-11-250-M | 11 | 250 kcmil-6 AWG | 12.34 | 2.318 | 2.197 | 5/16 | 1/4 |
| PBTD-12-250-M | 12 | 250 kcmil-6 AWG | 12.89 | 2.13 | 2.17 | 5/16 | 1/4 |
| PBTD-2-350-M | 2 | 350kcmil-6 | 4.61 | 2.25 | 2.62 | 5/16 | 5/16 |
| PBTD-3-350-M | 3 | 350kcmil-6 | 5.67 | 2.25 | 2.62 | 5/16 | 5/16 |
| PBTD-4-350-M | 4 | 350kcmil-6 | 6.71 | 2.25 | 2.62 | 5/16 | 5/16 |
| PBTD-5-350-M | 5 | 350kcmil-6 | 7.76 | 2.25 | 2.62 | 5/16 | 5/16 |
| PBTD-6-350-M | 6 | 350kcmil-6 | 8.81 | 2.25 | 2.62 | 5/16 | 5/16 |
| PBTD-7-350-M | 7 | 350 kcmil-6 AWG | 10.622 | 2.578 | 2.583 | 5/16 | 5/16 |
| PBTD-8-350-M | 8 | 350 kcmil-6 AWG | 11.778 | 2.578 | 2.583 | 5/16 | 5/16 |
| PBTD-9-350-M | 9 | 350 kcmil-6 AWG | 12.934 | 2.578 | 2.583 | 5/16 | 5/16 |
| PBTD-10-350-M | 10 | 350 kcmil-6 AWG | 14.09 | 2.578 | 2.583 | 5/16 | 5/16 |
| PBTD-11-350-M | 11 | 350 kcmil-6 AWG | 15.246 | 2.578 | 2.583 | 5/16 | 5/16 |
| PBTD-12-350-M | 12 | 350 kcmil-6 AWG | 16.402 | 2.578 | 2.583 | 5/16 | 5/16 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

For one input & multiple output configurations, the allowable ampacities per NEC Table 310.16 and 310.17 are as follows: #4-95 Amps, 1/0-170 Amps, 3/0-225 Amps, 250-290 Amps, 350-350 Amps, 600-475 Amps, 750-535 Amps.

For multiple inputs, the inputs must be staggered with outputs to allow for ampacities to be additive per NEC Table 310.16 and 310.17.

Replacement caps & plugs available. Consult Factory. Tested to UL 486A/B, UL File E6207

NIMBUS® Mountable Insulated Multi-Tap Connectors Dual Sided Entry

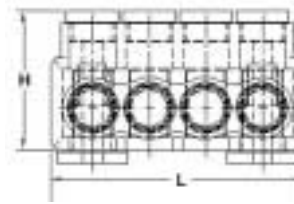
TYPE PBTM

Features

- Mountable
- Broad wire range: 750kcmil-6
- UL Listed and CSA Certified for 600 volts, 90° C
- Dual rated
- Cold temperature rated to -45° C
- High dielectric strength plastisol
- Black cover
- Removable plugs
- Prefilled with De-ox®

Benefits

- Isolated mounting in trough, wire way or panels
- Flexibility in the field
- Ensures reliability
- For copper or aluminum conductor
- Application variability
- Chemical resistant
- UV Rated
- Entry port closure
- Prevents oxides from forming



D

| Catalog Number | No. Of Ports | Wire Range | Dimensions | | | Hex Size | Mounting Holes |
|----------------|--------------|---------------------|------------|-------|-------|----------|----------------|
| | | | L | W | H | | |
| PBTD-2-500-M | 2 | 600kcmil-4 | 5.28 | 2.63 | 3.04 | 3/8 | 5/16 |
| PBTD-3-500-M | 3 | 600kcmil-4 | 6.44 | 2.63 | 3.04 | 3/8 | 5/16 |
| PBTD-4-500-M | 4 | 600kcmil-4 | 7.59 | 2.63 | 3.04 | 3/8 | 5/16 |
| PBTD-5-500-M | 5 | 600kcmil-4 | 8.75 | 2.63 | 3.04 | 3/8 | 5/16 |
| PBTD-6-500-M | 6 | 600kcmil-4 | 9.90 | 2.63 | 3.04 | 3/8 | 5/16 |
| PBTD-7-500-M | 7 | 600 kcmil-4 AWG | 11.748 | 3.031 | 3.19 | 3/8 | 5/16 |
| PBTD-8-500-M | 8 | 600 kcmil-4 AWG | 13.029 | 3.031 | 3.19 | 3/8 | 5/16 |
| PBTD-9-500-M | 9 | 600 kcmil-4 AWG | 14.31 | 3.031 | 3.19 | 3/8 | 5/16 |
| PBTD-10-500-M | 10 | 600 kcmil-4 AWG | 15.591 | 3.031 | 3.19 | 3/8 | 5/16 |
| PBTD-11-500-M | 11 | 600 kcmil-4 AWG | 16.872 | 3.031 | 3.19 | 3/8 | 5/16 |
| PBTD-12-500-M | 12 | 600 kcmil-4 AWG | 18.153 | 3.031 | 3.19 | 3/8 | 5/16 |
| PBTD-2-750-M | 2 | 750kcmil-250kcmil | 6.32 | 3.25 | 3.31 | 1/2 | 3/8 |
| PBTD-3-750-M | 3 | 750kcmil-250kcmil | 7.74 | 3.25 | 3.31 | 1/2 | 3/8 |
| PBTD-4-750-M | 4 | 750kcmil-250kcmil | 9.16 | 3.25 | 3.31 | 1/2 | 3/8 |
| PBTD-5-750-M | 5 | 750kcmil-250kcmil | 10.58 | 3.25 | 3.31 | 1/2 | 3/8 |
| PBTD-6-750-M | 6 | 750kcmil-250kcmil | 12.00 | 3.25 | 3.31 | 1/2 | 3/8 |
| PBTD-7-750-M | 7 | 750 kcmil-250 kcmil | 14.26 | 3.405 | 3.581 | 1/2 | 3/8 |
| PBTD-8-750-M | 8 | 750 kcmil-250 kcmil | 15.82 | 3.405 | 3.581 | 1/2 | 3/8 |
| PBTD-9-750-M | 9 | 750 kcmil-250 kcmil | 17.38 | 3.405 | 3.581 | 1/2 | 3/8 |
| PBTD-10-750-M | 10 | 750 kcmil-250 kcmil | 18.94 | 3.405 | 3.581 | 1/2 | 3/8 |
| PBTD-11-750-M | 11 | 750 kcmil-250 kcmil | 20.5 | 3.405 | 3.581 | 1/2 | 3/8 |
| PBTD-12-750-M | 12 | 750 kcmil-250 kcmil | 22.06 | 3.405 | 3.581 | 1/2 | 3/8 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

For one input & multiple output configurations, the allowable ampacities per NEC Table 310.16 and 310.17 are as follows: #4-95 Amps, 1/0-170 Amps, 3/0-225 Amps, 250-290 Amps, 350-350 Amps, 600-475 Amps, 750-535 Amps.

For multiple inputs, the inputs must be staggered with outputs to allow for ampacities to be additive per NEC Table 310.16 and 310.17.

Replacement caps & plugs available. Consult Factory.

Tested to UL 486A/B, UL File E6207

TYPE
PBTF

Features

- Broad wire range: 750kcmil-14
- UL 486A/B Listed for 600 volts, 90° C
- Dual rated
- Cold temperature rated to -45° C
- High dielectric strength plastisol
- Black cover
- Removable plugs
- Prefilled with De-ox®
- NIMBUS Flexible caps are Reflex Blue
- Patented screw design

Benefits

- Flexibility in the field
- Ensures reliability
- For copper, copper flex or aluminum conductor
- Application variability
- Chemical resistant
- UV Rated
- Entry port closure
- Prevents oxides from forming
- Easy identification in the field
- Improves vibration resistance, compresses conductor without damage, eliminates the need for ferrules



D

| Catalog Number | No. of Ports | Wire Range | Alternate Wire Range | Ampere Rating | Dimensions | | | Hex Size |
|----------------|--------------|---------------------------------------|----------------------|---------------|------------|-------|--------|----------|
| | | | | | Length | Width | Height | |
| PBTS-2-4-F+ | 2 | 8-14 H,I,K,M,DLO | 4-14 AWG | 95 | 1.24 | 1.22 | 1.42 | 1/8 |
| PBTS-3-4-F | 3 | 8-14 H,I,K,M,DLO | 4-14 AWG | 95 | 1.70 | 1.22 | 1.42 | 1/8 |
| PBTS-4-4-F | 4 | 8-14 H,I,K,M,DLO | 4-14 AWG | 95 | 2.16 | 1.22 | 1.42 | 1/8 |
| PBTS-6-4-F | 6 | 8-14 H,I,K,M,DLO | 4-14 AWG | 95 | 3.07 | 1.22 | 1.42 | 1/8 |
| PBTS-2-1/0-F | 2 | 1-14 H,I,K DLO 2-14 M | 1/0-14 AWG | 170 | 1.67 | 1.53 | 1.63 | 3/16 |
| PBTS-3-1/0-F | 3 | 1-14 H,I,K DLO 2-14 M | 1/0-14 AWG | 170 | 2.29 | 1.53 | 1.63 | 3/16 |
| PBTS-4-1/0-F | 4 | 1-14 H,I,K DLO 2-14 M | 1/0-14 AWG | 170 | 2.92 | 1.53 | 1.63 | 3/16 |
| PBTS-6-1/0-F | 6 | 1-14 H,I,K DLO 2-14 M | 1/0-14 AWG | 170 | 4.17 | 1.53 | 1.63 | 3/16 |
| PBTS-2-3/0-F | 2 | 2/0-6 H,I,K,DLO 1-6 M | 3/0-6 AWG | 225 | 1.89 | 1.58 | 1.86 | 1/4 |
| PBTS-3-3/0-F | 3 | 2/0-6 H,I,K,DLO 1-6 M | 3/0-6 AWG | 225 | 2.65 | 1.58 | 1.86 | 1/4 |
| PBTS-4-3/0-F | 4 | 2/0-6 H,I,K,DLO 1-6 M | 3/0-6 AWG | 225 | 3.42 | 1.58 | 1.86 | 1/4 |
| PBTS-6-3/0-F | 6 | 2/0-6 H,I,K,DLO 1-6 M | 3/0-6 AWG | 225 | 4.95 | 1.58 | 1.86 | 1/4 |
| PBTS-2-250-F | 2 | 4/0-6 H,I,K 2/0-6 M 3/0-6 DLO | 250kcmil-6 AWG | 290 | 2.17 | 1.91 | 2.17 | 1/4 |
| PBTS-3-250-F | 3 | 4/0-6 H,I,K 2/0-6 M 3/0-6 DLO | 250kcmil-6 AWG | 290 | 3.07 | 1.91 | 2.17 | 1/4 |
| PBTS-4-250-F | 4 | 4/0-6 H,I,K 2/0-6 M 3/0-6 DLO | 250kcmil-6 AWG | 290 | 3.96 | 1.91 | 2.17 | 1/4 |
| PBTS-6-250-F | 6 | 4/0-6 H,I,K 2/0-6 M 3/0-6 DLO | 250kcmil-6 AWG | 290 | 5.75 | 1.91 | 2.17 | 1/4 |
| PBTS-2-350-F | 2 | 250-6 H,I,K 4/0-6 M 262.2-6 DLO | 350kcmil-6 AWG | 350 | 2.51 | 2.03 | 2.62 | 5/16 |
| PBTS-3-350-F | 3 | 250-6 H,I,K 4/0-6 M 262.2-6 DLO | 350kcmil-6 AWG | 350 | 3.56 | 2.03 | 2.62 | 5/16 |
| PBTS-4-350-F | 4 | 250-6 H,I,K 4/0-6 M 262.2-6 DLO | 350kcmil-6 AWG | 350 | 4.61 | 2.03 | 2.62 | 5/16 |
| PBTS-6-350-F | 6 | 250-6 H,I,K 4/0-6 M 262.2-6 DLO | 350kcmil-6 AWG | 350 | 6.71 | 2.03 | 2.62 | 5/16 |
| PBTS-2-500-F | 2 | 350-4 H,I,K 4/0-4 M 373.7-4 DLO | 600kcmil-4 AWG | 475 | 2.78 | 2.38 | 3.03 | 3/8 |
| PBTS-3-500-F | 3 | 350-4 H,I,K 4/0-4 M 373.7-4 DLO | 600kcmil-4 AWG | 475 | 4.06 | 2.38 | 3.03 | 3/8 |
| PBTS-4-500-F | 4 | 350-4 H,I,K 4/0-4 M 373.7-4 DLO | 600kcmil-4 AWG | 475 | 5.34 | 2.38 | 3.03 | 3/8 |
| PBTS-6-500-F | 6 | 350-4 H,I,K 4/0-4 M 373.7-4 DLO | 600kcmil-4 AWG | 475 | 7.91 | 2.38 | 3.03 | 3/8 |
| PBTS-2-750-F | 2 | 500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO | 750kcmil-4/0 AWG | 535 | 3.34 | 2.69 | 3.06 | 1/2 |
| PBTS-3-750-F | 3 | 500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO | 750kcmil-4/0 AWG | 535 | 4.90 | 2.69 | 3.06 | 1/2 |
| PBTS-4-750-F | 4 | 500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO | 750kcmil-4/0 AWG | 535 | 6.46 | 2.69 | 3.06 | 1/2 |
| PBTS-6-750-F | 6 | 500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO | 750kcmil-4/0 AWG | 535 | 9.58 | 2.69 | 3.06 | 1/2 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

For one input & multiple output configurations, the allowable ampacities per NEC Table 310.16 and 310.17 are as follows: #4-95 Amps, 1/0-170 Amps, 3/0-225 Amps, 250-290 Amps, 350-350 Amps, 600-475 Amps, 750-535 Amps.

For multiple inputs, the inputs must be staggered with outputs to allow for ampacities to be additive per NEC Table 310.16 and 310.17.

Tested to UL 486A/B, UL File E6207 +Standard hex screw

**TYPE
PBTf**

Features

- Broad wire range: 750kcmil-14
- UL 486A/B Listed for 600 volts, 90° C
- Dual rated
- Cold temperature rated to -45° C
- High dielectric strength plastisol
- Black cover
- Removable plugs
- Prefilled with De-ox®
- NIMBUS Flexible caps are Reflex Blue
- Patented screw design

Benefits

- Flexibility in the field
- Ensures reliability
- For copper, copper flex or aluminum conductor
- Application variability
- Chemical resistant
- UV Rated
- Entry port closure
- Prevents oxides from forming
- Easy identification in the field
- Improves vibration resistance, compresses conductor without damage, eliminates the need for ferrules



D

| Catalog Number | No. of Ports | Wire Range | | | Alternate Wire Range | Ampere Rating | Dimensions | | | Hex Size |
|----------------|--------------|------------------|-----------|---------------|----------------------|---------------|------------|-------|--------|----------|
| | | | | | | | Length | Width | Height | |
| PBTD-2-4-F+ | 2 | 8-14 H,I,K,M,DLO | | | 4-14 AWG | 95 | 1.24 | 1.25 | 1.42 | 1/8 |
| PBTD-3-4-F | 3 | 8-14 H,I,K,M,DLO | | | 4-14 AWG | 95 | 1.70 | 1.25 | 1.42 | 1/8 |
| PBTD-4-4-F | 4 | 8-14 H,I,K,M,DLO | | | 4-14 AWG | 95 | 2.16 | 1.25 | 1.42 | 1/8 |
| PBTD-6-4-F | 6 | 8-14 H,I,K,M,DLO | | | 4-14 AWG | 95 | 3.07 | 1.24 | 1.42 | 1/8 |
| PBTD-2-1/0-F | 2 | 1-14 H,I,K DLO | 2-14 M | | 1/0-14 AWG | 170 | 1.67 | 1.63 | 1.63 | 3/16 |
| PBTD-3-1/0-F | 3 | 1-14 H,I,K DLO | 2-14 M | | 1/0-14 AWG | 170 | 2.29 | 1.63 | 1.63 | 3/16 |
| PBTD-4-1/0-F | 4 | 1-14 H,I,K DLO | 2-14 M | | 1/0-14 AWG | 170 | 2.92 | 1.63 | 1.63 | 3/16 |
| PBTD-6-1/0-F | 6 | 1-14 H,I,K DLO | 2-14 M | | 1/0-14 AWG | 170 | 4.17 | 1.63 | 1.63 | 3/16 |
| PBTD-2-3/0-F | 2 | 2/0-6 H,I,K,DLO | 1-6 M | | 3/0-6 AWG | 225 | 1.89 | 1.68 | 1.86 | 1/4 |
| PBTD-3-3/0-F | 3 | 2/0-6 H,I,K,DLO | 1-6 M | | 3/0-6 AWG | 225 | 2.65 | 1.68 | 1.86 | 1/4 |
| PBTD-4-3/0-F | 4 | 2/0-6 H,I,K,DLO | 1-6 M | | 3/0-6 AWG | 225 | 3.42 | 1.68 | 1.86 | 1/4 |
| PBTD-6-3/0-F | 6 | 2/0-6 H,I,K,DLO | 1-6 M | | 3/0-6 AWG | 225 | 4.95 | 1.68 | 1.86 | 1/4 |
| PBTD-2-250-F | 2 | 4/0-6 H,I,K | 2/0-6 M | 3/0-6 DLO | 250kcmil-6 AWG | 290 | 2.17 | 2.13 | 2.17 | 1/4 |
| PBTD-3-250-F | 3 | 4/0-6 H,I,K | 2/0-6 M | 3/0-6 DLO | 250kcmil-6 AWG | 290 | 3.07 | 2.13 | 2.17 | 1/4 |
| PBTD-4-250-F | 4 | 4/0-6 H,I,K | 2/0-6 M | 3/0-6 DLO | 250kcmil-6 AWG | 290 | 3.96 | 2.13 | 2.17 | 1/4 |
| PBTD-6-250-F | 6 | 4/0-6 H,I,K | 2/0-6 M | 3/0-6 DLO | 250kcmil-6 AWG | 290 | 5.75 | 2.13 | 2.17 | 1/4 |
| PBTD-2-350-F | 2 | 250-6 H,I,K | 4/0-6 M | 262.2-6 DLO | 350kcmil-6 AWG | 350 | 2.51 | 2.25 | 2.62 | 5/16 |
| PBTD-3-350-F | 3 | 250-6 H,I,K | 4/0-6 M | 262.2-6 DLO | 350kcmil-6 AWG | 350 | 3.56 | 2.25 | 2.62 | 5/16 |
| PBTD-4-350-F | 4 | 250-6 H,I,K | 4/0-6 M | 262.2-6 DLO | 350kcmil-6 AWG | 350 | 4.61 | 2.25 | 2.62 | 5/16 |
| PBTD-6-350-F | 6 | 250-6 H,I,K | 4/0-6 M | 262.2-6 DLO | 350kcmil-6 AWG | 350 | 6.71 | 2.25 | 2.62 | 5/16 |
| PBTD-2-500-F | 2 | 350-4 H,I,K | 4/0-4 M | 373.7-4 DLO | 600kcmil-4 AWG | 475 | 2.47 | 2.63 | 2.63 | 3/8 |
| PBTD-3-500-F | 3 | 350-4 H,I,K | 4/0-4 M | 373.7-4 DLO | 600kcmil-4 AWG | 475 | 3.75 | 2.63 | 2.63 | 3/8 |
| PBTD-4-500-F | 4 | 350-4 H,I,K | 4/0-4 M | 373.7-4 DLO | 600kcmil-4 AWG | 475 | 5.03 | 2.63 | 2.63 | 3/8 |
| PBTD-6-500-F | 6 | 350-4 H,I,K | 4/0-4 M | 373.7-4 DLO | 600kcmil-4 AWG | 475 | 7.59 | 2.63 | 2.63 | 3/8 |
| PBTD-2-750-F | 2 | 500-3/0 H,I,K | 4/0-3/0 M | 535.3-3/0 DLO | 750kcmil-4/0 AWG | 535 | 3.34 | 3.25 | 3.21 | 1/2 |
| PBTD-3-750-F | 3 | 500-3/0 H,I,K | 4/0-3/0 M | 535.3-3/0 DLO | 750kcmil-4/0 AWG | 535 | 4.90 | 3.25 | 3.21 | 1/2 |
| PBTD-4-750-F | 4 | 500-3/0 H,I,K | 4/0-3/0 M | 535.3-3/0 DLO | 750kcmil-4/0 AWG | 535 | 6.46 | 3.25 | 3.21 | 1/2 |
| PBTD-6-750-F | 6 | 500-3/0 H,I,K | 4/0-3/0 M | 535.3-3/0 DLO | 750kcmil-4/0 AWG | 535 | 9.58 | 3.25 | 3.21 | 1/2 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

For one input & multiple output configurations, the allowable ampacities per NEC Table 310.16 and 310.17 are as follows: #4-95 Amps, 1/0-170 Amps, 3/0-225 Amps, 250-290 Amps, 350-350 Amps, 600-475 Amps, 750-535 Amps.

For multiple inputs, the inputs must be staggered with outputs to allow for ampacities to be additive per NEC Table 310.16 and 310.17.

Tested to UL 486A/B, UL File E6207 +Standard hex screw

**TYPE
PBTf**

Features

- Broad wire range: 750kcmil-14
- UL 486A/B Listed for 600 volts, 90° C
- Dual rated
- Cold temperature rated to -45° C
- High dielectric strength plastisol
- Black cover
- Removable plugs
- Prefilled with De-ox®
- NIMBUS Flexible caps are Reflex Blue
- Patented screw design

Benefits

- Flexibility in the field
- Ensures reliability
- For copper, copper flex or aluminum conductor
- Application variability
- Chemical resistant
- UV Rated
- Entry port closure
- Prevents oxides from forming
- Easy identification in the field
- Improves vibration resistance, compresses conductor without damage, eliminates the need for ferrules



D

| Catalog Number | No. of Ports* | Wire Range | | | Alternate Wire Range | Ampere Rating | Dimensions | | | Hex Size |
|----------------|---------------|-----------------|-----------|---------------|----------------------|---------------|------------|-------|--------|----------|
| | | | | | | | Length | Width | Height | |
| PBTD-2-3/0-M-F | 2 | 2/0-6 H,I,K,DLO | 1-6 M | | 3/0-6 AWG | 225 | 3.42 | 1.68 | 1.86 | 1/4 |
| PBTD-3-3/0-M-F | 3 | 2/0-6 H,I,K,DLO | 1-6 M | | 3/0-6 AWG | 225 | 4.18 | 1.68 | 1.86 | 1/4 |
| PBTD-4-3/0-M-F | 4 | 2/0-6 H,I,K,DLO | 1-6 M | | 3/0-6 AWG | 225 | 4.95 | 1.68 | 1.86 | 1/4 |
| PBTD-6-3/0-M-F | 6 | 2/0-6 H,I,K,DLO | 1-6 M | | 3/0-6 AWG | 225 | 6.48 | 1.68 | 1.86 | 1/4 |
| PBTD-2-250-M-F | 2 | 4/0-6 H,I,K | 2/0-6 M | 3/0-6 DLO | 250kcmil-6 AWG | 290 | 3.96 | 2.13 | 2.17 | 5/16 |
| PBTD-3-250-M-F | 3 | 4/0-6 H,I,K | 2/0-6 M | 3/0-6 DLO | 250kcmil-6 AWG | 290 | 4.85 | 2.13 | 2.17 | 5/16 |
| PBTD-4-250-M-F | 4 | 4/0-6 H,I,K | 2/0-6 M | 3/0-6 DLO | 250kcmil-6 AWG | 290 | 5.73 | 2.13 | 2.17 | 5/16 |
| PBTD-6-250-M-F | 6 | 4/0-6 H,I,K | 2/0-6 M | 3/0-6 DLO | 250kcmil-6 AWG | 290 | 7.53 | 2.13 | 2.17 | 5/16 |
| PBTD-2-350-M-F | 2 | 250-6 H,I,K | 4/0-6 M | 262.2-6 DLO | 350kcmil-6 AWG | 350 | 4.61 | 2.25 | 2.62 | 5/16 |
| PBTD-3-350-M-F | 3 | 250-6 H,I,K | 4/0-6 M | 262.2-6 DLO | 350kcmil-6 AWG | 350 | 5.67 | 2.25 | 2.62 | 5/16 |
| PBTD-4-350-M-F | 4 | 250-6 H,I,K | 4/0-6 M | 262.2-6 DLO | 350kcmil-6 AWG | 350 | 6.71 | 2.25 | 2.62 | 5/16 |
| PBTD-6-350-M-F | 6 | 250-6 H,I,K | 4/0-6 M | 262.2-6 DLO | 350kcmil-6 AWG | 350 | 8.81 | 2.25 | 2.62 | 5/16 |
| PBTD-2-500-M-F | 2 | 350-4 H,I,K | 4/0-4 M | 373.7-4 DLO | 600kcmil-4 AWG | 475 | 5.34 | 3.03 | 3.20 | 3/8 |
| PBTD-3-500-M-F | 3 | 350-4 H,I,K | 4/0-4 M | 373.7-4 DLO | 600kcmil-4 AWG | 475 | 6.62 | 3.03 | 3.20 | 3/8 |
| PBTD-4-500-M-F | 4 | 350-4 H,I,K | 4/0-4 M | 373.7-4 DLO | 600kcmil-4 AWG | 475 | 7.41 | 3.03 | 3.20 | 3/8 |
| PBTD-6-500-M-F | 6 | 350-4 H,I,K | 4/0-4 M | 373.7-4 DLO | 600kcmil-4 AWG | 475 | 10.47 | 3.03 | 3.20 | 3/8 |
| PBTD-2-750-M-F | 2 | 500-3/0 H,I,K | 4/0-3/0 M | 535.3-3/0 DLO | 750kcmil-4/0 AWG | 535 | 6.46 | 3.25 | 3.58 | 1/2 |
| PBTD-3-750-M-F | 3 | 500-3/0 H,I,K | 4/0-3/0 M | 535.3-3/0 DLO | 750kcmil-4/0 AWG | 535 | 8.02 | 3.25 | 3.58 | 1/2 |
| PBTD-4-750-M-F | 4 | 500-3/0 H,I,K | 4/0-3/0 M | 535.3-3/0 DLO | 750kcmil-4/0 AWG | 535 | 9.58 | 3.25 | 3.58 | 1/2 |
| PBTD-6-750-M-F | 6 | 500-3/0 H,I,K | 4/0-3/0 M | 535.3-3/0 DLO | 750kcmil-4/0 AWG | 535 | 12.70 | 3.25 | 3.58 | 1/2 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

For one input & multiple output configurations, the allowable ampacities per NEC Table 310.16 and 310.17 are as follows: #4-95 Amps, 1/0-170 Amps, 3/0-225 Amps, 250-290 Amps, 350-350 Amps, 600-475 Amps, 750-535 Amps.

For multiple inputs, the inputs must be staggered with outputs to allow for ampacities to be additive per NEC Table 310.16 and 310.17.

Tested to UL 486A/B, UL File E6207

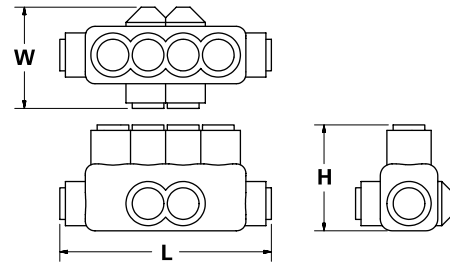
**TYPE
PBTT**

Features

- Accepts building code and fine stranded (flexible) conductor
- UL 486A/B Listed for 600 volts, 90° C
- Dual rated
- Cold temperature rated to -45° C
- High dielectric strength plastisol
- Black cover
- Removable plugs
- Prefilled with De-ox®
- NIMBUS Flexible caps are Reflex Blue
- Patented screw design
- Configuration suited to applications with restricted space

Benefits

- Versatility
- Ensures reliability
- For copper, copper flex or aluminum conductor
- Application variability
- Chemical resistant
- UV Rated
- Entry port closure
- Prevents oxides from forming
- Easy identification in the field
- Improves vibration resistance, compresses conductor without damage, eliminates the need for ferrules
- More variability with less space



D

| Catalog Number | No. of Ports* | Wire Range | Alternate Wire Range | Ampere Rating | Dimensions | | | Hex Size |
|----------------|---------------|------------------|---------------------------------------|---------------|------------|--------|--------|----------|
| | | | | | Length | Width | Height | |
| PBTT-3-350-F | 3 | 350kcmil-6 AWG | 250-6 H,I,K 4/0-6 M 262.2-6 DLO | 350 | 3.3750 | 2.0310 | 2.4300 | 5/16 |
| PBTT-4-350-F | 4 | 350kcmil-6 AWG | 250-6 H,I,K 4/0-6 M 262.2-6 DLO | 350 | 4.5310 | 2.0300 | 2.4300 | 5/16 |
| PBTT-3-500-F | 3 | 600kcmil-4 AWG | 350-4 H,I,K 4/0-4 M 373.7-4 DLO | 430 | 3.7500 | 2.2500 | 3.0000 | 3/8 |
| PBTT-4-500-F | 4 | 600kcmil-4 AWG | 350-4 H,I,K 4/0-4 M 373.7-4 DLO | 430 | 5.0310 | 2.2500 | 3.0000 | 3/8 |
| PBTT-3-750-F | 3 | 750kcmil-4/0 AWG | 500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO | 535 | 3.7500 | 2.2500 | 3.1800 | 1/2 |
| PBTT-4-750-F | 4 | 750kcmil-4/0 AWG | 500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO | 535 | 5.0310 | 2.2500 | 3.1800 | 1/2 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

For one input & multiple output configurations, the allowable ampacities per NEC Table 310.16 and 310.17 are as follows: #4-95 Amps, 1/0-170 Amps, 3/0-225 Amps, 250-290 Amps, 350-350 Amps, 600-475 Amps, 750-535 Amps.

For multiple inputs, the inputs must be staggered with outputs to allow for ampacities to be additive per NEC Table 310.16 and 310.17.

Tested to UL 486A/B, UL File E6207

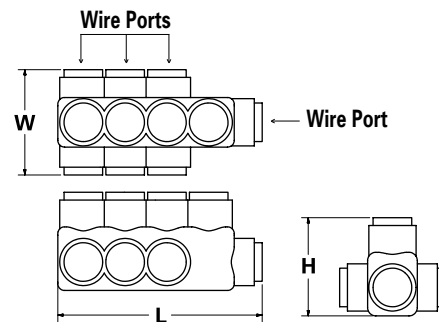
**TYPE
PBTL**

Features

- Accepts building code and fine stranded (flexible) conductor
- UL 486A/B Listed for 600 volts, 90° C
- Dual rated
- Cold temperature rated to -45° C
- High dielectric strength plastisol
- Black cover
- Removable plugs
- Prefilled with De-ox®
- NIMBUS Flexible caps are Reflex Blue
- Patented screw design
- Configuration suited to applications with restricted space

Benefits

- Versatility
- Ensures reliability
- For copper, copper flex or aluminum conductor
- Application variability
- Chemical resistant
- UV Rated
- Entry port closure
- Prevents oxides from forming
- Easy identification in the field
- Improves vibration resistance, compresses conductor without damage, eliminates the need for ferrules
- More variability with less space



D

| Catalog Number | No. of Ports* | Wire Range | Alternate Wire Range | Ampere Rating | Dimensions | | | Hex Size |
|----------------|---------------|------------------|---------------------------------------|---------------|------------|--------|--------|----------|
| | | | | | Length | Width | Height | |
| PBTL-2-350-F | 2 | 350kcmil-6 AWG | 250-6 H,I,K 4/0-6 M 262.2-6 DLO | 350 | 2.2180 | 2.2500 | 2.4300 | 5/16 |
| PBTL-3-350-F | 3 | 350kcmil-6 AWG | 250-6 H,I,K 4/0-6 M 262.2-6 DLO | 350 | 3.3740 | 2.2500 | 2.4300 | 5/16 |
| PBTL-4-350-F | 4 | 350kcmil-6 AWG | 250-6 H,I,K 4/0-6 M 262.2-6 DLO | 350 | 4.5300 | 2.2500 | 2.4300 | 5/16 |
| PBTL-2-500-F | 2 | 600kcmil-4 AWG | 350-4 H,I,K 4/0-4 M 373.7-4 DLO | 430 | 2.4690 | 2.6250 | 3.0000 | 3/8 |
| PBTL-3-500-F | 3 | 600kcmil-4 AWG | 350-4 H,I,K 4/0-4 M 373.7-4 DLO | 430 | 3.7500 | 2.6250 | 3.0000 | 3/8 |
| PBTL-4-500-F | 4 | 600kcmil-4 AWG | 350-4 H,I,K 4/0-4 M 373.7-4 DLO | 430 | 5.0310 | 2.6250 | 3.0000 | 1/4 |
| PBTL-2-750-F | 2 | 750kcmil-4/0 AWG | 500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO | 535 | 3.0280 | 3.2490 | 3.1800 | 1/2 |
| PBTL-3-750-F | 3 | 750kcmil-4/0 AWG | 500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO | 535 | 4.5880 | 3.2490 | 3.1800 | 1/2 |
| PBTL-4-750-F | 4 | 750kcmil-4/0 AWG | 500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO | 535 | 6.1480 | 3.2490 | 2.4300 | 1/2 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

For one input & multiple output configurations, the allowable ampacities per NEC Table 310.16 and 310.17 are as follows: #4-95 Amps, 1/0-170 Amps, 3/0-225 Amps, 250-290 Amps, 350-350 Amps, 600-475 Amps, 750-535 Amps.

For multiple inputs, the inputs must be staggered with outputs to allow for ampacities to be additive per NEC Table 310.16 and 310.17.

Tested to UL 486A/B, UL File E6207

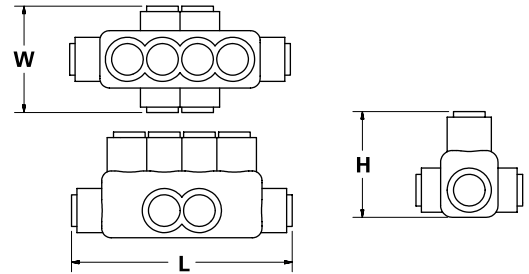
**TYPE
PBTX**

Features

- Accepts building code and fine stranded (flexible) conductor
- UL 486A/B Listed for 600 volts, 90° C
- Dual rated
- Cold temperature rated to -45° C
- High dielectric strength plastisol
- Black cover
- Removable plugs
- Prefilled with De-ox®
- NIMBUS Flexible caps are Reflex Blue
- Patented screw design
- Configuration suited to applications with restricted space

Benefits

- Versatility
- Ensures reliability
- For copper, copper flex or aluminum conductor
- Application variability
- Chemical resistant
- UV Rated
- Entry port closure
- Prevents oxides from forming
- Easy identification in the field
- Improves vibration resistance, compresses conductor without damage, eliminates the need for ferrules
- More variability with less space



D

| Catalog Number | No. of Ports* | Wire Range | Alternate Wire Range | Ampere Rating | Dimensions | | | Hex Size |
|----------------|---------------|------------------|---------------------------------------|---------------|------------|--------|--------|----------|
| | | | | | Length | Width | Height | |
| PBTX-4-350-F | 4 | 350kcmil-6 AWG | 250-6 H,I,K 4/0-6 M 262.2-6 DLO | 350 | 4.5310 | 2.5800 | 2.4300 | 5/16 |
| PBTX-4-500-F | 4 | 600kcmil-4 AWG | 350-4 H,I,K 4/0-4 M 373.7-4 DLO | 430 | 5.0310 | 2.6520 | 3.0000 | 3/8 |
| PBTX-4-750-F | 4 | 750kcmil-4/0 AWG | 500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO | 535 | 6.1480 | 3.2490 | 3.1800 | 1/2 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

For one input & multiple output configurations, the allowable ampacities per NEC Table 310.16 and 310.17 are as follows: #4-95 Amps, 1/0-170 Amps, 3/0-225 Amps, 250-290 Amps, 350-350 Amps, 600-475 Amps, 750-535 Amps.

For multiple inputs, the inputs must be staggered with outputs to allow for ampacities to be additive per NEC Table 310.16 and 310.17.

Tested to UL 486A/B, UL File E6207

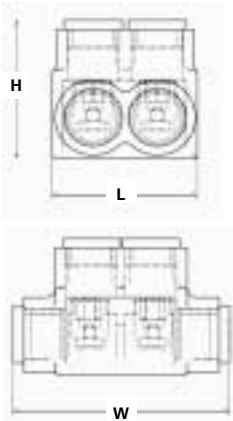
**TYPE
PBT2**

Features

- Fully rated per NEC
- Line side is isolated from load side by wire stop
- Patented screw design
- Broad wire range: 750kcmil-6
- UL 486A/B Listed for 600 volts, 90° C
- Dual rated
- Cold temperature rated to -45° C
- High dielectric strength plastisol
- Prefilled with De-ox® oxide inhibiting compound
- NIMBUS 4 Flex caps are Reflex Blue

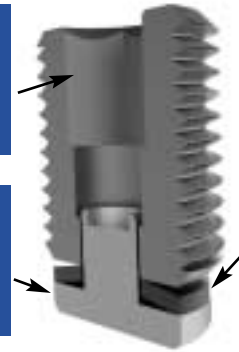
Benefits

- All wire ports can be used
- Accepts mixed classes of conductor
- Improves vibration resistance, compresses conductor without damage, eliminates the need for ferrules, making it reusable
- Flexibility in the field
- Ensures reliability
- For copper, copper flex or aluminum conductor
- Application variability
- Chemical resistant
- Prevents oxides from forming
- Easy identification in the field



SCREW BODY allows tightening and loosening with internal hex head

DISK PAD eliminates tearing of strands in DLO and flex wire



BELLEVILLE WASHER provides constant normal force around disk pad

D

| Catalog Number | No. of Ports* | Wire Range | Alternate Wire Range | Dimensions | | | Hex Size |
|----------------|---------------|---------------------------------------|----------------------|---------------|---------------|--------------|----------|
| | | | | Length | Width | Height | |
| PBT2-4-250-F | 4 | 4/0-6 H,I,K 2/0-6 M 3/0-6 DLO | 250kcmil-6 | 1.798 (45.7) | 3.188 (81.0) | 2.041 (51.8) | 5/16 |
| PBT2-6-250-F | 6 | 4/0-6 H,I,K 2/0-6 M 3/0-6 DLO | 250kcmil-6 | 2.712 (68.9) | 3.188 (81.0) | 2.041 (51.8) | 5/16 |
| PBT2-8-250-F | 8 | 4/0-6 H,I,K 2/0-6 M 3/0-6 DLO | 250kcmil-6 | 3.642 (92.5) | 3.188 (81.0) | 2.041 (51.8) | 5/16 |
| PBT2-10-250-F | 10 | 4/0-6 H,I,K 2/0-6 M 3/0-6 DLO | 250kcmil-6 | 4.572 (116.1) | 3.188 (81.0) | 2.041 (51.8) | 5/16 |
| PBT2-12-250-F | 12 | 4/0-6 H,I,K 2/0-6 M 3/0-6 DLO | 250kcmil-6 | 5.502 (139.8) | 3.188 (81.0) | 2.041 (51.8) | 5/16 |
| PBT2-4-350-F | 4 | 250-6 H,I,K 4/0-6 M 262.2-6 DLO | 350kcmil-6 | 2.218 (56.3) | 3.708 (94.2) | 2.281 (57.9) | 5/16 |
| PBT2-6-350-F | 6 | 250-6 H,I,K 4/0-6 M 262.2-6 DLO | 350kcmil-6 | 3.374 (85.7) | 3.708 (94.2) | 2.281 (57.9) | 5/16 |
| PBT2-8-350-F | 8 | 250-6 H,I,K 4/0-6 M 262.2-6 DLO | 350kcmil-6 | 4.530 (115.1) | 3.708 (94.2) | 2.281 (57.9) | 5/16 |
| PBT2-10-350-F | 10 | 250-6 H,I,K 4/0-6 M 262.2-6 DLO | 350kcmil-6 | 5.686 (144.4) | 3.708 (94.2) | 2.281 (57.9) | 5/16 |
| PBT2-12-350-F | 12 | 250-6 H,I,K 4/0-6 M 262.2-6 DLO | 350kcmil-6 | 6.842 (173.8) | 3.708 (94.2) | 2.281 (57.9) | 5/16 |
| PBT2-4-600-F | 4 | 350-4 H,I,K 4/0-4 M 373.7-4 DLO | 600kcmil-4 | 2.781 (70.6) | 4.281 (108.7) | 3.034 (77.1) | 3/8 |
| PBT2-6-600-F | 6 | 350-4 H,I,K 4/0-4 M 373.7-4 DLO | 600kcmil-4 | 4.062 (103.2) | 4.281 (108.7) | 3.034 (77.1) | 3/8 |
| PBT2-8-600-F | 8 | 350-4 H,I,K 4/0-4 M 373.7-4 DLO | 600kcmil-4 | 5.343 (135.7) | 4.281 (108.7) | 3.034 (77.1) | 3/8 |
| PBT2-10-600-F | 10 | 350-4 H,I,K 4/0-4 M 373.7-4 DLO | 600kcmil-4 | 6.624 (168.2) | 4.281 (108.7) | 3.034 (77.1) | 3/8 |
| PBT2-12-600-F | 12 | 350-4 H,I,K 4/0-4 M 373.7-4 DLO | 600kcmil-4 | 7.905 (200.8) | 4.281 (108.7) | 3.034 (77.1) | 3/8 |
| PBT2-4-750-F | 4 | 500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO | 750kcmil-4/0 | 3.340 (84.8) | 4.905 (124.6) | 3.206 (81.4) | 1/2 |
| PBT2-6-750-F | 6 | 500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO | 750kcmil-4/0 | 4.900 (124.5) | 4.905 (124.6) | 3.206 (81.4) | 1/2 |
| PBT2-8-750-F | 8 | 500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO | 750kcmil-4/0 | 6.460 (164.1) | 4.905 (124.6) | 3.206 (81.4) | 1/2 |
| PBT2-10-750-F | 10 | 500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO | 750kcmil-4/0 | 8.020 (203.7) | 4.905 (124.6) | 3.206 (81.4) | 1/2 |
| PBT2-12-750-F | 12 | 500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO | 750kcmil-4/0 | 9.580 (243.3) | 4.905 (124.6) | 3.206 (81.4) | 1/2 |

* Contact customer care for additional port configurations
All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Fully rated per NEC Article 310-316
Tested to UL 486A/B, UL File E6207

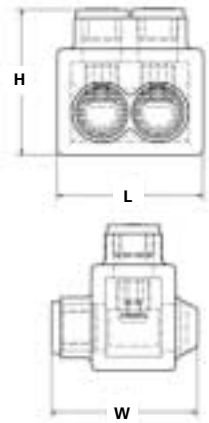
**TYPE
PBTI**

Features

- Available with color coded screw caps
- Patented screw design
- Cold temperature rated to -45° C
- High dielectric strength plastisol
- Removable plugs
- Prefilled with De-ox® oxide inhibiting compound
- NIMBUS 4 Flex wire way caps are Reflex Blue
- UL 486A/B Listed for 600 volts, 90° C
- Dual rated

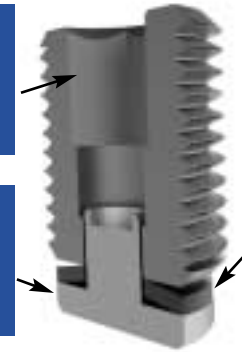
Benefits

- Simplifies motor wire-up
- Improves vibration resistance, compresses conductor without damage, eliminates the need for ferrules, making it reusable
- Application variability
- Chemical resistant
- Protect wire way from contamination
- Prevents oxides from forming
- Easy identification in the field
- Ensures reliability
- For copper, copper flex or aluminum conductor



SCREW BODY allows tightening and loosening with internal hex head

DISK PAD eliminates tearing of strands in DLO and flex wire



BELLEVILLE WASHER provides constant normal force around disk pad

| Catalog Number | No. of Ports | Wire Range | Alternate Wire Range | Dimensions - in. (mm) | | | Hex Size |
|----------------|--------------|----------------------|----------------------|-----------------------|--------------|--------------|----------|
| | | | | Length | Width | Height | |
| PBTI-2-4-F* | 2 | 8-14 H,I,K,M, DLO | 4-14 AWG | 1.410 (35.8) | 1.257 (31.9) | 1.408 (35.8) | 3/16 |
| PBTI-3-4-F* | 3 | 8-14 H,I,K,M, DLO | 4-14 AWG | 2.035 (51.7) | 1.257 (31.9) | 1.408 (35.8) | 3/16 |
| PBTI-4-4-F* | 4 | 8-14 H,I,K,M, DLO | 4-14 AWG | 2.660 (67.6) | 1.257 (31.9) | 1.408 (35.8) | 3/16 |
| PBTI-5-4-F* | 5 | 8-14 H,I,K,M, DLO | 4-14 AWG | 3.285 (83.4) | 1.257 (31.9) | 1.408 (35.8) | 3/16 |
| PBTI-2-1/0-F* | 2 | 1-14 H,I,K,DLO 2-14M | 1/0-14 AWG | 1.623 (41.2) | 1.625 (41.3) | 1.627 (41.3) | 3/16 |
| PBTI-3-1/0-F* | 3 | 1-14 H,I,K,DLO 2-14M | 1/0-14 AWG | 2.248 (57.1) | 1.625 (41.3) | 1.627 (41.3) | 3/16 |
| PBTI-4-1/0-F* | 4 | 1-14 H,I,K,DLO 2-14M | 1/0-14 AWG | 2.873 (73.0) | 1.625 (41.3) | 1.627 (41.3) | 3/16 |
| PBTI-5-1/0-F* | 5 | 1-14 H,I,K,DLO 2-14M | 1/0-14 AWG | 3.498 (88.8) | 1.625 (41.3) | 1.627 (41.3) | 3/16 |

* Each catalog number must be combined with a color code from Table to determine final catalog number for ordering (i.e. PBTI-2-4-F-*)

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Fully rated per NEC Article 310-316

Tested to UL 486A/B, UL File E6207

TABLE

| Color | Color Code |
|--------|------------|
| Blue | BLU |
| Red | RED |
| Black | BLK |
| Yellow | YEL |
| Orange | ORG |
| Brown | BRN |
| Green | GRN |
| White | WHT |

TYPE
PBTFML

Features

- Supplied in preconfigured kits
- Simplifies Megger testing for motors
- Designed for use with fine stranded conductor
- Supplied with color coded screw caps
- Patented screw design
- UL 486A/B Listed for 600 volts, 90° C
- Dual rated

Benefits

- For specific motor applications, ease of ordering
- Easy disconnect/reconnect without cost of additional materials. No need for electrical tape or wire nuts
- Ideal for motor wiring connections
- Enables user-configurable installations
- Improves vibration resistance, compresses conductor without damage, eliminates the need for ferrules, making it reusable
- Ensures reliability
- For copper, copper flex or aluminum conductor

| Catalog Number | Wire Range | Alternate Wire Range | Description | Number of Connectors / Motor Leads | Wiring Diagram* Figure Number | Connection Type |
|--------------------|-----------------------|----------------------|---|------------------------------------|-------------------------------|-----------------|
| PBTFML-4-03-WD | 8-14 H,I,K,M, DLO | 4-14 AWG | 3-PHASE 4-14 AWG 3-LEAD WYE OR DELTA CONNECTED MOTOR KIT | 3 | 1 & 2 | WYE or DELTA |
| PBTFML-4-06-W | 8-14 H,I,K,M, DLO | 4-14 AWG | 3-PHASE 4-14 AWG 6-LEAD WYE CONNECTED MOTOR KIT | 6 | 3 | WYE |
| PBTFML-4-06-D | 8-14 H,I,K,M, DLO | 4-14 AWG | 3-PHASE 4-14 AWG 6-LEAD DELTA CONNECTED MOTOR KIT | 6 | 4 | DELTA |
| PBTFML-4-09-W-L | 8-14 H,I,K,M, DLO | 4-14 AWG | 3-PHASE 4-14 AWG 9-LEAD WYE CONNECTED LOW VOLTAGE MOTOR KIT | 9 | 5 | WYE |
| PBTFML-4-09-D-L | 8-14 H,I,K,M, DLO | 4-14 AWG | 3-PHASE 4-14 AWG 9-LEAD DELTA CONNECTED LOW VOLTAGE MOTOR KIT | 9 | 6 | DELTA |
| PBTFML-4-09-WD-H | 8-14 H,I,K,M, DLO | 4-14 AWG | 3-PHASE 4-14 AWG 9-LEAD WYE OR DELTA CONNECTED HIGH VOLTAGE MOTOR KIT | 9 | 7 & 8 | WYE or DELTA |
| PBTFML-4-12-W-L | 8-14 H,I,K,M, DLO | 4-14 AWG | 3-PHASE 4-14 AWG 12-LEAD WYE CONNECTED LOW VOLTAGE MOTOR KIT | 12 | 9 | WYE |
| PBTFML-4-12-D-L | 8-14 H,I,K,M, DLO | 4-14 AWG | 3-PHASE 4-14 AWG 12-LEAD DELTA CONNECTED LOW VOLTAGE MOTOR KIT | 12 | 10 | DELTA |
| PBTFML-4-12-W-H | 8-14 H,I,K,M, DLO | 4-14 AWG | 3-PHASE 4-14 AWG 12-LEAD WYE CONNECTED HIGH VOLTAGE MOTOR KIT | 12 | 11 | WYE |
| PBTFML-4-12-D-H | 8-14 H,I,K,M, DLO | 4-14 AWG | 3-PHASE 4-14 AWG 12-LEAD DELTA CONNECTED HIGH VOLTAGE MOTOR KIT | 12 | 12 | DELTA |
| PBTFML-1/0-03-WD | 1-14 H,I,K, DLO 2-14M | 1/0-14 AWG | 3-PHASE 1/0-14 AWG 3-LEAD WYE OR DELTA CONNECTED MOTOR KIT | 3 | 1 & 2 | WYE or DELTA |
| PBTFML-1/0-06-W | 1-14 H,I,K, DLO 2-14M | 1/0-14 AWG | 3-PHASE 1/0-14 AWG 6-LEAD WYE CONNECTED MOTOR KIT | 6 | 3 | WYE |
| PBTFML-1/0-06-D | 1-14 H,I,K, DLO 2-14M | 1/0-14 AWG | 3-PHASE 1/0-14 AWG 6-LEAD DELTA CONNECTED MOTOR KIT | 6 | 4 | DELTA |
| PBTFML-1/0-09-W-L | 1-14 H,I,K, DLO 2-14M | 1/0-14 AWG | 3-PHASE 1/0-14 AWG 9-LEAD WYE CONNECTED LOW VOLTAGE MOTOR KIT | 9 | 5 | WYE |
| PBTFML-1/0-09-D-L | 1-14 H,I,K, DLO 2-14M | 1/0-14 AWG | 3-PHASE 1/0-14 AWG 9-LEAD DELTA CONNECTED LOW VOLTAGE MOTOR KIT | 9 | 6 | DELTA |
| PBTFML-1/0-09-WD-H | 1-14 H,I,K, DLO 2-14M | 1/0-14 AWG | 3-PHASE 1/0-14 AWG 9-LEAD WYE OR DELTA CONNECTED HIGH VOLTAGE MOTOR KIT | 9 | 7 & 8 | WYE or DELTA |
| PBTFML-1/0-12-W-L | 1-14 H,I,K, DLO 2-14M | 1/0-14 AWG | 3-PHASE 1/0-14 AWG 12-LEAD WYE CONNECTED LOW VOLTAGE MOTOR KIT | 12 | 9 | WYE |
| PBTFML-1/0-12-D-L | 1-14 H,I,K, DLO 2-14M | 1/0-14 AWG | 3-PHASE 1/0-14 AWG 12-LEAD DELTA CONNECTED LOW VOLTAGE MOTOR KIT | 12 | 10 | DELTA |
| PBTFML-1/0-12-W-H | 1-14 H,I,K, DLO 2-14M | 1/0-14 AWG | 3-PHASE 1/0-14 AWG 12-LEAD WYE CONNECTED HIGH VOLTAGE MOTOR KIT | 12 | 11 | WYE |
| PBTFML-1/0-12-D-H | 1-14 H,I,K, DLO 2-14M | 1/0-14 AWG | 3-PHASE 1/0-14 AWG 12-LEAD DELTA CONNECTED HIGH VOLTAGE MOTOR KIT | 12 | 12 | DELTA |

* Refer to wiring diagram page for details

Common 3-Phase AC Motor Wiring Diagrams

| NEMA Nomenclature | WYE Connected | DELTA Connected |
|--|------------------|------------------|
| 3-Lead Single Voltage Motor | <p>Figure 1</p> | <p>Figure 2</p> |
| 6-Lead Single Voltage Motor | <p>Figure 3</p> | <p>Figure 4</p> |
| 9-Lead Dual Voltage Motor Low Voltage | <p>Figure 5</p> | <p>Figure 6</p> |
| 9-Lead Dual Voltage Motor High Voltage | <p>Figure 7</p> | <p>Figure 8</p> |
| 12-Lead Dual Voltage Motor Low Voltage | <p>Figure 9</p> | <p>Figure 10</p> |
| 12-Lead Dual Voltage Motor High Voltage | <p>Figure 11</p> | <p>Figure 12</p> |

Always use wiring diagram supplied on motor nameplate

**TYPE
PCT**

Features

- Transparent flexible insulating cover
- Captive pressure screws
- Self-closing openings
- Access from both sides of connector
- Broad wire range: 800kcmil-14
- UL Listed for 600 volts, 90° C
- Dual Rated

Benefits

- No taping and allows visual inspection of connection
- No wasted time finding screws
- No lost or loose caps and plugs
- Provides greater versatility
- Reduces inventory
- Ensures reliability
- For copper or aluminum conductor

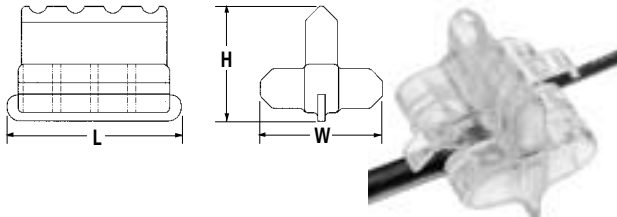


Fig. 1 (Patented)

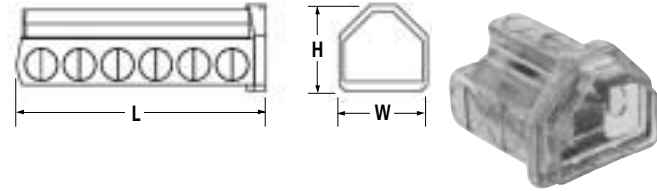


Fig. 2

| Catalog Number | Figure No. | No. Of Ports | Wire Range | Ampere Rating | Dimensions | | | Hex Size |
|----------------|------------|--------------|-------------------|---------------|------------|------|------|----------|
| | | | | | L | W | H | |
| PCT-2-4 | 1 | 2 | 4-14 | 95 | 1.46 | 1.57 | 1.43 | slot |
| PCT-4-4 | 1 | 4 | 4-14 | 95 | 2.46 | 1.57 | 1.43 | slot |
| PCT-6-4 | 1 | 6 | 4-14 | 95 | 3.46 | 1.57 | 1.43 | slot |
| PCT-8-4 | 1 | 8 | 4-14 | 95 | 4.46 | 1.57 | 1.43 | slot |
| PCT-2-2/0 | 2 | 2 | 2/0-14 | 195 | 2.61 | 2.30 | 1.97 | 3/16 |
| PCT-4-2/0 | 2 | 4 | 2/0-14 | 195 | 4.30 | 2.30 | 1.97 | 3/16 |
| PCT-6-2/0 | 2 | 6 | 2/0-14 | 195 | 5.98 | 2.30 | 1.97 | 3/16 |
| PCT-8-2/0 | 2 | 8 | 2/0-14 | 195 | 7.67 | 2.30 | 1.97 | 3/16 |
| PCT-2-4/0 | 2 | 2 | 4/0-6 | 260 | 2.33 | 2.49 | 2.25 | 5/16 |
| PCT-4-4/0 | 2 | 4 | 4/0-6 | 260 | 4.19 | 2.49 | 2.25 | 5/16 |
| PCT-6-4/0 | 2 | 6 | 4/0-6 | 260 | 6.05 | 2.49 | 2.25 | 5/16 |
| PCT-8-4/0 | 2 | 8 | 4/0-6 | 260 | 7.91 | 2.49 | 2.25 | 5/16 |
| PCT-2-350 | 2 | 2 | 350 kcmil-6 | 350 | 2.75 | 2.69 | 2.65 | 5/16 |
| PCT-4-350 | 2 | 4 | 350 kcmil-6 | 350 | 5.06 | 2.69 | 2.65 | 5/16 |
| PCT-6-350 | 2 | 6 | 350 kcmil-6 | 350 | 7.37 | 2.69 | 2.65 | 5/16 |
| PCT-8-350 | 2 | 8 | 350 kcmil-6 | 350 | 9.68 | 2.69 | 2.65 | 5/16 |
| PCT-2-600 | 2 | 2 | 600 kcmil-4 | 475 | 3.17 | 3.20 | 3.27 | 3/8 |
| PCT-4-600 | 2 | 4 | 600 kcmil-4 | 475 | 5.73 | 3.20 | 3.27 | 3/8 |
| PCT-6-600 | 2 | 6 | 600 kcmil-4 | 475 | 8.29 | 3.20 | 3.27 | 3/8 |
| PCT-8-600 | 2 | 8 | 600 kcmil-4 | 475 | 10.86 | 3.20 | 3.27 | 3/8 |
| PCT-2-800 | 2 | 2 | 800kcmil-250kcmil | 555 | 3.91 | 3.34 | 3.30 | 1/2 |
| PCT-4-800 | 2 | 4 | 800kcmil-250kcmil | 555 | 7.03 | 3.34 | 3.30 | 1/2 |
| PCT-6-800 | 2 | 6 | 800kcmil-250kcmil | 555 | 10.15 | 3.34 | 3.30 | 1/2 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Not suitable for direct burial.

Tested to UL 486A/B, UL File E6207

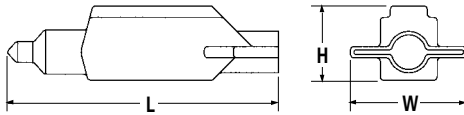
TYPE
SPAR

Features

- Transparent flexible insulating cover
- Range adjustable trim-to-fit tip
- Unique shape and compact design
- Connector, cover and cable tie packaged together
- UL Listed and CSA Certified for 600 volts
- Dual Rated

Benefits

- No taping and allows visual inspection of splice
- Ensures proper fit of cover to cable
- Provides ease of installation, versatility and serviceability of connections made in tight spaces
- Provides ease of ordering
- Ensures reliability
- Use with copper or aluminum conductor



D

| Catalog Number | Wire Range | Dimensions | | | Screw Size & Shape |
|----------------|-------------|------------|------|------|--------------------|
| | | L | W | H | |
| SPAR-4 | 4-14 | 3.30 | 1.55 | .76 | slotted |
| SPAR-2 | 2-14 | 3.83 | 1.75 | .95 | slotted |
| SPAR-1/0 | 1/0-14 | 4.80 | 1.94 | 1.14 | 3/16" socket head |
| SPAR-250 | 250kcmil-6 | 5.67 | 2.41 | 1.29 | 5/16" socket head |
| SPAR-350 | 350kcmil-10 | 6.17 | 3.29 | 1.79 | 5/16" socket head |
| SPAR-500 | 500kcmil-4 | 7.94 | 3.66 | 2.28 | 3/8" socket head |

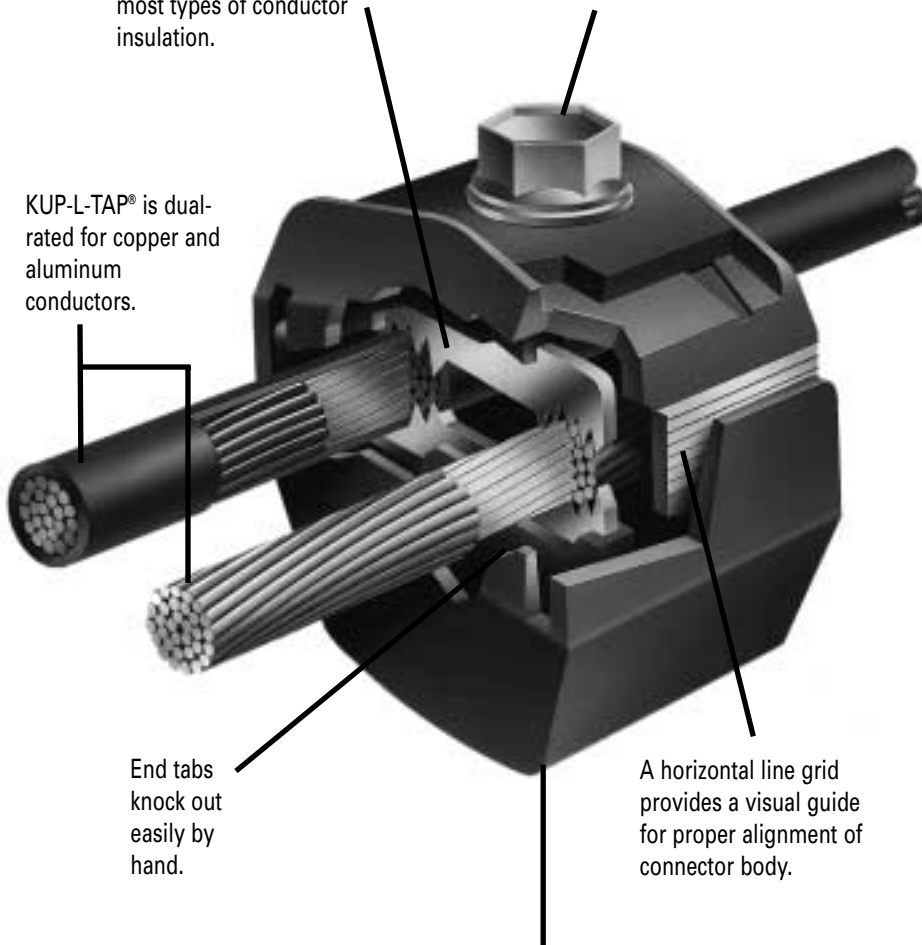
All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Not suitable for direct burial.
DE-OX Oxide Inhibitor is recommended for all aluminum terminations.
Tested to UL 486A/B, UL File E6207

KUP-L-TAP® Insulation Piercing Connectors Save Time And Money

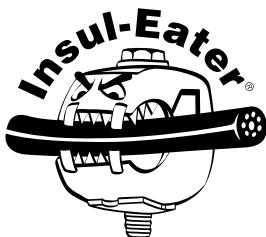
Tin plated, hardened copper contact teeth easily penetrate most types of conductor insulation.

Bolt tightens with just a wrench. Available in stainless steel for corrosive environments.

KUP-L-TAP® is dual-rated for copper and aluminum conductors.



KUP-L-TAP® body is molded of tough, resilient glass-filled nylon. Silicone compound acts as a blocking agent to protect connection from oxidation



KUP-L-Tap® Insulation Piercing Connectors Dual Rated

TYPE IPC



Features

- Body is molded from tough, resilient glass-filled nylon
 - Compact design
 - Tin plated copper contact teeth
 - Insulation piercing
 - Perforated end tabs
 - Pre-filled with silicone lubricant
 - Versatile
 - Increased safety
- Horizontal line grid
 - Temperature rating 90° C

Benefits

- Provides high degree of breakage resistance and long dependable use
- Saves space
- Easily penetrates most types of insulation
- No need to strip the conductor which saves installation time
- Break out easily by hand
- Prevents oxidation and moisture from entering the contact area
- Can be used as a splice or tap connector
- Contains no external energized parts. Can be installed "hot" on energized conductors providing tap conductor is not under load.
- Provides a visual guide for proper installation of conductors

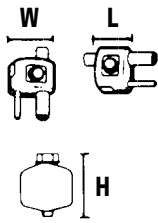


Fig. 1



Fig. 2



Fig. 3



Fig. 4

| Catalog Number | Figure Number | Wire Range | | Volts | Current Rating | | Dimensions | | | Torque Ft. Lbs. | Bolt Head Size |
|----------------|---------------|-------------------|-------------------|-----------------------------|----------------|-----|------------|---------|---------|-----------------|----------------|
| | | Main | Tap | | CU | AL | L | W | H | | |
| IPC-1/0-2 | 3 | 1/0-8 | 2-8 | 300 (480 Grounded Y System) | 130 | 100 | 1-7/32 | 1-15/32 | 2-5/16 | 16 | 1/2 |
| IPC-4/0-6 | 2 | 4/0-4 | 6-14 | 600 | 75 | 60 | 1-27/64 | 1 | 1-7/8 | 13 | 1/2 |
| IPC-4/0-2/0 | 3 | 4/0-2 | 2/0-6 | 600 | 195 | 150 | 1-21/32 | 1-7/8 | 2-7/8 | 25 | 1/2 |
| IPC-250-4/0 | 2 | 250kcmil-1 | 4/0-6 | 600 | 260 | 205 | 1-7/8 | 2-11/32 | 3-11/32 | 30 | 5/8 |
| IPC-350-4/0 | 3 | 350kcmil-4/0 | 4/0-10 | 300 (480 Grounded Y System) | 260 | 205 | 1-43/64 | 2-7/16 | 3-1/8 | 25 | 5/8 |
| IPC-350-350 | 4 | 350kcmil-4/0 | 350kcmil-4/0 | 300 (480 Grounded Y System) | 350 | 280 | 2-43/64 | 2-23/32 | 3-1/4 | 25 | 5/8 |
| IPC-500-12 | 1 | 500kcmil-250kcmil | 10-12 | 300 (480 Grounded Y System) | 40 | 35 | 1-43/64 | 2-7/16 | 3-1/4 | 25 | 5/8 |
| IPC-500-250 | 1 | 500kcmil-250kcmil | 250kcmil-4 | 600 | 290 | 230 | 2-27/64 | 2-29/32 | 3-3/4 | 55 | 5/8-11/16 |
| IPC-500-500 | 1 | 500kcmil-300kcmil | 500kcmil-250kcmil | 600 | 430 | 350 | 3-3/16 | 3-5/8 | 5 | 75 | 7/8-7/8 |
| IPC-750-500 | 1 | 750kcmil-500kcmil | 500kcmil-350kcmil | 600 | 430 | 350 | 3-3/16 | 3-5/8 | 5 | 75 | 7/8-7/8 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

Power Distribution Blocks



PDH



301 - 302

PDE



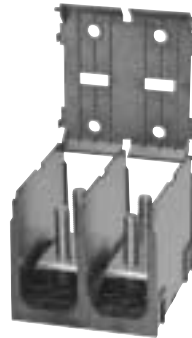
303

PDL



304

PDS



305 - 306

PDM



307 - 308

LDAU/LDBU



309

PDBU



310 - 312

LDA/LDB



313

Snap Bloc®

PDA/PDC



314

PDB



315 - 320

PDE



321

TYPE PDH

Features

- Manufactured from high strength aluminum
- UL 1059 Recognized 90° C 600 Volts and CSA Certified
- Electro-tin plated
- High Short Circuit Rating 100K RMS SYM Amps
- For use with building code or flexible conductor

Benefits

- Suitable for use with either copper or aluminum conductors
- Ensures reliability
- Provides low contact resistance
- Added protection

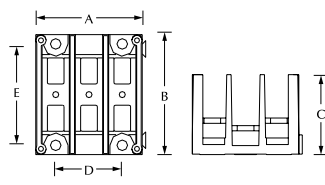


Fig. 1

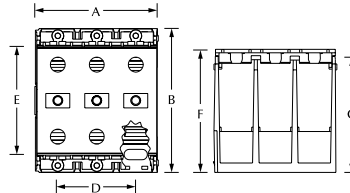


Fig. 2

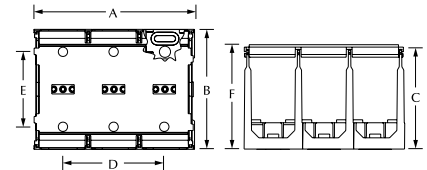


Fig. 3

F

| Catalog Number | Fig. No. | Amps | High SCCR Conditions | | | | | | | | | | SCCR RMS SYM Amps | Volts Max | Dimensions (in.) | | | | | | Cover ID |
|----------------|----------|------|-----------------------|-----------------------|------------------------------|-----------------------|--|-----|-----|-----|----|----|-------------------|-----------|------------------|------|------|------|------|-----------|----------|
| | | | Rated Conductor Range | | Suitable Conductors Per Pole | | Overcurrent Protection Fuse Required Class/Max Amp Rating† | | | | | | | | A | B | C | D | E | F w/cover | |
| | | | Line | Load | Line | Load | J | T | RK1 | RK5 | G | CC | | | | | | | | | |
| PDHN-11-2-1* | 1 | 115 | (1) 2-14 | (1) 2-14 | (1) 2-6 | (1) 2-6 | 200 | 200 | 200 | 100 | 60 | 30 | 200,000 | 600 | 0.83 | 2.29 | 1.53 | - | 1.93 | 1.60 | CVR-2-1 |
| PDHN-11-2-2* | 1 | 115 | (1) 2-14 | (1) 2-14 | (1) 2-6 | (1) 2-6 | 200 | 200 | 200 | 100 | 60 | 30 | 200,000 | 600 | 1.46 | 2.29 | 1.53 | - | 1.93 | 1.60 | CVR-2-1 |
| PDHN-11-2-3* | 1 | 115 | (1) 2-14 | (1) 2-14 | (1) 2-6 | (1) 2-6 | 200 | 200 | 200 | 100 | 60 | 30 | 200,000 | 600 | 2.10 | 2.29 | 1.53 | 1.27 | 1.93 | 1.60 | CVR-2-1 |
| PDHN-11-2-4* | 1 | 115 | (1) 2-14 | (1) 2-14 | (1) 2-6 | (1) 2-6 | 200 | 200 | 200 | 100 | 60 | 30 | 200,000 | 600 | 2.75 | 2.29 | 1.53 | 1.92 | 1.93 | 1.60 | CVR-2-1 |
| PDHN-14-2-1* | 1 | 115 | (1) 2-14 | (4) 10-18 | (1) 2-6 | (4) 10-14 | 200 | 200 | 200 | 100 | 60 | 30 | 200,000 | 600 | 0.83 | 2.29 | 1.53 | - | 1.93 | 1.60 | CVR-2-1 |
| PDHN-14-2-2* | 1 | 115 | (1) 2-14 | (4) 10-18 | (1) 2-6 | (4) 10-14 | 200 | 200 | 200 | 100 | 60 | 30 | 200,000 | 600 | 1.46 | 2.29 | 1.53 | - | 1.93 | 1.60 | CVR-2-1 |
| PDHN-14-2-3* | 1 | 115 | (1) 2-14 | (4) 10-18 | (1) 2-6 | (4) 10-14 | 200 | 200 | 200 | 100 | 60 | 30 | 200,000 | 600 | 2.10 | 2.29 | 1.53 | 1.27 | 1.93 | 1.60 | CVR-2-1 |
| PDHN-14-2-4* | 1 | 115 | (1) 2-14 | (4) 10-18 | (1) 2-6 | (4) 10-14 | 200 | 200 | 200 | 100 | 60 | 30 | 200,000 | 600 | 2.75 | 2.29 | 1.53 | 1.92 | 1.93 | 1.60 | CVR-2-1 |
| PDH-11-2/0-1 | 2 | 175 | (1) 2/0-14 | (1) 2/0-14 | (1) 2/0-6 | (1) 2/0-6 | 200 | 200 | 200 | 100 | 60 | 30 | 100,000 | 600 | 1.00 | 3.00 | 2.42 | - | 2.25 | 2.57 | - |
| PDH-11-2/0-2 | 2 | 175 | (1) 2/0-14 | (1) 2/0-14 | (1) 2/0-6 | (1) 2/0-6 | 200 | 200 | 200 | 100 | 60 | 30 | 100,000 | 600 | 1.82 | 3.00 | 2.42 | 0.81 | 2.25 | 2.57 | - |
| PDH-11-2/0-3 | 2 | 175 | (1) 2/0-14 | (1) 2/0-14 | (1) 2/0-6 | (1) 2/0-6 | 200 | 200 | 200 | 100 | 60 | 30 | 100,000 | 600 | 2.55 | 3.00 | 2.42 | 1.63 | 2.25 | 2.57 | - |
| PDH-11-2/0-A‡ | 2 | 175 | (1) 2/0-14 | (1) 2/0-14 | (1) 2/0-6 | (1) 2/0-6 | 200 | 200 | 200 | 100 | 60 | 30 | 100,000 | 600 | 0.89 | 3.00 | 2.42 | - | 2.25 | - | NA |
| PDH-14-2/0-1 | 2 | 175 | (1) 2/0-14 | (4) 4-14 | (1) 2/0-6 | (4) 4-14 | 200 | 200 | 200 | 100 | 60 | 30 | 100,000 | 600 | 1.00 | 3.00 | 2.42 | - | 2.25 | 2.57 | - |
| PDH-14-2/0-2 | 2 | 175 | (1) 2/0-14 | (4) 4-14 | (1) 2/0-6 | (4) 4-14 | 200 | 200 | 200 | 100 | 60 | 30 | 100,000 | 600 | 1.82 | 3.00 | 2.42 | 0.81 | 2.25 | 2.57 | - |
| PDH-14-2/0-3 | 2 | 175 | (1) 2/0-14 | (4) 4-14 | (1) 2/0-6 | (4) 4-14 | 200 | 200 | 200 | 100 | 60 | 30 | 100,000 | 600 | 2.55 | 3.00 | 2.42 | 1.63 | 2.25 | 2.57 | - |
| PDH-14-2/0-A‡ | 2 | 175 | (1) 2/0-14 | (4) 4-14 | (1) 2/0-6 | (4) 4-14 | 200 | 200 | 200 | 100 | 60 | 30 | 100,000 | 600 | 0.89 | 3.00 | 2.42 | - | 2.25 | - | NA |
| PDH-12-350-1 | 3 | 310 | (1) 350-6 | (2) 2/0-14 | (1) 350-3/0 | (1) 2/0-1 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 1.96 | 4.00 | 3.49 | - | 3.38 | 3.49 | - |
| PDH-12-350-2 | 3 | 310 | (1) 350-6 | (2) 2/0-14 | (1) 350-3/0 | (1) 2/0-1 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 3.66 | 4.00 | 3.49 | 1.70 | 3.38 | 3.49 | - |
| PDH-12-350-3 | 3 | 310 | (1) 350-6 | (2) 2/0-14 | (1) 350-3/0 | (1) 2/0-1 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 5.36 | 4.00 | 3.49 | 3.40 | 3.38 | 3.49 | - |
| PDH-14-400-1 | 3 | 335 | (1) 400-6 | (4) 2-14 | (1) 400-3/0 | (4) 2-8 | 400 | 400 | 400 | 100 | 60 | 30 | 100,000 | 600 | 1.96 | 4.00 | 3.49 | - | 3.38 | 3.49 | - |
| PDH-14-400-2 | 3 | 335 | (1) 400-6 | (4) 2-14 | (1) 400-3/0 | (4) 2-8 | 400 | 400 | 400 | 100 | 60 | 30 | 100,000 | 600 | 3.66 | 4.00 | 3.49 | 1.70 | 3.38 | 3.49 | - |
| PDH-14-400-3 | 3 | 335 | (1) 400-6 | (4) 2-14 | (1) 400-3/0 | (4) 2-8 | 400 | 400 | 400 | 100 | 60 | 30 | 100,000 | 600 | 5.36 | 4.00 | 3.49 | 3.40 | 3.38 | 3.49 | - |
| PDH-26-2/0-1 | 3 | 350 | (2) 2/0-14 | (6) 4-14 | (2) 2/0-2 | (6) 4-8 | 400 | 400 | 400 | 100 | 60 | 30 | 100,000 | 600 | 1.96 | 4.00 | 3.49 | - | 3.38 | 3.49 | - |
| PDH-26-2/0-2 | 3 | 350 | (2) 2/0-14 | (6) 4-14 | (2) 2/0-2 | (6) 4-8 | 400 | 400 | 400 | 100 | 60 | 30 | 100,000 | 600 | 3.66 | 4.00 | 3.49 | 1.70 | 3.38 | 3.49 | - |
| PDH-26-2/0-3 | 3 | 350 | (2) 2/0-14 | (6) 4-14 | (2) 2/0-2 | (6) 4-8 | 400 | 400 | 400 | 100 | 60 | 30 | 100,000 | 600 | 5.36 | 4.00 | 3.49 | 3.40 | 3.38 | 3.49 | - |
| PDH-14A-500-1 | 3 | 380 | (1) 500-4 | (3) 2-14 (1) 350-6 | (1) 500-4 | (3) 2-14 (1) 350-6 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 1.96 | 4.00 | 3.49 | - | 3.38 | 3.49 | - |
| PDH-14A-500-2 | 3 | 380 | (1) 500-4 | (3) 2-14 (1) 350-6 | (1) 500-4 | (3) 2-14 (1) 350-6 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 3.66 | 4.00 | 3.49 | 1.70 | 3.38 | 3.49 | - |
| PDH-14A-500-3 | 3 | 380 | (1) 500-4 | (3) 2-14 (1) 350-6 | (1) 500-4 | (3) 2-14 (1) 350-6 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 5.36 | 4.00 | 3.49 | 3.40 | 3.38 | 3.49 | - |
| PDH-11-600-1 | 3 | 420 | (1) 600-2 | (1) 600-2 | (1) 600-2 | (1) 600-2 | 400 | 400 | 400 | 200 | 60 | 30 | 100,000 | 600 | 1.96 | 4.00 | 3.49 | - | 3.38 | 3.49 | - |
| PDH-11-600-2 | 3 | 420 | (1) 600-2 | (1) 600-2 | (1) 600-2 | (1) 600-2 | 400 | 400 | 400 | 200 | 60 | 30 | 100,000 | 600 | 3.66 | 4.00 | 3.49 | 1.70 | 3.38 | 3.49 | - |
| PDH-11-600-3 | 3 | 420 | (1) 600-2 | (1) 600-2 | (1) 600-2 | (1) 600-2 | 400 | 400 | 400 | 200 | 60 | 30 | 100,000 | 600 | 5.36 | 4.00 | 3.49 | 3.40 | 3.38 | 3.49 | - |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* Cover not standard, available as an option. ‡ Adder Block, cover not available.

† For further details on conductors, fuse ratings, and additional SCCR ratings please refer to product data sheets.

TYPE PDH

Features

- Manufactured from high strength aluminum
- UL 1059 Recognized 90° C 600 Volts and CSA Certified
- Electro-tin plated
- High Short Circuit Rating 100K RMS SYM Amps
- For use with building code or flexible conductor

Benefits

- Suitable for use with either copper or aluminum conductors
- Ensures reliability
- Provides low contact resistance
- Added protection

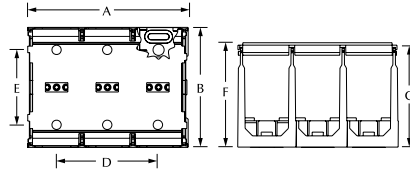


Fig. 3

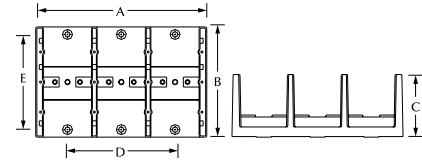


Fig. 4

| Catalog Number | Fig. No. | Amps | Rated Conductor Range | | High SCCR Conditions | | | | | | | | SCCR RMS SYM Amps | Volts Max | Dimensions (in.) | | | | | | Cover ID |
|----------------|----------|------|-----------------------|------------------------|------------------------------|-------------|--|-----|-----|-----|----|----|-------------------|-----------|------------------|------|------|------|------|-----------|----------|
| | | | | | Suitable Conductors Per Pole | | Overcurrent Protection Fuse Required Class/Max Amp Rating† | | | | | | | | A | B | C | D | E | F w/cover | |
| | | | | | Line | Load | J | T | RK1 | RK5 | G | CC | | | | | | | | | |
| PDH-18-600-1 | 3 | 420 | (1) 600-2 | (8) 2-14 | (1) 600-3/0 | (8) 2-8 | 400 | 400 | 400 | 200 | 60 | 30 | 100,000 | 600 | 1.96 | 4.00 | 3.49 | - | 3.38 | 3.49 | - |
| PDH-18-600-2 | 3 | 420 | (1) 600-2 | (8) 2-14 | (1) 600-3/0 | (8) 2-8 | 400 | 400 | 400 | 200 | 60 | 30 | 100,000 | 600 | 3.66 | 4.00 | 3.49 | 1.70 | 3.38 | 3.49 | - |
| PDH-18-600-3 | 3 | 420 | (1) 600-2 | (8) 2-14 | (1) 600-3/0 | (8) 2-8 | 400 | 400 | 400 | 200 | 60 | 30 | 100,000 | 600 | 5.36 | 4.00 | 3.49 | 3.40 | 3.38 | 3.49 | - |
| PDH-112-600-1 | 3 | 420 | (1) 600-2 | (12) 4-14 | (1) 600-3/0 | (12) 4-8 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 1.96 | 4.00 | 3.49 | - | 3.38 | 3.49 | - |
| PDH-112-600-2 | 3 | 420 | (1) 600-2 | (12) 4-14 | (1) 600-3/0 | (12) 4-8 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 3.66 | 4.00 | 3.49 | 1.70 | 3.38 | 3.49 | - |
| PDH-112-600-3 | 3 | 420 | (1) 600-2 | (12) 4-14 | (1) 600-3/0 | (12) 4-8 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 5.36 | 4.00 | 3.49 | 3.40 | 3.38 | 3.49 | - |
| PDH-19A-600-1 | 3 | 420 | (1) 600-2 | (6) 2-14 (3) 1/0-14 | (1) 600-3/0 | (9) 1/0-8 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 1.96 | 4.00 | 3.49 | - | 3.38 | 3.49 | - |
| PDH-19A-600-2 | 3 | 420 | (1) 600-2 | (6) 2-14 (3) 1/0-14 | (1) 600-3/0 | (9) 1/0-8 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 3.66 | 4.00 | 3.49 | 1.70 | 3.38 | 3.49 | - |
| PDH-19A-600-3 | 3 | 420 | (1) 600-2 | (6) 2-14 (3) 1/0-14 | (1) 600-3/0 | (9) 1/0-8 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 5.36 | 4.00 | 3.49 | 3.40 | 3.38 | 3.49 | - |
| PDH-22-250-1 | 3 | 510 | (2) 250-1/0 | (2) 250-1/0 | (2) 250-1/0 | (2) 250-1/0 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 1.96 | 4.00 | 3.49 | - | 3.38 | 3.49 | - |
| PDH-22-250-2 | 3 | 510 | (2) 250-1/0 | (2) 250-1/0 | (2) 250-1/0 | (2) 250-1/0 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 3.66 | 4.00 | 3.49 | 1.70 | 3.38 | 3.49 | - |
| PDH-22-250-3 | 3 | 510 | (2) 250-1/0 | (2) 250-1/0 | (2) 250-1/0 | (2) 250-1/0 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 5.36 | 4.00 | 3.49 | 3.40 | 3.38 | 3.49 | - |
| PDH-28-250-1 | 3 | 510 | (2) 250-1/0 | (8) 2-14 | (2) 250-1/0 | (8) 2-14 | 600 | 600 | 600 | 200 | 60 | 30 | 100,000 | 600 | 1.96 | 4.00 | 3.49 | - | 3.38 | 3.49 | - |
| PDH-28-250-2 | 3 | 510 | (2) 250-1/0 | (8) 2-14 | (2) 250-1/0 | (8) 2-14 | 600 | 600 | 600 | 200 | 60 | 30 | 100,000 | 600 | 3.66 | 4.00 | 3.49 | 1.70 | 3.38 | 3.49 | - |
| PDH-28-250-3 | 3 | 510 | (2) 250-1/0 | (8) 2-14 | (2) 250-1/0 | (8) 2-14 | 600 | 600 | 600 | 200 | 60 | 30 | 100,000 | 600 | 5.36 | 4.00 | 3.49 | 3.40 | 3.38 | 3.49 | - |
| PDH-212-250-1 | 3 | 510 | (2) 250-1/0 | (12) 4-14 | (2) 250-1/0 | (12) 4-14 | 600 | 600 | 600 | 200 | 60 | 30 | 100,000 | 600 | 1.96 | 4.00 | 3.49 | - | 3.38 | 3.49 | - |
| PDH-212-250-2 | 3 | 510 | (2) 250-1/0 | (12) 4-14 | (2) 250-1/0 | (12) 4-14 | 600 | 600 | 600 | 200 | 60 | 30 | 100,000 | 600 | 3.66 | 4.00 | 3.49 | 1.70 | 3.38 | 3.49 | - |
| PDH-212-250-3 | 3 | 510 | (2) 250-1/0 | (12) 4-14 | (2) 250-1/0 | (12) 4-14 | 600 | 600 | 600 | 200 | 60 | 30 | 100,000 | 600 | 5.36 | 4.00 | 3.49 | 3.40 | 3.38 | 3.49 | - |
| PDH-22-350-1* | 4 | 620 | (2) 350-4 | (2) 350-4 | (2) 350-4 | (2) 350-4 | 450 | 450 | 400 | 200 | 60 | 30 | 100,000 | 600 | 3.17 | 5.50 | 3.12 | - | 4.75 | 3.18 | C-6-1 |
| PDH-22-350-2* | 4 | 620 | (2) 350-4 | (2) 350-4 | (2) 350-4 | (2) 350-4 | 450 | 450 | 400 | 200 | 60 | 30 | 100,000 | 600 | 5.85 | 5.50 | 3.12 | 2.69 | 4.75 | 3.18 | C-6-2 |
| PDH-22-350-3* | 4 | 620 | (2) 350-4 | (2) 350-4 | (2) 350-4 | (2) 350-4 | 450 | 450 | 400 | 200 | 60 | 30 | 100,000 | 600 | 8.54 | 5.50 | 3.12 | 5.38 | 4.75 | 3.18 | C-6-3 |
| PDH-22-500-1* | 4 | 760 | (2) 500-4 | (2) 500-4 | (2) 500-4 | (2) 500-4 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 3.17 | 5.50 | 3.12 | - | 4.75 | 3.18 | C-6-1 |
| PDH-22-500-2* | 4 | 760 | (2) 500-4 | (2) 500-4 | (2) 500-4 | (2) 500-4 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 5.85 | 5.50 | 3.12 | 2.69 | 4.75 | 3.18 | C-6-2 |
| PDH-22-500-3* | 4 | 760 | (2) 500-4 | (2) 500-4 | (2) 500-4 | (2) 500-4 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 8.54 | 5.50 | 3.12 | 5.38 | 4.75 | 3.18 | C-6-3 |
| PDH-28-500-1* | 4 | 760 | (2) 500-6 | (8) 2/0-14 | (2) 500-250 | (8) 2/0-14 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 3.17 | 5.50 | 3.12 | - | 4.75 | 3.18 | C-6-1 |
| PDH-28-500-2* | 4 | 760 | (2) 500-6 | (8) 2/0-14 | (2) 500-250 | (8) 2/0-14 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 5.85 | 5.50 | 3.12 | 2.69 | 4.75 | 3.18 | C-6-2 |
| PDH-28-500-3* | 4 | 760 | (2) 500-6 | (8) 2/0-14 | (2) 500-250 | (8) 2/0-14 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 8.54 | 5.50 | 3.12 | 5.38 | 4.75 | 3.18 | C-6-3 |
| PDH-212-500-1* | 4 | 760 | (2) 500-6 | (12) 4-14 | (2) 500-250 | (12) 4-8 | 400 | 400 | 400 | 200 | 60 | 30 | 100,000 | 600 | 3.17 | 5.50 | 3.12 | - | 4.75 | 3.18 | C-6-1 |
| PDH-212-500-2* | 4 | 760 | (2) 500-6 | (12) 4-14 | (2) 500-250 | (12) 4-8 | 400 | 400 | 400 | 200 | 60 | 30 | 100,000 | 600 | 5.85 | 5.50 | 3.12 | 2.69 | 4.75 | 3.18 | C-6-2 |
| PDH-212-500-3* | 4 | 760 | (2) 500-6 | (12) 4-14 | (2) 500-250 | (12) 4-8 | 400 | 400 | 400 | 200 | 60 | 30 | 100,000 | 600 | 8.54 | 5.50 | 3.12 | 5.38 | 4.75 | 3.18 | C-6-3 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* Cover not standard, available as an option.

† For further details on conductors, fuse ratings, and additional SCCR ratings please refer to product data sheets.

Power Distribution Block

High Short-Circuit Current Rating

TYPE PDE

Features

- Manufactured from high strength aluminum
- UL Listed 75° C and CSA Certified, 600 volts
- Electro-tin plated
- High Short Circuit Rating 100K RMS SYM Amps
- Enclosed block provides IP-20 touch protection
- For use with building code or flexible conductor

Benefits

- Suitable for use with either copper or aluminum conductors
- Ensures reliability
- Provides low contact resistance
- Added protection



| Catalog Number | Amps (CU Wire) | Rated Conductor Range | | High SCCR Conditions | | | | | | | | SCCR RMS SYM Amps | Volts Max | Dimensions (in.) | | | | |
|----------------|----------------|-------------------------|------------|------------------------------|-------------|---|------|-----|-----|-----|-----|-------------------|-----------|------------------|------|------|------|------|
| | | | | Suitable Conductors Per Pole | | Overcurrent Protection Fuse Required Class/Max Amp Rating | | | | | | | | A | B | C | D | E |
| | | | | Line | Load | Line | Load | J | T | RK1 | RK5 | | | | | | | |
| PDE-11-3/0* | 200 | (1) 3/0-14 | (1) 3/0-14 | (1) 3/0-8 | (1) 3/0-8 | 225 | 225 | 200 | 60 | 60 | 30 | 100,000 | 600 | 1.20 | 3.61 | 2.71 | .56 | 3.00 |
| PDE-11-3/0-CU* | 200 | (1) 3/0-14 | (1) 3/0-14 | (1) 3/0-8 | (1) 3/0-8 | 225 | 225 | 200 | 60 | 60 | 30 | 100,000 | 600 | 1.20 | 3.61 | 2.71 | .56 | 3.00 |
| PDE-14-3/0* | 200 | (1) 3/0-14 | (4) 2-14 | (1) 3/0-8 | (4) 2-14 | 225 | 225 | 200 | 60 | 60 | 30 | 100,000 | 600 | 1.20 | 3.61 | 2.71 | .56 | 3.00 |
| PDE-14-3/0-CU* | 200 | (1) 3/0-14 | (4) 2-14 | (1) 3/0-8 | (4) 2-14 | 225 | 225 | 200 | 60 | 60 | 30 | 100,000 | 600 | 1.20 | 3.61 | 2.71 | .56 | 3.00 |
| PDE-18-400‡ | 335 | (1) 400-6 (1) 2/0-14 | (8) 2-16 | (1) 400-3/0 | (8) 2-8 | 400 | 400 | 400 | 200 | 60 | 30 | 100,000 | 600 | 2.27 | 4.39 | 3.14 | 1.11 | 3.75 |
| PDE-18-400-CU‡ | 335 | (1) 400-6 (1) 2/0-14 | (8) 2-16 | (1) 400-3/0 | (8) 2-8 | 400 | 400 | 400 | 200 | 60 | 30 | 100,000 | 600 | 2.27 | 4.39 | 3.14 | 1.11 | 3.75 |
| PDE-22-250‡ | 510 | (2) 250-6 | (2) 250-6 | (2) 250-1/0 | (2) 250-1/0 | 400 | 400 | 400 | 200 | 60 | 30 | 100,000 | 600 | 2.27 | 4.39 | 3.14 | 1.11 | 3.75 |
| PDE-22-250-CU‡ | 510 | (2) 250-6 | (2) 250-6 | (2) 250-1/0 | (2) 250-1/0 | 400 | 400 | 400 | 200 | 60 | 30 | 100,000 | 600 | 2.27 | 4.39 | 3.14 | 1.11 | 3.75 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

All PDE blocks are single pole and snap together for 2 and 3 pole configurations

† For further details on conductors, fuse ratings, and additional SCCR ratings please refer to product data sheets

‡ UL Recognized

* Din Rail mountable

-CU designates copper conductor only

F

Power Distribution Block

High Short-Circuit Current Rating

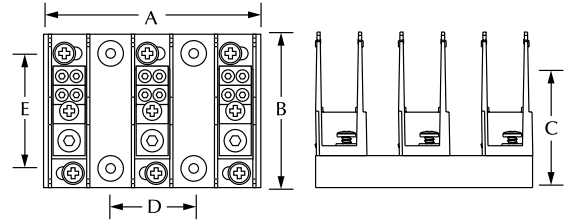
TYPE PDL

Features

- Manufactured from high strength aluminum
- UL Listed 75° C and CSA Certified, 600 volts
- Electro-tin plated
- High Short Circuit Rating 100K RMS SYM Amps

Benefits

- Suitable for use with either copper or aluminum conductors
- Ensures reliability
- Provides low contact resistance
- Added protection



| Catalog Number | Amps (CU Wire) | Rated Conductor Range | | High SCCR Conditions | | | | | | | | SCCR RMS SYM Amps | Volts Max | Dimensions (in.) | | | | |
|----------------|----------------|-----------------------|------------------------|------------------------------|-----------|---|------|-----|-----|-----|-----|-------------------|-----------|------------------|------|------|------|------|
| | | | | Suitable Conductors Per Pole | | Overcurrent Protection Fuse Required Class/Max Amp Rating | | | | | | | | A | B | C | D | E |
| | | | | Line | Load | Line | Load | J | T | RK1 | RK5 | | | | | | | |
| PDL-11-2/0-3 | 175 | (1) 2/0-14 | (1) 2/0-14 | (1) 2/0-6 | (1) 2/0-6 | 200 | 200 | 200 | 100 | 60 | 30 | 100,000 | 600 | 4.25 | 3.00 | 3.05 | 1.63 | 2.25 |
| PDL-14-2/0-3 | 175 | (1) 2/0-14 | (4) 4-14 | (1) 2/0-6 | (4) 4-14 | 200 | 200 | 200 | 100 | 60 | 30 | 100,000 | 600 | 4.25 | 3.00 | 3.05 | 1.63 | 2.25 |
| PDL-16-2/0-3 | 175 | (1) 2/0-14 | (6) 4-14 | (1) 2/0-6 | (6) 4-14 | 200 | 200 | 200 | 100 | 60 | 30 | 100,000 | 600 | 4.25 | 3.00 | 3.05 | 1.63 | 2.25 |
| PDL-16-400-3 | 335 | (1) 400-6 | (6) 2-14 | (1) 400-3/0 | (6) 2-8 | 400 | 400 | 400 | 100 | 60 | 30 | 100,000 | 600 | 6.00 | 5.50 | 3.96 | 3.25 | 4.75 |
| PDL-112-600-3 | 335 | (1) 600-2 | (12) 4-14 | (1) 600-3/0 | (12) 4-8 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 6.00 | 5.50 | 3.96 | 3.25 | 4.75 |
| PDL-19A-600-3 | 335 | (1) 600-2 | (3) 1/0-14 (6) 2-14 | (1) 600-3/0 | (9) 1/0-8 | 600 | 600 | 400 | 200 | 60 | 30 | 100,000 | 600 | 6.00 | 5.50 | 3.96 | 3.25 | 4.75 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

PDL Distribution Blocks are also UL listed with high SCCR ratings with certain Circuit Breaker Combinations - consult factory.

† For further details on conductors, fuse ratings, and additional SCCR ratings please refer to product data sheets.



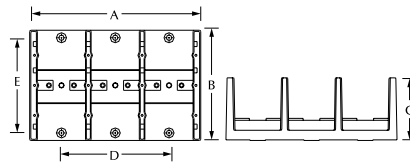
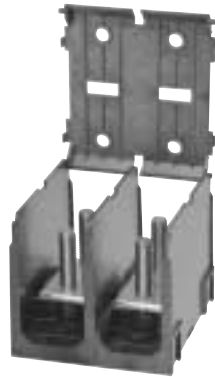
TYPE PDS

Features

- Connector, copper, tin plated
- Stud, brass, tin plated
- Phenolic base and cover material
- UL Recognized 75° C and CSA Certified
- Insulator base adders available
- Din rail or panel mountable
- Rated for 600 volts

Benefits

- Rated for copper conductor
- Intended for wires terminated with crimp lugs
- Ensures reliability
- Easily snap together to create variable pole power blocks



F

| Catalog Number | Amps | Rated Conductor Range | | Stud Ctr to Ctr | Line In | Line Out | Dimensions | | | | | | Cover ID |
|----------------|------|-----------------------|---------------------|-----------------|---------|----------|------------|------|------|------|------|-----------|----------|
| | | Line | Load | | | | A | B | C | D | E | F w/cover | |
| PDS-11-KE-1† | 230 | (1) 3/8-16 X 1-3/16 | (1) 1/4-20 x 1-3/16 | - | Stud | Stud | 1.94 | 4.00 | 2.61 | - | 3.38 | 3.38 | C-4-1 |
| PDS-11-KE-2† | 230 | (1) 3/8-16 X 1-3/16 | (1) 1/4-20 x 1-3/16 | - | Stud | Stud | 3.47 | 4.00 | 2.61 | 1.53 | 3.38 | 3.38 | C-4-2 |
| PDS-11-KE-3† | 230 | (1) 3/8-16 X 1-3/16 | (1) 1/4-20 x 1-3/16 | - | Stud | Stud | 5.00 | 4.00 | 2.61 | 3.06 | 3.38 | 3.38 | C-4-3 |
| PDS-11-PP-1 | 230 | (1) 3/8-16 x 1-7/16 | (1) 3/8-16 x 1-7/16 | - | Stud | Stud | 2.29 | 4.75 | 2.90 | - | 4.13 | 4.13 | C-5-1 |
| PDS-11-PP-2 | 230 | (1) 3/8-16 x 1-7/16 | (1) 3/8-16 x 1-7/16 | - | Stud | Stud | 4.17 | 4.75 | 2.90 | 1.88 | 4.13 | 4.13 | C-5-2 |
| PDS-11-PP-3 | 230 | (1) 3/8-16 x 1-7/16 | (1) 3/8-16 x 1-7/16 | - | Stud | Stud | 6.05 | 4.75 | 2.90 | 3.76 | 4.13 | 4.13 | C-5-3 |
| PDS-12-PC-1 | 260 | (1) 3/8-16 x 1-7/16 | (2) 1/4-20 x 9/16 | .750 | Stud | Stud | 2.29 | 4.75 | 2.90 | - | 4.13 | 4.13 | C-5-1 |
| PDS-12-PC-2 | 260 | (1) 3/8-16 x 1-7/16 | (2) 1/4-20 x 9/16 | .750 | Stud | Stud | 4.17 | 4.75 | 2.90 | 1.88 | 4.13 | 4.13 | C-5-2 |
| PDS-12-PC-3 | 260 | (1) 3/8-16 x 1-7/16 | (2) 1/4-20 x 9/16 | .750 | Stud | Stud | 6.05 | 4.75 | 2.90 | 3.76 | 4.13 | 4.13 | C-5-3 |
| PDS-12-PG-1 | 360 | (1) 3/8-16 x 1-7/16 | (2) 1/4-20 X 1-7/16 | 1.125 | Stud | Stud | 3.17 | 5.50 | 3.12 | - | 4.75 | 4.75 | C-6-1 |
| PDS-12-PG-2 | 360 | (1) 3/8-16 x 1-7/16 | (2) 1/4-20 X 1-7/16 | 1.125 | Stud | Stud | 5.85 | 5.50 | 3.12 | 2.69 | 4.75 | 4.75 | C-6-2 |
| PDS-12-PG-3 | 360 | (1) 3/8-16 x 1-7/16 | (2) 1/4-20 X 1-7/16 | 1.125 | Stud | Stud | 8.54 | 5.50 | 3.12 | 5.38 | 4.75 | 4.75 | C-6-3 |
| PDS-12-PP-1 | 360 | (1) 3/8-16 x 1-7/16 | (2) 3/8-16 x 1-7/16 | 1.125 | Stud | Stud | 3.17 | 5.50 | 3.12 | - | 4.75 | 4.75 | C-6-1 |
| PDS-12-PP-2 | 360 | (1) 3/8-16 x 1-7/16 | (2) 3/8-16 x 1-7/16 | 1.125 | Stud | Stud | 5.85 | 5.50 | 3.12 | 2.69 | 4.75 | 4.75 | C-6-2 |
| PDS-12-PP-3 | 360 | (1) 3/8-16 x 1-7/16 | (2) 3/8-16 x 1-7/16 | 1.125 | Stud | Stud | 8.54 | 5.50 | 3.12 | 5.38 | 4.75 | 4.75 | C-6-3 |
| PDS-11-RR-1 | 410 | (1) 1/2-13 x 1-7/16 | (1) 1/2-13 x 1-7/16 | - | Stud | Stud | 3.17 | 5.50 | 3.12 | - | 4.75 | 4.75 | C-6-1 |
| PDS-11-RR-2 | 410 | (1) 1/2-13 x 1-7/16 | (1) 1/2-13 x 1-7/16 | - | Stud | Stud | 5.85 | 5.50 | 3.12 | 2.69 | 4.75 | 4.75 | C-6-2 |
| PDS-11-RR-3 | 410 | (1) 1/2-13 x 1-7/16 | (1) 1/2-13 x 1-7/16 | - | Stud | Stud | 8.54 | 5.50 | 3.12 | 5.38 | 4.75 | 4.75 | C-6-3 |
| PDS-11-HH-1 | 840 | (1) 3/8-16 x 1 | (1) 3/8-16 x 1 | - | Stud | Stud | 2.29 | 4.75 | 2.90 | - | 4.13 | 4.13 | C-5-1 |
| PDS-11-HH-2 | 840 | (1) 3/8-16 x 1 | (1) 3/8-16 x 1 | - | Stud | Stud | 4.17 | 4.75 | 2.90 | 1.88 | 4.13 | 4.13 | C-5-2 |
| PDS-11-HH-3 | 840 | (1) 3/8-16 x 1 | (1) 3/8-16 x 1 | - | Stud | Stud | 6.05 | 4.75 | 2.90 | 3.76 | 4.13 | 4.13 | C-5-3 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG) For further details on conductor classes please refer to product data sheets

UL1059 terminal block standard file No. E84782 CSA certified CSA c22.2 No. 158, File number MC 249467 (wire classes B & C only)

† Connector aluminum, tin plated

TYPE PDS

Features

- Connector, copper, tin plated
- Stud, brass, tin plated
- Phenolic base and cover material
- UL Recognized 75° C and CSA Certified
- Insulator base adders available
- Din rail or panel mountable
- Rated for 600 volts

Benefits

- Rated for copper conductor
- Intended for wires terminated with crimp lugs
- Ensures reliability
- Easily snap together to create variable pole power blocks

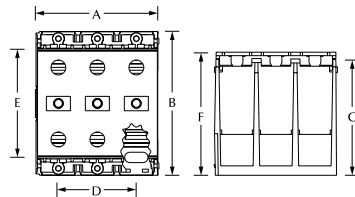
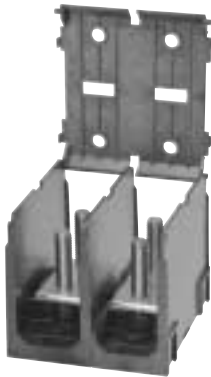


Fig. 1

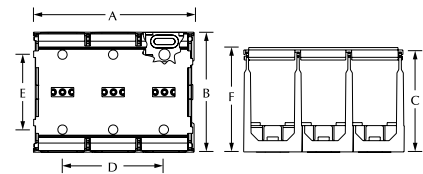


Fig. 2

| Catalog Number | Fig. No. | Amps | Rated Conductor Range | | Stud Ctr to Ctr | Line In | Line Out | Dimensions | | | | | | Cover ID |
|----------------|----------|------|-----------------------|---------------------|-----------------|---------|----------|------------|------|------|------|------|-----------|----------|
| | | | Line | Load | | | | A | B | C | D | E | F w/cover | |
| PDS-11-UU-A+ | 1 | 200 | (1) M6 x 15 | (1) M6 x 15 | - | Metric | Metric | 1.00 | 3.00 | 2.42 | - | 2.25 | - | NA |
| PDS-11-UU-1 | 1 | 200 | (1) M6 x 15 | (1) M6 x 15 | - | Metric | Metric | 1.00 | 3.00 | 2.42 | - | 2.25 | 2.57 | - |
| PDS-11-UU-2 | 1 | 200 | (1) M6 x 15 | (1) M6 x 15 | - | Metric | Metric | 1.82 | 3.00 | 2.42 | 0.81 | 2.25 | 2.57 | - |
| PDS-11-UU-3 | 1 | 200 | (1) M6 x 15 | (1) M6 x 15 | - | Metric | Metric | 2.55 | 3.00 | 2.42 | 1.62 | 2.25 | 2.57 | - |
| PDS-11-CC-A | 1 | 200 | (1) 1/4-20 x 9/16 | (1) 1/4-20 x 9/16 | - | Stud | Stud | 1.00 | 3.00 | 2.42 | - | 2.25 | - | NA |
| PDS-11-CC-1 | 1 | 200 | (1) 1/4-20 x 9/16 | (1) 1/4-20 x 9/16 | - | Stud | Stud | 1.00 | 3.00 | 2.42 | - | 2.25 | 2.57 | - |
| PDS-11-CC-2 | 1 | 200 | (1) 1/4-20 x 9/16 | (1) 1/4-20 x 9/16 | - | Stud | Stud | 1.82 | 3.00 | 2.42 | 0.81 | 2.25 | 2.57 | - |
| PDS-11-CC-3 | 1 | 200 | (1) 1/4-20 x 9/16 | (1) 1/4-20 x 9/16 | - | Stud | Stud | 2.55 | 3.00 | 2.42 | 1.62 | 2.25 | 2.57 | - |
| PDS-11-SS-1* | 2 | 310 | (1) M10 x 30 | (1) M10 x 30 | - | Metric | Metric | 1.96 | 4.00 | 3.33 | - | 3.38 | 3.49 | - |
| PDS-11-SS-2* | 2 | 310 | (1) M10 x 30 | (1) M10 x 30 | - | Metric | Metric | 3.66 | 4.00 | 3.33 | 1.70 | 3.38 | 3.49 | - |
| PDS-11-SS-3* | 2 | 310 | (1) M10 x 30 | (1) M10 x 30 | - | Metric | Metric | 5.36 | 4.00 | 3.33 | 3.40 | 3.38 | 3.49 | - |
| PDS-11-KK-1* | 2 | 310 | (1) 3/8-16 x 1-3/16 | (1) 3/8-16 x 1-3/16 | - | Stud | Stud | 1.96 | 4.00 | 3.33 | - | 3.38 | 3.49 | - |
| PDS-11-KK-2* | 2 | 310 | (1) 3/8-16 x 1-3/16 | (1) 3/8-16 x 1-3/16 | - | Stud | Stud | 3.66 | 4.00 | 3.33 | 1.70 | 3.38 | 3.49 | - |
| PDS-11-KK-3* | 2 | 310 | (1) 3/8-16 x 1-3/16 | (1) 3/8-16 x 1-3/16 | - | Stud | Stud | 5.36 | 4.00 | 3.33 | 3.40 | 3.38 | 3.49 | - |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

For further details on conductor classes please refer to product data sheets

UL1059 terminal block standard file No. E84782 CSA certified CSA c22.2 No. 158, File number MC 249467 (wire classes B & C only)

+ Cover not available for adder blocks

- Indicates that snap on cover is standard

* Panel mountable



TYPE PDM

Features

- Connector, high conductive aluminium, tin plated
- Brass, tin plated stud
- UL Recognized 75° C and CSA Certified
- Insulator base adders available
- Panel Mountable
- Rated for 600 volts

Benefits

- Rated for copper and aluminum conductor
- Intended for wires terminated with crimp lugs
- Ensures Reliability
- Easily snap together to create variable pole power blocks

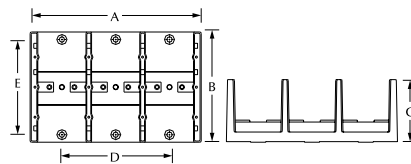
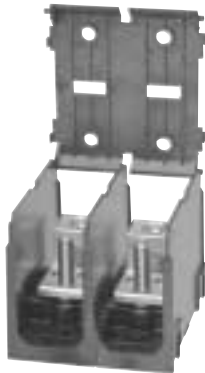


Fig. 1

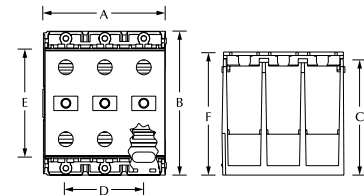


Fig. 2

F

| Catalog Number | Fig. No. | Amps | Rated Conductor Range | | Stud Ctr to Ctr | Line In | Line Out | MAX AIC | Dimensions | | | | | | Cover ID |
|----------------|----------|------|-----------------------|---------------------|-----------------|---------|----------|---------|------------|------|------|------|------|-----------|----------|
| | | | Line | Load | | | | | A | B | C | D | E | F w/cover | |
| PDM-11-2/0F-1 | 1 | 175 | (1) 2/0-#14 Awg | (1) 1/4-20 x 1-3/8 | - | Lug | Stud | - | 1.94 | 4.00 | 2.61 | - | 3.38 | 3.38 | C-4-1 |
| PDM-11-2/0F-2 | 1 | 175 | (1) 2/0-#14 Awg | (1) 1/4-20 x 1-3/8 | - | Lug | Stud | - | 3.47 | 4.00 | 2.61 | 1.53 | 3.38 | 3.38 | C-4-2 |
| PDM-11-2/0F-3 | 1 | 175 | (1) 2/0-#14 Awg | (1) 1/4-20 x 1-3/8 | - | Lug | Stud | - | 5.00 | 4.00 | 2.61 | 3.06 | 3.38 | 3.38 | C-4-3 |
| PDM-11-350J-1 | 1 | 310 | (1) 350 kcmil-#6 Awg | (1) 3/8-16 x 1-1/8 | - | Lug | Stud | 65KA | 1.94 | 4.00 | 2.61 | - | 3.38 | 3.38 | C-4-1 |
| PDM-11-350J-2 | 1 | 310 | (1) 350 kcmil-#6 Awg | (1) 3/8-16 x 1-1/8 | - | Lug | Stud | 65KA | 3.47 | 4.00 | 2.61 | 1.53 | 3.38 | 3.38 | C-4-2 |
| PDM-11-350J-3 | 1 | 310 | (1) 350 kcmil-#6 Awg | (1) 3/8-16 x 1-1/8 | - | Lug | Stud | 65KA | 5.00 | 4.00 | 2.61 | 3.06 | 3.38 | 3.38 | C-4-3 |
| PDM-12-500D-1 | 1 | 380 | (1) 500 kcmil-#4 Awg | (2) 1/4-20 x 1-1/16 | .750 | Lug | Stud | - | 2.29 | 4.75 | 2.90 | - | 4.13 | 4.13 | C-5-1 |
| PDM-12-500D-2 | 1 | 380 | (1) 500 kcmil-#4 Awg | (2) 1/4-20 x 1-1/16 | .750 | Lug | Stud | - | 4.17 | 4.75 | 2.90 | 1.88 | 4.13 | 4.13 | C-5-2 |
| PDM-12-500D-3 | 1 | 380 | (1) 500 kcmil-#4 Awg | (2) 1/4-20 x 1-1/16 | .750 | Lug | Stud | - | 6.05 | 4.75 | 2.90 | 3.76 | 4.13 | 4.13 | C-5-3 |
| PDM-11-500N-1 | 1 | 380 | (1) 500 kcmil-#4 Awg | (1) 3/8-16 x 1-5/16 | - | Lug | Stud | - | 2.29 | 4.75 | 2.90 | - | 4.13 | 4.13 | C-5-1 |
| PDM-11-500N-2 | 1 | 380 | (1) 500 kcmil-#4 Awg | (1) 3/8-16 x 1-5/16 | - | Lug | Stud | - | 4.17 | 4.75 | 2.90 | 1.88 | 4.13 | 4.13 | C-5-2 |
| PDM-11-500N-3 | 1 | 380 | (1) 500 kcmil-#4 Awg | (1) 3/8-16 x 1-5/16 | - | Lug | Stud | - | 6.05 | 4.75 | 2.90 | 3.76 | 4.13 | 4.13 | C-5-3 |
| PDM-21-500Q-1 | 1 | 760 | (2) 500 kcmil-#4 Awg | (1) 1/2-13 x 1-5/16 | - | Lug | Stud | - | 3.17 | 5.50 | 3.12 | - | 4.75 | 4.75 | C-6-1 |
| PDM-21-500Q-2 | 1 | 760 | (2) 500 kcmil-#4 Awg | (1) 1/2-13 x 1-5/16 | - | Lug | Stud | - | 5.85 | 5.50 | 3.12 | 2.69 | 4.75 | 4.75 | C-6-2 |
| PDM-21-500Q-3 | 1 | 760 | (2) 500 kcmil-#4 Awg | (1) 1/2-13 x 1-5/16 | - | Lug | Stud | - | 8.54 | 5.50 | 3.12 | 5.38 | 4.75 | 4.75 | C-6-3 |
| PDM-22-500N-1 | 1 | 760 | (2) 500 kcmil-#4 Awg | (2) 3/8-16 x 1-5/16 | 1.160 | Lug | Stud | - | 3.17 | 5.50 | 3.12 | - | 4.75 | 4.75 | C-6-1 |
| PDM-22-500N-2 | 1 | 760 | (2) 500 kcmil-#4 Awg | (2) 3/8-16 x 1-5/16 | 1.160 | Lug | Stud | - | 5.85 | 5.50 | 3.12 | 2.69 | 4.75 | 4.75 | C-6-2 |
| PDM-22-500N-3 | 1 | 760 | (2) 500 kcmil-#4 Awg | (2) 3/8-16 x 1-5/16 | 1.160 | Lug | Stud | - | 8.54 | 5.50 | 3.12 | 5.38 | 4.75 | 4.75 | C-6-3 |
| PDMN-11-2A-1 | 2 | 115 | (1) #2-#14 Awg | (1) 10-32 x .60 | - | Lug | Stud | - | 0.83 | 2.29 | 1.53 | - | 2.07 | 2.07 | CVR-2-1 |
| PDMN-11-2A-2 | 2 | 115 | (1) #2-#14 Awg | (1) 10-32 x .60 | - | Lug | Stud | - | 1.46 | 2.29 | 1.53 | - | 2.07 | 2.07 | CVR-2-1 |
| PDMN-11-2A-3 | 2 | 115 | (1) #2-#14 Awg | (1) 10-32 x .60 | - | Lug | Stud | - | 2.10 | 2.29 | 1.53 | 1.27 | 2.07 | 2.07 | CVR-2-1 |
| PDMN-11-2A-4 | 2 | 115 | (1) #2-#14 Awg | (1) 10-32 x .60 | - | Lug | Stud | - | 2.75 | 2.29 | 1.53 | 1.93 | 2.07 | 2.07 | CVR-2-1 |
| PDM-11-2/0T-A* | 2 | 175 | (1) 2/0-#14 Awg | (1) M6 x 13 | - | Lug | Metric | - | 1.00 | 3.00 | 2.42 | - | 2.25 | - | NA |
| PDM-11-2/0T-1‡ | 2 | 175 | (1) 2/0-#14 Awg | (1) M6 x 13 | - | Lug | Metric | - | 1.00 | 3.00 | 2.42 | - | 2.25 | 2.57 | - |
| PDM-11-2/0T-2‡ | 2 | 175 | (1) 2/0-#14 Awg | (1) M6 x 13 | - | Lug | Metric | - | 1.82 | 3.00 | 2.42 | 0.81 | 2.25 | 2.57 | - |
| PDM-11-2/0T-3‡ | 2 | 175 | (1) 2/0-#14 Awg | (1) M6 x 13 | - | Lug | Metric | - | 2.55 | 3.00 | 2.42 | 1.63 | 2.25 | 2.57 | - |
| PDM-11-2/0B-A* | 2 | 175 | (1) 2/0-#14 Awg | (1) 1/4-20 x 1/2 | - | Lug | Stud | 100KA | 1.00 | 3.00 | 2.42 | - | 2.25 | - | NA |
| PDM-11-2/0B-1 | 2 | 175 | (1) 2/0-#14 Awg | (1) 1/4-20 x 1/2 | - | Lug | Stud | 100KA | 1.00 | 3.00 | 2.42 | - | 2.25 | 2.57 | - |
| PDM-11-2/0B-2 | 2 | 175 | (1) 2/0-#14 Awg | (1) 1/4-20 x 1/2 | - | Lug | Stud | 100KA | 1.82 | 3.00 | 2.42 | 0.81 | 2.25 | 2.57 | - |
| PDM-11-2/0B-3 | 2 | 175 | (1) 2/0-#14 Awg | (1) 1/4-20 x 1/2 | - | Lug | Stud | 100KA | 2.55 | 3.00 | 2.42 | 1.63 | 2.25 | 2.57 | - |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG) For further details on conductor classes please refer to product data sheets
UL1059 terminal block standard file No. E84782 CSA certified CSA c22.2 No. 158, File number MC 249467 (wire classes B & C only)

* Cover not available for adder blocks

- Indicates that snap on cover is standard ‡ Steel Stud

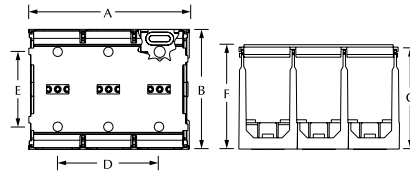
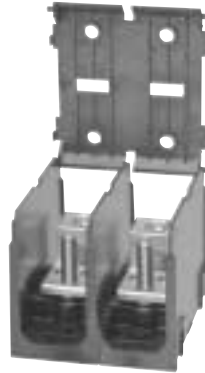
TYPE PDM

Features

- Connector, high conductive aluminium, tin plated
- Brass, tin plated stud
- UL Recognized 75° C and CSA Certified
- Insulator base adders available
- Panel Mountable
- Rated for 600 volts

Benefits

- Rated for copper and aluminum conductor
- Intended for wires terminated with crimp lugs
- Ensures Reliability
- Easily snap together to create variable pole power blocks



| Catalog Number | Amps | Rated Conductor Range | | Stud Ctr to Ctr | Line In | Line Out | MAX AIC | Dimensions | | | | | | Cover ID |
|----------------|------|-----------------------|--------------------|-----------------|---------|----------|---------|------------|------|------|------|------|-----------|----------|
| | | Line | Load | | | | | A | B | C | D | E | F w/cover | |
| PDM-11-350S-1 | 310 | (1) 350 kcmil-#6 Awg | (1) M10 x 30 | - | Lug | Metric | - | 1.96 | 4.00 | 3.33 | - | 3.38 | 3.49 | - |
| PDM-11-350S-2 | 310 | (1) 350 kcmil-#6 Awg | (1) M10 x 30 | - | Lug | Metric | - | 3.66 | 4.00 | 3.33 | 1.70 | 3.38 | 3.49 | - |
| PDM-11-350S-3 | 310 | (1) 350 kcmil-#6 Awg | (1) M10 x 30 | - | Lug | Metric | - | 5.36 | 4.00 | 3.33 | 3.40 | 3.38 | 3.49 | - |
| PDM-11-350M-1 | 310 | (1) 350 kcmil-#6 Awg | (1) 3/8-16 x 1-1/4 | - | Lug | Stud | 65KA | 1.96 | 4.00 | 3.33 | - | 3.38 | 3.49 | - |
| PDM-11-350M-2 | 310 | (1) 350 kcmil-#6 Awg | (1) 3/8-16 x 1-1/4 | - | Lug | Stud | 65KA | 3.66 | 4.00 | 3.33 | 1.70 | 3.38 | 3.49 | - |
| PDM-11-350M-3 | 310 | (1) 350 kcmil-#6 Awg | (1) 3/8-16 x 1-1/4 | - | Lug | Stud | 65KA | 5.36 | 4.00 | 3.33 | 3.40 | 3.38 | 3.49 | - |
| PDM-18-S2-1 | 510 | (1) M10 x 30 | (8) #2-#14 Awg | - | Metric | Lug | - | 1.96 | 4.00 | 3.33 | - | 3.38 | 3.49 | - |
| PDM-18-S2-2 | 510 | (1) M10 x 30 | (8) #2-#14 Awg | - | Metric | Lug | - | 3.66 | 4.00 | 3.33 | 1.70 | 3.38 | 3.49 | - |
| PDM-18-S2-3 | 510 | (1) M10 x 30 | (8) #2-#14 Awg | - | Metric | Lug | - | 5.36 | 4.00 | 3.33 | 3.40 | 3.38 | 3.49 | - |
| PDM-112-S4-1 | 510 | (1) M10 x 30 | (12) #4-#14 Awg | - | Metric | Lug | - | 1.96 | 4.00 | 3.33 | - | 3.38 | 3.49 | - |
| PDM-112-S4-2 | 510 | (1) M10 x 30 | (12) #4-#14 Awg | - | Metric | Lug | - | 3.66 | 4.00 | 3.33 | 1.70 | 3.38 | 3.49 | - |
| PDM-112-S4-3 | 510 | (1) M10 x 30 | (12) #4-#14 Awg | - | Metric | Lug | - | 5.36 | 4.00 | 3.33 | 3.40 | 3.38 | 3.49 | - |
| PDM-14-S2/0-1 | 510 | (1) M10 x 30 | (4) 2/0-#14 Awg | - | Metric | Lug | - | 1.96 | 4.00 | 3.33 | - | 3.38 | 3.49 | - |
| PDM-14-S2/0-2 | 510 | (1) M10 x 30 | (4) 2/0-#14 Awg | - | Metric | Lug | - | 3.66 | 4.00 | 3.33 | 1.70 | 3.38 | 3.49 | - |
| PDM-14-S2/0-3 | 510 | (1) M10 x 30 | (4) 2/0-#14 Awg | - | Metric | Lug | - | 5.36 | 4.00 | 3.33 | 3.40 | 3.38 | 3.49 | - |
| PDM-18-K2-1 | 510 | (1) 3/8-16 x 1-3/16 | (8) #2-#14 Awg | - | Stud | Lug | - | 1.96 | 4.00 | 3.33 | - | 3.38 | 3.49 | - |
| PDM-18-K2-2 | 510 | (1) 3/8-16 x 1-3/16 | (8) #2-#14 Awg | - | Stud | Lug | - | 3.66 | 4.00 | 3.33 | 1.70 | 3.38 | 3.49 | - |
| PDM-18-K2-3 | 510 | (1) 3/8-16 x 1-3/16 | (8) #2-#14 Awg | - | Stud | Lug | - | 5.36 | 4.00 | 3.33 | 3.40 | 3.38 | 3.49 | - |
| PDM-112-K4-1 | 510 | (1) 3/8-16 x 1-3/16 | (12) #4-#14 Awg | - | Stud | Lug | - | 1.96 | 4.00 | 3.33 | - | 3.38 | 3.49 | - |
| PDM-112-K4-2 | 510 | (1) 3/8-16 x 1-3/16 | (12) #4-#14 Awg | - | Stud | Lug | - | 3.66 | 4.00 | 3.33 | 1.70 | 3.38 | 3.49 | - |
| PDM-112-K4-3 | 510 | (1) 3/8-16 x 1-3/16 | (12) #4-#14 Awg | - | Stud | Lug | - | 5.36 | 4.00 | 3.33 | 3.40 | 3.38 | 3.49 | - |
| PDM-14-K2/0-1 | 510 | (1) 3/8-16 x 1-3/16 | (4) 2/0-#14 Awg | - | Stud | Lug | - | 1.96 | 4.00 | 3.33 | - | 3.38 | 3.49 | - |
| PDM-14-K2/0-2 | 510 | (1) 3/8-16 x 1-3/16 | (4) 2/0-#14 Awg | - | Stud | Lug | - | 3.66 | 4.00 | 3.33 | 1.70 | 3.38 | 3.49 | - |
| PDM-14-K2/0-3 | 510 | (1) 3/8-16 x 1-3/16 | (4) 2/0-#14 Awg | - | Stud | Lug | - | 5.36 | 4.00 | 3.33 | 3.40 | 3.38 | 3.49 | - |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

For further details on conductor classes please refer to product data sheets

UL1059 terminal block standard file No. E84782 CSA certified CSA c22.2 No. 158, File number MC 249467 (wire classes B & C only)

- Indicates that snap on cover is standard

TYPE

LDAU

LDBU

Features

- Modular design
- Easy to assemble
- UL listed 90° C 600 Volts
- Electro-tin plated aluminum
- Multiple conductor capability

Benefits

- Simplifies stocking. Combines any number of blocks with multiple conductor ranges into the specific configuration required for the job.
- Unique locking feature allows individual blocks to be combined quickly without special tools
- Ensures reliability
- Suitable for use with both copper and aluminum conductors in any combination
- Individual blocks supplied in a variety of configurations with one or two main cable ports and four, six, or twelve taps. All are range taking.



Fig. 1



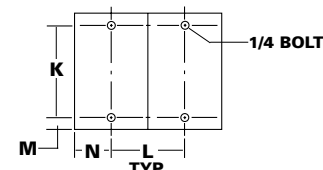
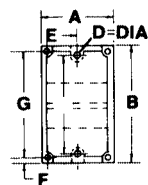
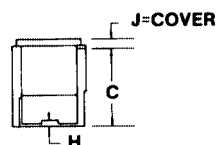
Fig. 2

| Catalog Number | Figure Number | Connector | | Primary | | | Secondary | | | Ampere |
|----------------|---------------|-----------|-----------|------------|-------------------|----------|------------|-------------------|----------|-----------------|
| | | Primary | Secondary | Wire Range | Openings Per Pole | Hex Size | Wire Range | Openings Per Pole | Hex Size | Rating Per Pole |
| LDBU-112-350 | 1 | | | 350kcmil-6 | 1 | 3/8 | 4-14 | 12 | Slot | 310 |
| LDAU-112-350 | 2 | | | 350kcmil-6 | 1 | 3/8 | 4-14 | 12 | Slot | 310 |
| LDBU-112A-350 | 1 | | | 350kcmil-6 | 1 | 3/8 | 4-14 | 12 | Slot | 310 |
| LDAU-112A-350 | 2 | | | 350kcmil-6 | 1 | 3/8 | 4-14 | 12 | Slot | 310 |
| LDBU-16-350 | 1 | | | 350kcmil-6 | 1 | 3/8 | 2/0-14 | 6 | 3/16 | 310 |
| LDAU-16-350 | 2 | | | 350kcmil-6 | 1 | 3/8 | 2/0-14 | 6 | 3/16 | 310 |
| LDBU-16-500 | 1 | | | 500kcmil-4 | 1 | 3/8 | 2/0-14 | 6 | 3/16 | 380 |
| LDAU-16-500 | 2 | | | 500kcmil-4 | 1 | 3/8 | 2/0-14 | 6 | 3/16 | 380 |
| LDBU-26-350 | 1 | | | 350kcmil-6 | 2 | 3/8 | 2/0-14 | 6 | 3/16 | 620 |
| LDAU-26-350 | 2 | | | 350kcmil-6 | 2 | 3/8 | 2/0-14 | 6 | 3/16 | 620 |
| LDBU-212-4/0 | 1 | | | 4/0-6 | 2 | 1/4 | 4-14 | 12 | Slot | 460 |
| LDAU-212-4/0 | 2 | | | 4/0-6 | 2 | 1/4 | 4-14 | 12 | Slot | 460 |
| LDBU-212-500 | 1 | | | 500kcmil-4 | 2 | 3/8 | 4-14 | 12 | Slot | 760 |
| LDAU-212-500 | 2 | | | 500kcmil-4 | 2 | 3/8 | 4-14 | 12 | Slot | 760 |
| LDBU-26-500 | 1 | | | 500kcmil-4 | 2 | 3/8 | 2/0-14 | 6 | 3/16 | 760 |
| LDAU-26-500 | 2 | | | 500kcmil-4 | 2 | 3/8 | 2/0-14 | 6 | 3/16 | 760 |
| LDBU-24-500 | 1 | | | 500kcmil-4 | 2 | 3/8 | 4/0-6 | 4 | 5/16 | 760 |
| LDAU-24-500 | 2 | | | 500kcmil-4 | 2 | 3/8 | 4/0-6 | 4 | 5/16 | 760 |
| LDBU-11-500 | 1 | | | 500kcmil-4 | 1 | 3/8 | 500kcmil-4 | 1 | 3/8 | 380 |
| LDAU-11-500 | 2 | | | 500kcmil-4 | 1 | 3/8 | 500kcmil-4 | 1 | 3/8 | 380 |
| LDBU-22-350 | 1 | | | 350kcmil-6 | 2 | 3/8 | 350kcmil-6 | 2 | 3/8 | 620 |
| LDAU-22-350 | 2 | | | 350kcmil-6 | 2 | 3/8 | 350kcmil-6 | 2 | 3/8 | 620 |
| LDBU-22-500 | 1 | | | 500kcmil-4 | 2 | 3/8 | 500kcmil-4 | 2 | 3/8 | 760 |
| LDAU-22-500 | 2 | | | 500kcmil-4 | 2 | 3/8 | 500kcmil-4 | 2 | 3/8 | 760 |

Side Panel can be ordered separately Cat. No. LDS-1

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Tested to UL 1953, UL File E112158



Dimensions

| A | B | C | D=Dia. | E | F | G | H | J = Cover | K | L | M | N |
|---|-------|--------|----------|-------|------|-------|-----|-----------|------|------|-----|------|
| 3 | 5-1/2 | 3-7/16 | .28 Slot | 1-1/2 | 5/16 | 4-7/8 | 1/4 | 1/2 | 4.75 | 2.69 | .38 | 1.50 |

TYPE PDBU

Features

- Lay-In primary cable ports
- Valox insulating base
- UL 1953 Listed for 600 volts
- Electro-tin plated
- Manufactured from high strength aluminum

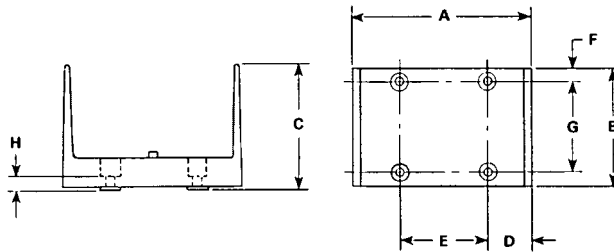
Benefits

- Designed for feed through of two primary conductors and up to six taps with no need to break the main feeder cable
- Provides a high degree of impact resistance with superior insulating qualities
- Ensures reliability
- Provides low contact resistance
- Suitable for use with either copper or aluminum conductors



| Catalog Number | Connector | | Primary | | Secondary | | Ampere Rating Per Pole | Number Of Poles | Hex Size | |
|----------------|---------------|-----------|------------|-------------------|------------|-------------------|------------------------|-----------------|----------|-----------|
| | Primary | Secondary | Wire Range | Openings Per Pole | Wire Range | Openings Per Pole | | | Primary | Secondary |
| | PDBU-26-750-1 | | | 750kcmil-250kcmil | 2 | 250kcmil-6 | | | 6 | 950 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 1953, UL File E112158



| Block Size | No. of Poles | Dimensions | | | | | | | |
|------------|--------------|------------|---|-------|---------|---|-----|-------|------|
| | | A | B | C | D | E | F | G | H |
| W | 1 | 6-7/32 | 4 | 4-3/8 | 1-19/32 | 3 | 3/8 | 3-1/4 | 7/16 |

* Valox® is a registered trade name of the General Electric Company.

F

TYPE PDBU

Features

- Manufactured from high strength aluminum
- Valox* insulating base
- UL 1953 Listed 90° C 600 volts
- Electro-tin plated

Benefits

- Reliable use for copper conductor only
- Provides a high degree of impact resistance with superior insulating qualities
- Ensures reliability
- Provides low contact resistance



| Catalog Number | Connector | | Primary | | Secondary | | Ampere Rating Per Pole | Number Of Poles | Block Size | Hex Size | |
|----------------|-----------|-----------|------------|-------------------|------------|-------------------|------------------------|-----------------|------------|----------|-----------|
| | Primary | Secondary | Wire Range | Openings Per Pole | Wire Range | Openings Per Pole | | | | Primary | Secondary |
| | | | | | | | | | | | |

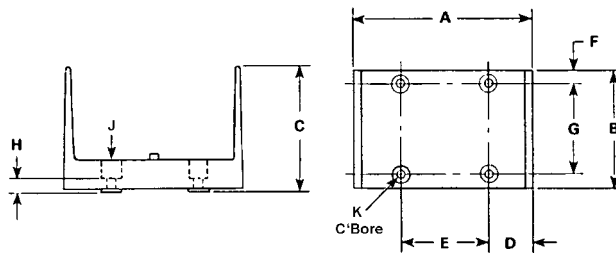
All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Valox® is a registered trade name of the General Electric Company.

A versatile tap hole, wire range 8-14 AWG included on the connector.

Tested to UL 1953, UL File E112158

F



| Block Size | No. of Poles | Dimensions | | | | | | | | | |
|------------|--------------|------------|---|-------|---------|---|-----|-------|------|------|------|
| | | A | B | C | D | E | F | G | H | J | K |
| W | 1 | 6-7/32 | 4 | 4-3/8 | 1-19/32 | 3 | 3/8 | 3-1/4 | 7/16 | 9/32 | 9/16 |

TYPE PDBU

Features

- Multiple taps
- Valox* insulating base
- UL 1953 Listed 90° C 600 Volts
- Electro-tin plated
- Manufactured from high strength aluminum
- Short Circuit Rating 10K RMS SYM Amps

Benefits

- Three different connector configurations provide a wide range of tapping capabilities for up to four primary conductors
- Provides a high degree of impact resistance with superior insulating qualities
- Ensures reliability
- Provides low contact resistance
- Suitable for use with either copper or aluminum conductors
- Added protection



Fig. 1











Fig. 2



Fig. 3



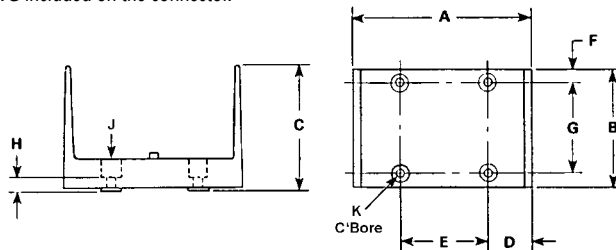
Fig. 4

| Catalog Number | Figure Number | Connector | | Primary | | Secondary | | Ampere Rating Per Pole | Number of Poles | Block Size | Hex Size | |
|-----------------|---------------|---|---|--------------|-------------------|---------------------|-------------------|------------------------|-----------------|------------|----------|-------------|
| | | Primary | Secondary | Wire Range | Openings Per Pole | Wire Range | Openings Per Pole | | | | Primary | Secondary |
| PDBU-428-500-1 | 1 |  |  | 500kcmil-4 | 4 | 4-14 | 28 | 1520 | 1 | W | 3/8 | Slot |
| PDBU-49-500-1 | 2 |  |  | 500kcmil-4 | 4 | 350kcmil-6 4/0-6 | 6 3 | 1520 | 1 | W | 3/8 | 3/8 5/16 |
| ° PDBU-55-500-1 | 4 |  |  | 500kcmil-3/0 | 5 | 500kcmil-3/0 | 5 | 1600 | 1 | W | 3/8 | 3/8 |
| PDBU-412-500-1 | 3 |  |  | 500kcmil-4 | 4 | 4/0-6 | 12 | 1520 | 1 | W | 3/8 | 5/16 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Valox® is a registered trade name of the General Electric Company.

° A versatile tap hole, wire range 8-14 AWG included on the connector.

Tested to UL 1953, UL File E112158



| Block Size | No. of Poles | Dimensions | | | | | | | | | |
|------------|--------------|------------|---|-------|---------|---|-----|-------|------|------|------|
| | | A | B | C | D | E | F | G | H | J | K |
| W | 1 | 6-7/32 | 4 | 4-3/8 | 1-19/32 | 3 | 3/8 | 3-1/4 | 7/16 | 9/32 | 9/16 |

TYPE LDA LDB

Features

- Modular design
- Easy to assemble
- UL Recognized 90° C 600 Volts and is CSA Certified
- Electro-tin plated aluminum
- Clear cover included
- Multiple conductor capability

Benefits

- Simplifies stocking. Combines any number of blocks with multiple conductor ranges into the specific configuration required for the job.
- Unique locking feature allows individual blocks to be combined quickly without special tools
- Ensures reliability
- Suitable for use with both copper and aluminum conductors in any combination
- Permits visual inspection
- Individual blocks supplied in a variety of configurations with one or two main cable ports and four, six, or twelve taps. All are range taking.



Fig. 1

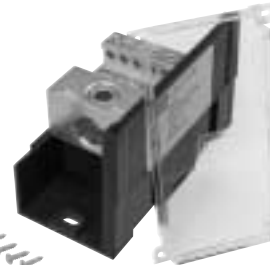


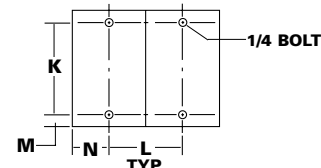
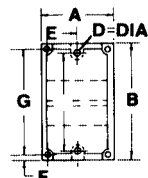
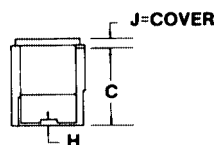
Fig. 2

F

| Catalog Number | Figure Number | Connector | | Primary | | | Secondary | | | Ampere |
|----------------|---------------|-----------|-----------|------------|-------------------|----------|------------|-------------------|----------|-----------------|
| | | Primary | Secondary | Wire Range | Openings Per Pole | Hex Size | Wire Range | Openings Per Pole | Hex Size | Rating Per Pole |
| LDB-112-350 | 1 | | | 350kcmil-6 | 1 | 3/8 | 4-14 | 12 | Slot | 310 |
| LDA-112-350 | 2 | | | 350kcmil-6 | 1 | 3/8 | 4-14 | 12 | Slot | 310 |
| LDB-112A-350 | 1 | | | 350kcmil-6 | 1 | 3/8 | 4-14 | 12 | Slot | 310 |
| LDA-112A-350 | 2 | | | 350kcmil-6 | 1 | 3/8 | 4-14 | 12 | Slot | 310 |
| LDB-16-350 | 1 | | | 350kcmil-6 | 1 | 3/8 | 2/0-14 | 6 | 3/16 | 310 |
| LDA-16-350 | 2 | | | 350kcmil-6 | 1 | 3/8 | 2/0-14 | 6 | 3/16 | 310 |
| LDB-16-500 | 1 | | | 500kcmil-4 | 1 | 3/8 | 2/0-14 | 6 | 3/16 | 380 |
| LDA-16-500 | 2 | | | 500kcmil-4 | 1 | 3/8 | 2/0-14 | 6 | 3/16 | 380 |
| LDB-26-350 | 1 | | | 350kcmil-6 | 2 | 3/8 | 2/0-14 | 6 | 3/16 | 620 |
| LDA-26-350 | 2 | | | 350kcmil-6 | 2 | 3/8 | 2/0-14 | 6 | 3/16 | 620 |
| LDB-212-4/0 | 1 | | | 4/0-6 | 2 | 1/4 | 4-14 | 12 | Slot | 460 |
| LDA-212-4/0 | 2 | | | 4/0-6 | 2 | 1/4 | 4-14 | 12 | Slot | 460 |
| LDB-212-500 | 1 | | | 500kcmil-4 | 2 | 3/8 | 4-14 | 12 | Slot | 760 |
| LDA-212-500 | 2 | | | 500kcmil-4 | 2 | 3/8 | 4-14 | 12 | Slot | 760 |
| LDB-26-500 | 1 | | | 500kcmil-4 | 2 | 3/8 | 2/0-14 | 6 | 3/16 | 760 |
| LDA-26-500 | 2 | | | 500kcmil-4 | 2 | 3/8 | 2/0-14 | 6 | 3/16 | 760 |
| LDB-24-500 | 1 | | | 500kcmil-4 | 2 | 3/8 | 4/0-6 | 4 | 5/16 | 760 |
| LDA-24-500 | 2 | | | 500kcmil-4 | 2 | 3/8 | 4/0-6 | 4 | 5/16 | 760 |
| LDB-11-500 | 1 | | | 500kcmil-4 | 1 | 3/8 | 500kcmil-4 | 1 | 3/8 | 380 |
| LDA-11-500 | 2 | | | 500kcmil-4 | 1 | 3/8 | 500kcmil-4 | 1 | 3/8 | 380 |
| LDB-22-350 | 1 | | | 350kcmil-6 | 2 | 3/8 | 350kcmil-6 | 2 | 3/8 | 620 |
| LDA-22-350 | 2 | | | 350kcmil-6 | 2 | 3/8 | 350kcmil-6 | 2 | 3/8 | 620 |
| LDB-22-500 | 1 | | | 500kcmil-4 | 2 | 3/8 | 500kcmil-4 | 2 | 3/8 | 760 |
| LDA-22-500 | 2 | | | 500kcmil-4 | 2 | 3/8 | 500kcmil-4 | 2 | 3/8 | 760 |

Side Panel can be ordered separately Cat. No. LDS-1

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 1059, UL File E84782



Dimensions

| A | B | C | D=Dia. | E | F | G | H | J = Cover | K | L | M | N |
|---|-------|--------|----------|-------|------|-------|-----|-----------|------|------|-----|------|
| 3 | 5-1/2 | 3-7/16 | .28 Slot | 1-1/2 | 5/16 | 4-7/8 | 1/4 | 1/2 | 4.75 | 2.69 | .38 | 1.50 |

TYPE PDA PDC

Features

- Modular design
- Easy to assemble
- UL Recognized 90° C 600 Volts and is CSA Certified
- Electro-tin plated
- Lexan® insulating base
- Manufactured from high strength aluminum

Benefits

- Simplifies stocking. Combines any number of blocks with multiple conductor ranges into the specific configuration required for the job.
- Unique locking feature allows individual blocks to be combined quickly without special tools
- Ensures reliability
- Provides low contact resistance
- Provides a high degree of impact resistance with superior insulating qualities
- Suitable for use with either copper or aluminum conductors



Fig. 1



Fig. 2



Fig. 3



Fig. 4

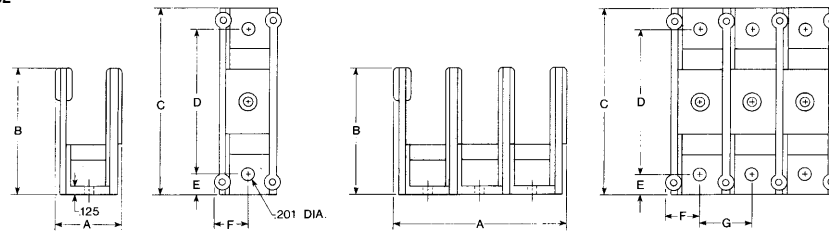
| Catalog Number | Figure Number | Connector | | Primary | | Secondary | | Ampere Rating Per Pole | No. of Poles | Hex Size | |
|----------------|---------------|-----------|-----------|------------|-------------------|------------|-------------------|------------------------|--------------|----------|-----------|
| | | Primary | Secondary | Wire Range | Openings Per Pole | Wire Range | Openings Per Pole | | | Primary | Secondary |
| PDC-14-2/0-1 | 1 | | | 2/0-14 | 1 | 4-14 | 4 | 175 | 1 | 3/16 | Slot |
| PDA-14-2/0-1 | 2 | | | 2/0-14 | 1 | 4-14 | 4 | 175 | Adder | 3/16 | Slot |
| PDC-11-2/0-1 | 3 | | | 2/0-14 | 1 | 2/0-14 | 1 | 175 | 1 | 3/16 | 3/16 |
| PDA-11-2/0-1 | 4 | | | 2/0-14 | 1 | 2/0-14 | 1 | 175 | Adder | 3/16 | 3/16 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Covers available 1-10 Poles. Specify length.

*Lexan is a registered trademark of SABIC INNOVATIVE PLASTICS HOLDINGS BV.

Tested to UL 1059, UL File E84782



| Block Size | No. of Poles | Dimensions | | | | | | |
|------------|--------------|------------|------|------|------|-----|-----|-----|
| | | A | B | C | D | E | F | G |
| S | 1 | 1.05 | 1.94 | 2.88 | 2.25 | .31 | .53 | .80 |
| S | 2 | 1.85 | 1.94 | 2.88 | 2.25 | .31 | .53 | .80 |

"A" Dimension increases by .80 per additional pole.

TYPE PDB

Features

- Range taking
- Valox* insulating base
- Electro-tin plated
- Manufactured from high strength aluminum
- UL Recognized rated 90° C and is CSA Certified, rated for 600 volts

Benefits

- Provides great flexibility in using the connector as an in line splice or to reduce conductor size
- Provides a high degree of impact resistance with superior insulating qualities
- Provides low contact resistance
- Suitable for use with either copper or aluminum conductors
- Ensures reliability



F

| Catalog Number | Connector | | Primary | | Secondary | | Ampere Rating Per Pole | Number Of Poles | Block Size | Hex Size | |
|----------------|-----------|-----------|------------|-------------------|------------|-------------------|------------------------|-----------------|------------|----------|-----------|
| | Primary | Secondary | Wire Range | Openings Per Pole | Wire Range | Openings Per Pole | | | | Primary | Secondary |
| PDB-16-2/0-1 | | | 2/0-12 | 1 | 4-14 | 6 | 175 | 1 | M | 3/16 | Slot |
| PDB-16-2/0-2 | | | 2/0-12 | 1 | 4-14 | 6 | 175 | 2 | M | 3/16 | Slot |
| PDB-16-2/0-3 | | | 2/0-12 | 1 | 4-14 | 6 | 175 | 3 | M | 3/16 | Slot |
| PDB-26-2/0-1 | | | 2/0-12 | 2 | 2-14 | 6 | 350 | 1 | M | 3/16 | Slot |
| PDB-26-2/0-2 | | | 2/0-12 | 2 | 2-14 | 6 | 350 | 2 | M | 3/16 | Slot |
| PDB-26-2/0-3 | | | 2/0-12 | 2 | 2-14 | 6 | 350 | 3 | M | 3/16 | Slot |
| PDB-112-350-1 | | | 350kcmil-6 | 1 | 4-14 | 12 | 310 | 1 | L | 3/8 | Slot |
| PDB-112-350-2 | | | 350kcmil-6 | 1 | 4-14 | 12 | 310 | 2 | L | 3/8 | Slot |
| PDB-112-350-3 | | | 350kcmil-6 | 1 | 4-14 | 12 | 310 | 3 | L | 3/8 | Slot |
| PDB-112A-350-1 | | | 350kcmil-6 | 1 | 4-14 | 12 | 310 | 1 | M | 3/8 | Slot |
| PDB-112A-350-2 | | | 350kcmil-6 | 1 | 4-14 | 12 | 310 | 2 | M | 3/8 | Slot |
| PDB-112A-350-3 | | | 350kcmil-6 | 1 | 4-14 | 12 | 310 | 3 | M | 3/8 | Slot |
| PDB-14-500-1 | | | 500kcmil-4 | 1 | 2/0-14 | 4 | 380 | 1 | M | 3/8 | 3/16 |
| PDB-14-500-2 | | | 500kcmil-4 | 1 | 2/0-14 | 4 | 380 | 2 | M | 3/8 | 3/16 |
| PDB-14-500-3 | | | 500kcmil-4 | 1 | 2/0-14 | 4 | 380 | 3 | M | 3/8 | 3/16 |
| PDB-16-350-1 | | | 350kcmil-6 | 1 | 2/0-14 | 6 | 310 | 1 | L | 3/8 | 3/16 |
| PDB-16-350-2 | | | 350kcmil-6 | 1 | 2/0-14 | 6 | 310 | 2 | L | 3/8 | 3/16 |
| PDB-16-350-3 | | | 350kcmil-6 | 1 | 2/0-14 | 6 | 310 | 3 | L | 3/8 | 3/16 |
| PDB-162-500-1 | | | 500kcmil-4 | 1 | 2-14 | 6 | 380 | 1 | M | 3/8 | Slot |
| PDB-162-500-2 | | | 500kcmil-4 | 1 | 2-14 | 6 | 380 | 2 | M | 3/8 | Slot |
| PDB-162-500-3 | | | 500kcmil-4 | 1 | 2-14 | 6 | 380 | 3 | M | 3/8 | Slot |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* Valox* is a registered trade name of the General Electric Company.

Tested to UL 1059, UL File E84782

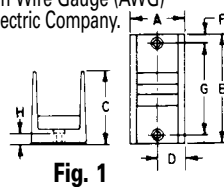


Fig. 1

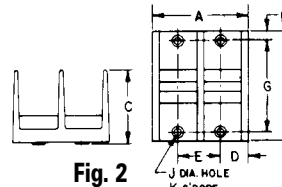


Fig. 2

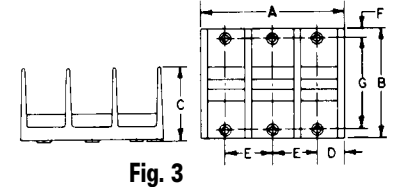


Fig. 3

Dimensions

| Block Size | Number Of Poles | Figure Number | A | B | C | D | E | F | G | H | J | K |
|------------|-----------------|---------------|---------|-------|-------|-------|---------|------|-------|------|-------|-------|
| M | 1 | 1 | 1-27/32 | 4 | 2-5/8 | 31/32 | - | 5/16 | 3-3/8 | 3/8 | 13/64 | 13/32 |
| M | 2 | 2 | 3-13/32 | 4 | 2-5/8 | 31/32 | 1-17/32 | 5/16 | 3-3/8 | 3/8 | 13/64 | 13/32 |
| M | 3 | 3 | 5 | 4 | 2-5/8 | 31/32 | 1-17/32 | 5/16 | 3-3/8 | 3/8 | 13/64 | 13/32 |
| L | 1 | 1 | 3 | 5-1/2 | 3-1/2 | 1-1/2 | - | 3/8 | 4-3/4 | 7/16 | 9/32 | 1/2 |
| L | 2 | 2 | 5-11/16 | 5-1/2 | 3-1/2 | 1-1/2 | 2-11/16 | 3/8 | 4-3/4 | 7/16 | 9/32 | 1/2 |
| L | 3 | 3 | 8-3/8 | 5-1/2 | 3-1/2 | 1-1/2 | 2-11/16 | 3/8 | 4-3/4 | 7/16 | 9/32 | 1/2 |

TYPE PDB

Features

- Range taking
- Valox* insulating base
- Electro-tin plated
- Manufactured from high strength aluminum
- UL Recognized rated 90° C and is CSA Certified, rated for 600 volts

Benefits

- Provides great flexibility in using the connector as an in line splice or to reduce conductor size
- Provides a high degree of impact resistance with superior insulating qualities
- Provides low contact resistance
- Suitable for use with either copper or aluminum conductors
- Ensures reliability



| Catalog Number | Connector | | Primary | | Secondary | | Ampere Rating Per Pole | Number Of Poles | Block Size | Hex Size | |
|----------------|-----------|-----------|------------|-------------------|------------|-------------------|------------------------|-----------------|------------|----------|-----------|
| | Primary | Secondary | Wire Range | Openings Per Pole | Wire Range | Openings Per Pole | | | | Primary | Secondary |
| PDB-212-4/0-1 | | | 4/0-6 | 2 | 4-14 | 12 | 460 | 1 | M | | |
| PDB-212-4/0-2 | | | 4/0-6 | 2 | 4-14 | 12 | 460 | 2 | M | 3/8 | Slot |
| PDB-212-4/0-3 | | | 4/0-6 | 2 | 4-14 | 12 | 460 | 3 | M | | |
| PDB-26-350-1 | | | 350kcmil-6 | 2 | 2/0-14 | 6 | 620 | 1 | L | | |
| PDB-26-350-2 | | | 350kcmil-6 | 2 | 2/0-14 | 6 | 620 | 2 | L | 3/8 | 3/16 |
| PDB-26-350-3 | | | 350kcmil-6 | 2 | 2/0-14 | 6 | 620 | 3 | L | | |
| PDB-16-500-1 | | | 500kcmil-4 | 1 | 2/0-14 | 6 | 380 | 1 | L | | |
| PDB-16-500-2 | | | 500kcmil-4 | 1 | 2/0-14 | 6 | 380 | 2 | L | 3/8 | 3/16 |
| PDB-16-500-3 | | | 500kcmil-4 | 1 | 2/0-14 | 6 | 380 | 3 | L | | |
| PDB-212-500-1 | | | 500kcmil-4 | 2 | 4-14 | 12 | 760 | 1 | L | | |
| PDB-212-500-2 | | | 500kcmil-4 | 2 | 4-14 | 12 | 760 | 2 | L | 3/8 | Slot |
| PDB-212-500-3 | | | 500kcmil-4 | 2 | 4-14 | 12 | 760 | 3 | L | | |
| PDB-24-500-1 | | | 500kcmil-4 | 2 | 4/0-6 | 4 | 760 | 1 | L | | |
| PDB-24-500-2 | | | 500kcmil-4 | 2 | 4/0-6 | 4 | 760 | 2 | L | 3/8 | 5/16 |
| PDB-24-500-3 | | | 500kcmil-4 | 2 | 4/0-6 | 4 | 760 | 3 | L | | |
| PDB-26-500-1 | | | 500kcmil-4 | 2 | 2/0-14 | 6 | 760 | 1 | L | | |
| PDB-26-500-2 | | | 500kcmil-4 | 2 | 2/0-14 | 6 | 760 | 2 | L | 3/8 | 3/16 |
| PDB-26-500-3 | | | 500kcmil-4 | 2 | 2/0-14 | 6 | 760 | 3 | L | | |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* Valox® is a registered trade name of the General Electric Company.

Tested to UL 1059, UL File E84782

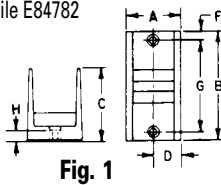


Fig. 1

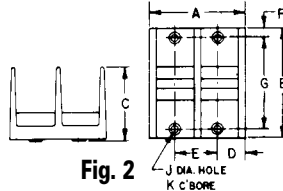


Fig. 2

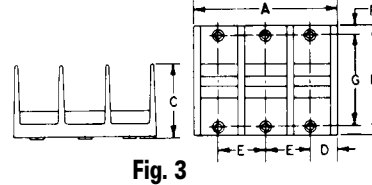


Fig. 3

Dimensions

| Block Size | Number Of Poles | Figure Number | A | B | C | D | E | F | G | H | J | K |
|------------|-----------------|---------------|---------|-------|-------|-------|---------|------|-------|------|-------|-------|
| M | 1 | 1 | 1-27/32 | 4 | 2-5/8 | 31/32 | - | 5/16 | 3-3/8 | 3/8 | 13/64 | 13/32 |
| M | 2 | 2 | 3-13/32 | 4 | 2-5/8 | 31/32 | 1-17/32 | 5/16 | 3-3/8 | 3/8 | 13/64 | 13/32 |
| M | 3 | 3 | 5 | 4 | 2-5/8 | 31/32 | 1-17/32 | 5/16 | 3-3/8 | 3/8 | 13/64 | 13/32 |
| L | 1 | 1 | 3 | 5-1/2 | 3-1/2 | 1-1/2 | - | 3/8 | 4-3/4 | 7/16 | 9/32 | 1/2 |
| L | 2 | 2 | 5-11/16 | 5-1/2 | 3-1/2 | 1-1/2 | 2-11/16 | 3/8 | 4-3/4 | 7/16 | 9/32 | 1/2 |
| L | 3 | 3 | 8-3/8 | 5-1/2 | 3-1/2 | 1-1/2 | 2-11/16 | 3/8 | 4-3/4 | 7/16 | 9/32 | 1/2 |

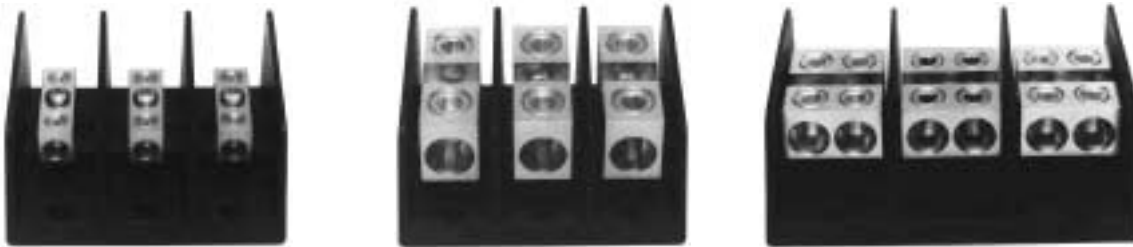
TYPE PDB

Features

- Multiple taps
- Range taking
- Valox* insulating base
- Electro-tin plated
- Manufactured from high strength aluminum
- UL Recognized rated 90° C and is CSA Certified, rated for 600 volts

Benefits

- Depending on product selected, up to twelve taps can be taken from one or two mains
- Provides tapping flexibility over a broad wire range
- Provides a high degree of impact resistance with superior insulating qualities
- Provides low contact resistance
- Suitable for use with either copper or aluminum conductors
- Ensures reliability



F

| Catalog Number | Connector | | Primary | | Secondary | | Ampere Rating Per Pole | Number Of Poles | Block Size | Hex Size | |
|----------------|-----------|-----------|------------|-------------------|------------|-------------------|------------------------|-----------------|------------|----------|-----------|
| | Primary | Secondary | Wire Range | Openings Per Pole | Wire Range | Openings Per Pole | | | | Primary | Secondary |
| PDB-11-2/0-1 | | | 2/0-14 | 1 | 2/0-14 | 1 | 175 | 1 | M | 3/16 | 3/16 |
| PDB-11-2/0-2 | | | 2/0-14 | 1 | 2/0-14 | 1 | 175 | 2 | M | | |
| PDB-11-2/0-3 | | | 2/0-14 | 1 | 2/0-14 | 1 | 175 | 3 | M | | |
| PDB-11-350-1 | | | 350kcmil-6 | 1 | 350kcmil-6 | 1 | 310 | 1 | M | 3/8 | 3/8 |
| PDB-11-350-2 | | | 350kcmil-6 | 1 | 350kcmil-6 | 1 | 310 | 2 | M | | |
| PDB-11-350-3 | | | 350kcmil-6 | 1 | 350kcmil-6 | 1 | 310 | 3 | M | | |
| PDB-11-500-1 | | | 500kcmil-4 | 1 | 500kcmil-4 | 1 | 380 | 1 | L | 3/8 | 3/8 |
| PDB-11-500-2 | | | 500kcmil-4 | 1 | 500kcmil-4 | 1 | 380 | 2 | L | | |
| PDB-11-500-3 | | | 500kcmil-4 | 1 | 500kcmil-4 | 1 | 380 | 3 | L | | |
| PDB-22-2/0-1 | | | 2/0-14 | 2 | 2/0-14 | 2 | 350 | 1 | M | 3/16 | 3/16 |
| PDB-22-2/0-2 | | | 2/0-14 | 2 | 2/0-14 | 2 | 350 | 2 | M | | |
| PDB-22-2/0-3 | | | 2/0-14 | 2 | 2/0-14 | 2 | 350 | 3 | M | | |
| PDB-22-350-1 | | | 350kcmil-6 | 2 | 350kcmil-6 | 2 | 620 | 1 | L | 3/8 | 3/8 |
| PDB-22-350-2 | | | 350kcmil-6 | 2 | 350kcmil-6 | 2 | 620 | 2 | L | | |
| PDB-22-350-3 | | | 350kcmil-6 | 2 | 350kcmil-6 | 2 | 620 | 3 | L | | |
| PDB-22-500-1 | | | 500kcmil-4 | 2 | 500kcmil-4 | 2 | 760 | 1 | L | 3/8 | 3/8 |
| PDB-22-500-2 | | | 500kcmil-4 | 2 | 500kcmil-4 | 2 | 760 | 2 | L | | |
| PDB-22-500-3 | | | 500kcmil-4 | 2 | 500kcmil-4 | 2 | 760 | 3 | L | | |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* Valox® is a registered trade name of the General Electric Company.

Tested to UL 1059, UL File E84782

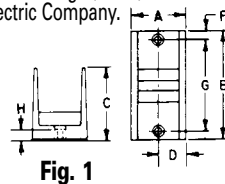


Fig. 1

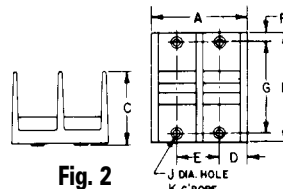


Fig. 2

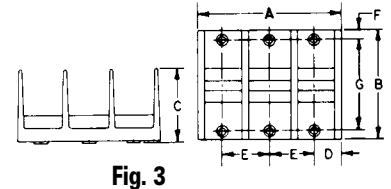


Fig. 3

Dimensions

| Block Size | Number Of Poles | Figure Number | A | B | C | D | E | F | G | H | J | K |
|------------|-----------------|---------------|---------|-------|-------|-------|---------|------|-------|------|-------|-------|
| M | 1 | 1 | 1-27/32 | 4 | 2-5/8 | 31/32 | - | 5/16 | 3-3/8 | 3/8 | 13/64 | 13/32 |
| M | 2 | 2 | 3-13/32 | 4 | 2-5/8 | 31/32 | 1-17/32 | 5/16 | 3-3/8 | 3/8 | 13/64 | 13/32 |
| M | 3 | 3 | 5 | 4 | 2-5/8 | 31/32 | 1-17/32 | 5/16 | 3-3/8 | 3/8 | 13/64 | 13/32 |
| L | 1 | 1 | 3 | 5-1/2 | 3-1/2 | 1-1/2 | - | 3/8 | 4-3/4 | 7/16 | 9/32 | 1/2 |
| L | 2 | 2 | 5-11/16 | 5-1/2 | 3-1/2 | 1-1/2 | 2-11/16 | 3/8 | 4-3/4 | 7/16 | 9/32 | 1/2 |
| L | 3 | 3 | 8-3/8 | 5-1/2 | 3-1/2 | 1-1/2 | 2-11/16 | 3/8 | 4-3/4 | 7/16 | 9/32 | 1/2 |

Lay-In Type Power Distribution Blocks Dual Rated

TYPE PDB

Features

- Lay-In primary cable ports
- Valox insulating base
- Clear cover
- UL 1059 Recognized and CSA Certified for 600 volts
- Electro-tin plated
- Manufactured from high strength aluminum

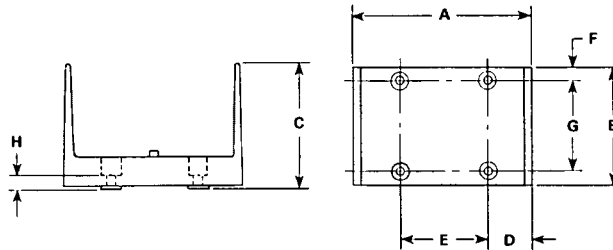
Benefits

- Designed for feed through of two primary conductors and up to six taps with no need to break the main feeder cable
- Provides a high degree of impact resistance with superior insulating qualities
- Permits visual inspection
- Ensures reliability
- Provides low contact resistance
- Suitable for use with either copper or aluminum conductors



| Catalog Number | Connector | | Primary | | Secondary | | Ampere Rating Per Pole | Number Of Poles | Hex Size | |
|----------------|-----------|-----------|------------|-------------------|------------|-------------------|------------------------|-----------------|----------|-----------|
| | Primary | Secondary | Wire Range | Openings Per Pole | Wire Range | Openings Per Pole | | | Primary | Secondary |
| | | | | | | | | | | |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 1059, UL File E84782



| Block Size | No. of Poles | Dimensions | | | | | | | |
|------------|--------------|------------|---|-------|---------|---|-----|-------|------|
| | | A | B | C | D | E | F | G | H |
| W | 1 | 6-7/32 | 4 | 4-3/8 | 1-19/32 | 3 | 3/8 | 3-1/4 | 7/16 |

* Valox® is a registered trade name of the General Electric Company.

F

TYPE PDB

Features

- Manufactured from high strength aluminum
- Valox® insulating base
- UL 1059 Recognized 90° C 600 volts
- Electro-tin plated
- Clear cover

Benefits

- Reliable use for copper conductor only
- Provides a high degree of impact resistance with superior insulating qualities
- Ensures reliability
- Provides low contact resistance
- Provides visual inspection



| Catalog Number | Connector | | Primary | | Secondary | | Ampere Rating Per Pole | Number Of Poles | Block Size | Hex Size | |
|----------------|-----------|-----------|------------|-------------------|------------|-------------------|------------------------|-----------------|------------|----------|-----------|
| | Primary | Secondary | Wire Range | Openings Per Pole | Wire Range | Openings Per Pole | | | | Primary | Secondary |
| | | | | | | | | | | | |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

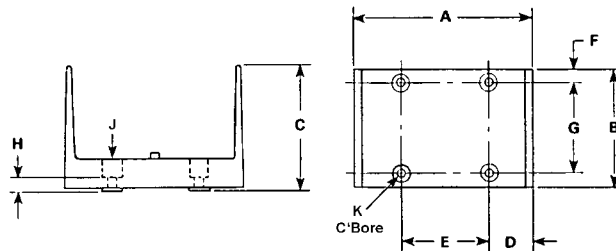
Valox® is a registered trade name of the General Electric Company.

A versatile tap hole, wire range 8-14 AWG included on the connector.

Tested to UL 1059, UL File E84782

‡ Not CSA Certified

F



| Block Size | No. of Poles | Dimensions | | | | | | | | | |
|------------|--------------|------------|---|-------|---------|---|-----|-------|------|------|------|
| | | A | B | C | D | E | F | G | H | J | K |
| W | 1 | 6-7/32 | 4 | 4-3/8 | 1-19/32 | 3 | 3/8 | 3-1/4 | 7/16 | 9/32 | 9/16 |

TYPE PDB

Features

- Multiple taps
- Valox* insulating base
- Clear cover
- UL 1059 Recognized 90° C 600 Volts and is CSA Certified
- Electro-tin plated
- Manufactured from high strength aluminum

Benefits

- Three different connector configurations provide a wide range of tapping capabilities for up to four primary conductors
- Provides a high degree of impact resistance with superior insulating qualities
- Permits visual inspection
- Ensures reliability
- Provides low contact resistance
- Suitable for use with either copper or aluminum conductors



Fig. 1



Fig. 2



Fig. 3



Fig. 4

| Catalog Number | Figure Number | Connector | | Primary | | Secondary | | Ampere Rating Per Pole | Number of Poles | Block Size | Hex Size | |
|----------------|---------------|-----------|-----------|--------------|-------------------|---------------------|-------------------|------------------------|-----------------|------------|----------|-------------|
| | | Primary | Secondary | Wire Range | Openings Per Pole | Wire Range | Openings Per Pole | | | | Primary | Secondary |
| PDB-428-500-1 | 1 | | | 500kcmil-4 | 4 | 4-14 | 28 | 1520 | 1 | W | 3/8 | Slot |
| PDB-49-500-1 | 2 | | | 500kcmil-4 | 4 | 350kcmil-6 4/0-6 | 6 3 | 1520 | 1 | W | 3/8 | 3/8 5/16 |
| ‡ PDB-55-500-1 | 4 | | | 500kcmil-3/0 | 5 | 500kcmil-3/0 | 5 | 1600 | 1 | W | 3/8 | 3/8 |
| PDB-412-500-1 | 3 | | | 500kcmil-4 | 4 | 4/0-6 | 12 | 1520 | 1 | W | 3/8 | 5/16 |

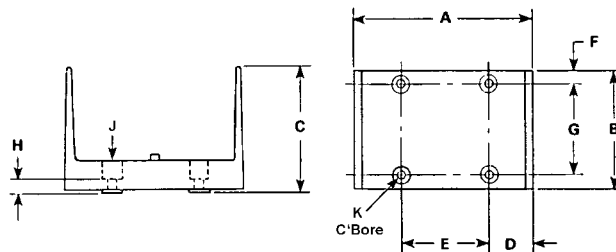
All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Valox® is a registered trade name of the General Electric Company.

° A versatile tap hole, wire range 8-14 AWG included on the connector.

‡ Not CSA Certified

Tested to UL 1059, UL File E84782



| Block Size | No. of Poles | Dimensions | | | | | | | | | |
|------------|--------------|------------|---|-------|---------|---|-----|-------|------|------|------|
| | | A | B | C | D | E | F | G | H | J | K |
| W | 1 | 6-7/32 | 4 | 4-3/8 | 1-19/32 | 3 | 3/8 | 3-1/8 | 7/16 | 9/32 | 9/16 |

Touch Safe Power Distribution Block High Short-Current Rating



TYPE PDE

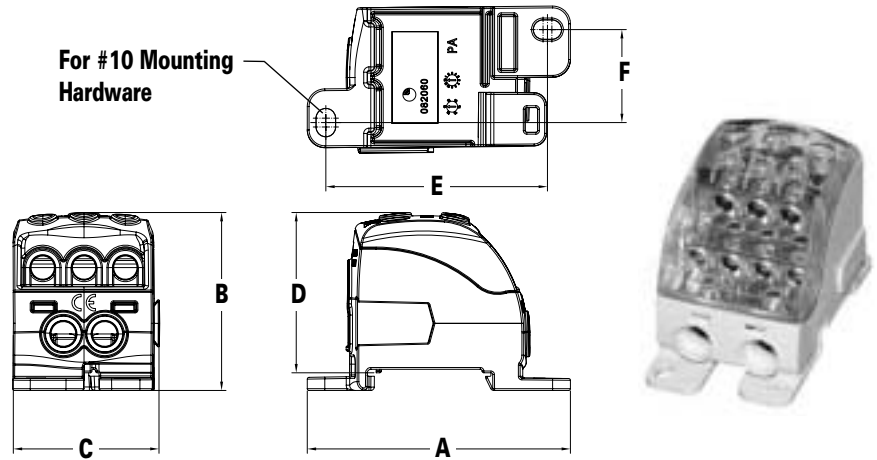
Features

- IP20 touch safe protection
- Transparent cover included
- Compact size
- High Short Circuit Current Rated (SCCR)
- Manufactured from high strength copper alloy
- Electro nickel and tin plated
- Surface or DIN rail mountable
- Jumper option for PDB-160 and 210

Benefits

- Minimizes risk of electrical shock
- Aids visual inspection
- Ideal for use in confined space
- Added protection
- Suitable for use with copper conductor
- Provides low contact resistance
- Easily mounts into new or existing enclosure
- Connects two or three PDB's, eliminates need for multiple wire inputs

| Catalog Number | Dimensions - in. (mm) | | | | | |
|----------------|-----------------------|--------------|--------------|--------------|--------------|--------------|
| | A | B | C | D | E | F |
| PDB-160 | 2.677 (68.0) | 1.929 (49.0) | 1.299 (33.0) | 1.732 (44.0) | 2.214 (56.2) | 0.768 (19.5) |
| PDB-210 | 2.756 (70.0) | 2.114 (53.7) | 1.461 (37.1) | 1.917 (48.7) | 2.303 (58.5) | 0.929 (23.6) |
| PDB-220 | 2.933 (74.5) | 1.984 (50.4) | 1.614 (41.0) | 1.787 (45.4) | 2.470 (62.7) | 1.035 (26.3) |
| PDB-270 | 2.874 (73.0) | 2.146 (54.5) | 2.067 (52.5) | 1.949 (49.5) | 2.461 (62.5) | 1.457 (37.0) |
| PDB-400 | 3.740 (95.0) | 3.032 (77.0) | 2.071 (52.6) | 2.854 (72.5) | 3.238 (82.2) | 1.528 (38.8) |
| PDB-490 | 3.740 (95.0) | 3.032 (77.0) | 2.071 (52.6) | 2.854 (72.5) | 3.238 (82.2) | 1.528 (38.8) |



F

| Catalog Number | Amps | Line | | | Load | | | High SCCR Conditions | | | | | | | SCCR RMS SYM (kA) | |
|----------------|------|--|------------------------------------|------------------------------------|--|----------------------------------|----------------------------------|-----------------------|----------------------------------|---|----|-----|-----|---|-------------------|-----|
| | | Conductor Opening Configuration Per Pole | UL Rated Conductor Range | Screw Drive | Conductor Opening Configuration Per Pole | UL Rated Conductor Range | Screw Drive | Rated Conductor Range | | Overcurrent Protection Fuse Required Class/Max AMP Rating (A) | | | | | | |
| | | | | | | | | Line | Load | J | T | RK1 | RK5 | G | | CC |
| PDB-160† | 85 | | (1) 4-14 (1) 6-16 ^B | Slotted Phillips Combo | | (3) 8-16 (2) 6-16 | 2.5 mm Hex 3 mm Hex | (1) 4-14 | (3) 8-14 (2) 4-14 | 60 | 60 | 60 | 30 | - | 30 | 200 |
| PDB-210† | 115 | | (1) 2-12 (1) 6-16 ^B | Slotted Phillips Combo | | (3) 6-16 (2) 4-14 | 2.5 mm Hex 3 mm Hex | (1) 2-12 | (3) 6-16 (2) 4-14 | 60 | 60 | 60 | 30 | - | 30 | 200 |
| PDB-220† | 150 | | (1) 2/0-8 3.2 x 15.5 mm† | 5 mm Hex 2.5 mm Hex | | (3) 6-16 (2) 4-14 | 3 mm Hex 3 mm Hex | (1) 1/0-10 | (3) 6-14 (2) 4-14 | 60 | 60 | 60 | 30 | - | 30 | 200 |
| PDB-270† | 200 | | (1) 3/0-6 (2) 2-12 ^B | 6 mm Hex Slotted Phillips Combo | | (8) 4-14 | 3 mm Hex | (1) 3/0-6 | (8) 4-14 | 60 | 60 | 60 | 30 | - | 30 | 200 |
| PDB-400* | 250 | | (1) 250kcmil-2 10 x 24 mm† | 6 mm Hex 3 mm Hex | | (3) 4-14 (4) 6-16 (2) 2-12 | 3 mm Hex 3 mm Hex 4 mm Hex | (1) 250kcmil-2 | (3) 4-14 (4) 6-14 (2) 2-12 | 60 | 60 | 60 | 30 | - | 30 | 200 |
| PDB-490* | 310 | | (1) 350kcmil-3/0 10 x 24 mm† | 6 mm Hex 3 mm Hex | | (3) 4-14 (4) 6-16 (2) 2-12 | 3 mm Hex 3 mm Hex 4 mm Hex | (1) 300kcmil-2/0 | (3) 4-14 (4) 6-14 (2) 2-12 | 60 | 60 | 60 | 30 | - | 30 | 200 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG) Recognized to UL1059, 90° C, 600V and IEC standard 60947-7-1
† - flat conductor B - bridge conductor

‡ Rated to 1000V DC
* Rated to 1500V DC

Jumpers

| Catalog Number | Figure Number | Description |
|----------------|---------------|---------------------|
| JMP-2-160 | 1 | Connect 2 PDB-160's |
| JMP-3-160 | 2 | Connect 3 PDB-160's |
| JMP-2-210 | 1 | Connect 2 PDB-210's |
| JMP-3-210 | 2 | Connect 3 PDB-210's |



Fig. 1

Fig. 2

All PDB blocks are single pole and snap together for multiple pole configurations
For further details on conductors, fuse ratings, and additional SCCR ratings, please refer to product information sheet



ClearGround®
Intersystem Ground Tap
Type GBT

GGA



325

GGB



326 - 327

ULT



329

GGC



328

ELT



330

CGP



331

CST, CDT



332

TWCT



333 - 334

CGRC



335

BGRC



336

SRC



337

GRC



338

RLT



339 - 340

DCGC



341

BGC



342 - 343

BGDB



344

BGCS



345

SPS



346 - 347

SPD



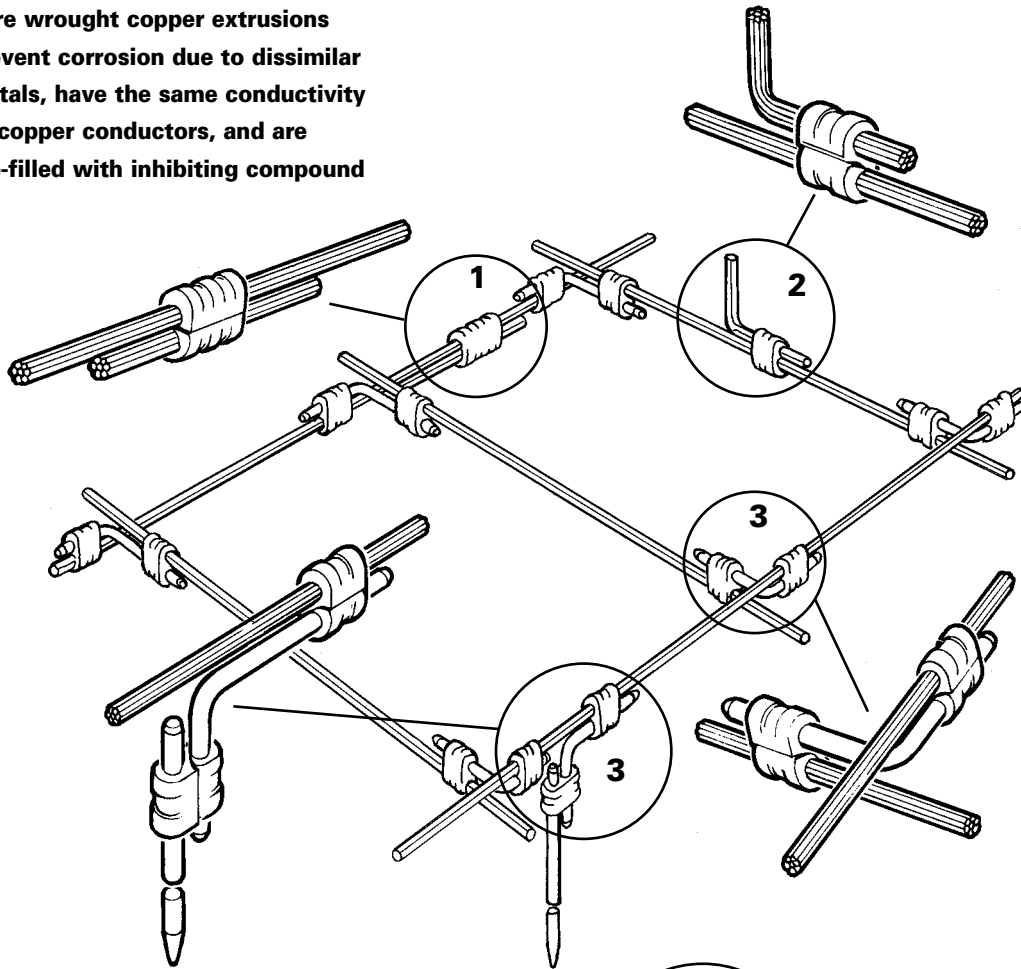
348 - 349

Grounding

| | | | | | |
|---|---|--|--|---|---|
| <p>TTGC</p>  <p>350</p> | <p>GPL3</p>  <p>351</p> | <p>GPL</p>  <p>352 - 353</p> | <p>GS/GSR</p>  <p>354</p> | <p>D167</p>  <p>355</p> | <p>CAN</p>  <p>356</p> |
| <p>N-174</p>  <p>356</p> | <p>AGC</p>  <p>357</p> | <p>SGC</p>  <p>357</p> | <p>SGB</p>  <p>358</p> | <p>GBL</p>  <p>359</p> | <p>CGBL</p>  <p>360</p> |
| <p>GBT</p>  <p>361</p> | <p>GRM</p>  <p>362</p> | <p>GRF</p>  <p>362</p> | <p>GH, GHS</p>  <p>363</p> | <p>GJ, GJS</p>  <p>364</p> | <p>GM, GMS, GWL</p>  <p>365</p> |
| <p>GO</p>  <p>366</p> | <p>GR</p>  <p>367</p> | <p>GT</p>  <p>368</p> | <p>GSE, HGSE</p>  <p>369</p> | <p>GU</p>  <p>370 - 371</p> | <p>GTGC</p>  <p>372</p> |
| <p>LS, LSN</p>  <p>373</p> | <p>NB</p>  <p>374</p> | <p>NBAS</p>  <p>375</p> | <p>NBAE</p>  <p>376</p> | <p>NBCE</p>  <p>377</p> | <p>NBST</p>  <p>378</p> |
| <p>BBFC</p>  <p>379 - 382</p> | | | <p>BBTA</p>  <p>383-384</p> | <p>BBTC</p>  <p>385-386</p> | <p>SCNL</p>  <p>387</p> |
| | | | <p>SCNM</p>  <p>388</p> | <p>SBW</p>  <p>389</p> | <p>SBC</p>  <p>390</p> |
| | | | <p>SBJ</p>  <p>391</p> | <p>SGS</p>  <p>392</p> | |

Grounding Grid System

- Pure wrought copper extrusions prevent corrosion due to dissimilar metals, have the same conductivity as copper conductors, and are pre-filled with inhibiting compound



1 ULT

Compression Line Tap/C-Crimp

Applications: Tap Connector, Lap Splice Connector
Conductor Range: #6 solid – 4/0



2 GGC

Compression Ground Tap Connector

Applications: Tap Connector, Lap Splice Connector
Conductor Range: #6 solid – 500kcmil
Copper Ground Rods: 1/2", 5/8", 3/4"



3 GGA

Compression Ground Grid Cross Connector

Compression elements can be rotated or adjusted prior to installation
Applications: Cross Connector, Ground Rod Connector
Conductor Range: #6 solid – 500kcmil
Copper Ground Rods: 1/2", 5/8", 3/4"



Compression Grounding

Figure 6 - 6 Grounding Grid

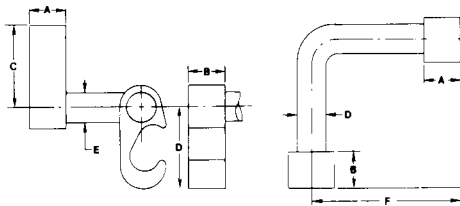
TYPE GGA

Features

- Manufactured from high strength copper alloy
- Clearly marked with wire size and die index
- Range taking
- Connector can be adjusted prior to installation
- Non-hazardous installation
- Prefilled with DE-OX® oxide inhibiting compound
- Temperature Rating 90° C
- UL Listed and CSA Certified for grounding and bonding

Benefits

- Provides maximum conductivity. Suitable for direct burial.
- Provides easy identification and tooling recommendation
- Reduces inventory. Six sizes cover a wire range from 500kcmil to #6, and 1/2" to 3/4" ground rods.
- Permits adjustments to be made for misaligned cross grids
- Can be installed in all types of weather with no need for protective equipment or clothing. Does not produce heat or dangerous particles.
- Prevents oxides from forming
- Ensures reliability
- Direct burial in earth or concrete



| Catalog Number | Wire Range | | | | | Dimensions - in. (mm) | | | | | |
|----------------|-------------------|-------------------|---------------------|-------------------|--------|-----------------------|-------------|--------------|--------------|-------------|--------------|
| | Cable to Cable | | Cable to Ground Rod | | Rebar | A | B | C | D | E | F |
| | Side A | Side B | Side A | Side B | Side B | | | | | | |
| GGA-1 | 2str-6sol | 2str-6sol | - | - | - | .750 (19.1) | .750 (19.1) | 1.090 (27.7) | 1.090 (27.7) | .313 (8.0) | 2.500 (63.5) |
| GGA-2 | 250kcmil-1str | 2str-6sol | 1/2 - 5/8 Rod | 2str-6sol | #3-4 | .750 (19.1) | .750 (19.1) | 1.660 (42.2) | 1.090 (27.7) | .313 (8.0) | 2.500 (63.5) |
| GGA-3 | 250kcmil-2str | 250kcmil-2str | 1/2 - 5/8 Rod | 250kcmil-2str | #3-4 | .750 (19.1) | .750 (19.1) | 1.660 (42.2) | 1.660 (42.2) | .500 (12.7) | 2.500 (63.5) |
| GGA-4 | 500kcmil-250kcmil | 2str-6sol | 5/8 - 3/4 Rod | 2str-6sol | #5-6 | .750 (19.1) | .750 (19.1) | 2.090 (53.1) | 1.090 (27.7) | .313 (8.0) | 2.500 (63.5) |
| GGA-5 | 500kcmil-250kcmil | 250kcmil-2str | 5/8 - 3/4 Rod | 250kcmil-2str | #5-6 | .750 (19.1) | .750 (19.1) | 2.090 (53.1) | 1.660 (42.2) | .500 (12.7) | 2.500 (63.5) |
| GGA-6 | 500kcmil-250kcmil | 500kcmil-250kcmil | 5/8 - 3/4 Rod | 500kcmil-250kcmil | #5-6 | .750 (19.1) | .750 (19.1) | 2.280 (57.9) | 2.280 (57.9) | .750 (19.1) | 2.500 (63.5) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Tested to UL 467, UL File E34440

The GGA Series compression ground grid cross connector can be used to connect a copper ground grid system together or to connect a copper ground grid system to a copper clad ground rod. The GGA Series of compression connectors allow adjustment of each side of the connector prior to installation. The GGA Series of compression connectors are pre-filled with oxide inhibiting compound and are suitable for direct burial.

Notes:

1. ILSCO ILC-12 or ILC-15 Series Tools and ILD Series Dies may be used. Note: Adapter required when using ILC-15 Series Tool. Burndy tools and dies may also be used.
2. Perform a "pre-crimp" on ground rod prior to installing GGA connector. Use an indent type of die such as ILD-Precrimp.
3. Each side of the GGA Series may be rotated around the rod to any desired position before crimping.

| ILSCO Installation Tooling | | |
|---|----------------------|----------------------|
| ILC-12-N, ILC-12H-N, ILCB-12-N, ILC-15-H TB-12U1000-P, TM-12U1000, TR-12U1000 Die Index (No. of Crimps) | | |
| Catalog Number | Side A | Side B |
| GGA-1 | O (1) | O (1) |
| GGA-2 | 997 (1) | O (1) |
| GGA-3 | 997 (1) | 997 (1) |
| GGA-4 | 998 (1) | O (1) |
| GGA-5 | 998 (1) | 997 (1) |
| GGA-6 | 999 (1), 1011 (3) | 999 (1), 1011 (3) |

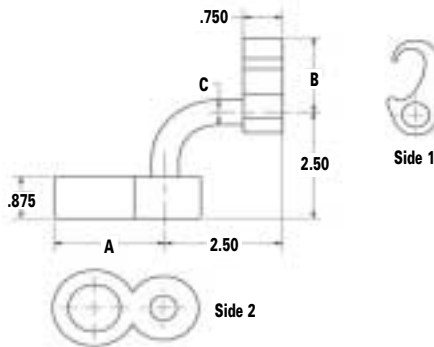
TYPE GGB

Features

- Manufactured from high strength copper alloy
- Clearly marked with wire size and die index
- Each size accepts a wide range of cable sizes
- Side 1 & Side 2 can be rotated to any position before crimping
- UL Listed and CSA Certified for grounding and bonding
- Prefilled with DE-OX® oxide inhibiting compound
- TN in catalog number designates tin plated

Benefits

- Provides maximum conductivity
- Provides easy identification and tooling recommendation
- Application flexibility and reduced inventory
- Ease of installation
- Direct burial in earth or concrete
- Prevents oxides from forming
- For use with galvanized steel ground rod



| Catalog Number | Commercial Copper Cable Range Side 1 | Metric Copper Cable Range Side 1 | Copper Weld Cable Range Side 1 | Ground Rod Diameter Side 2 | Rebar Side 2 | Dimensions - in. (mm) | | |
|----------------|--|--|--|----------------------------|--------------|-----------------------|--------------|--------------|
| | | | | | | A | B | C |
| GGB-1 | 250kcmil (.575 dia.) thru 2str (.292 dia.) | 120mm ² (14.40mm dia.) thru 35mm ² (7.62mm dia.) | 248.8kcmil (.572 dia.) thru 91.65kcmil (.343 dia.) | 1/2" | #3 | 1.390 (35.3) | 1.660 (42.2) | 0.312 (7.9) |
| GGB-2 | 250kcmil (.575 dia.) thru 2str (.292 dia.) | 120mm ² (14.40mm dia.) thru 35mm ² (7.62mm dia.) | 248.8kcmil (.572 dia.) thru 91.65kcmil (.343 dia.) | 5/8" | #4 | 1.455 (37.0) | 1.660 (42.2) | 0.312 (7.9) |
| GGB-3 | 250kcmil (.575 dia.) thru 2str (.292 dia.) | 120mm ² (14.40mm dia.) thru 35mm ² (7.62mm dia.) | 248.8kcmil (.572 dia.) thru 91.65kcmil (.343 dia.) | 3/4" | #5 | 1.644 (41.8) | 1.660 (42.2) | 0.500 (12.7) |
| GGB-4 | 250kcmil (.575 dia.) thru 2str (.292 dia.) | 120mm ² (14.40mm dia.) thru 35mm ² (7.62mm dia.) | 248.8kcmil (.572 dia.) thru 91.65kcmil (.343 dia.) | 1" | #6-7 | 2.025 (51.4) | 1.677 (42.6) | 0.500 (12.7) |
| GGB-5 | 500kcmil (.813 dia.) thru 250kcmil (.575 dia.) | 240mm ² (20.35mm dia.) thru 120mm ² (14.40mm dia.) | 498.8kcmil (.810 dia.) thru 248.8kcmil (.572 dia.) | 1/2" | #3 | 1.390 (35.3) | 2.075 (52.7) | 0.312 (7.9) |
| GGB-6 | 500kcmil (.813 dia.) thru 250kcmil (.575 dia.) | 240mm ² (20.35mm dia.) thru 120mm ² (14.40mm dia.) | 498.8kcmil (.810 dia.) thru 248.8kcmil (.572 dia.) | 5/8" | #4 | 1.455 (37.0) | 2.075 (52.7) | 0.312 (7.9) |
| GGB-7 | 500kcmil (.813 dia.) thru 250kcmil (.575 dia.) | 240mm ² (20.35mm dia.) thru 120mm ² (14.40mm dia.) | 498.8kcmil (.810 dia.) thru 248.8kcmil (.572 dia.) | 3/4" | #5 | 1.644 (41.8) | 2.075 (52.7) | 0.500 (12.7) |
| GGB-8 | 500kcmil (.813 dia.) thru 250kcmil (.575 dia.) | 240mm ² (20.35mm dia.) thru 120mm ² (14.40mm dia.) | 498.8kcmil (.810 dia.) thru 248.8kcmil (.572 dia.) | 1" | #6-7 | 2.025 (51.4) | 2.075 (52.7) | 0.500 (12.7) |
| GGB-3TN | 250kcmil (.575 dia.) thru 2str (.292 dia.) | 120mm ² (14.40mm dia.) thru 35mm ² (7.62mm dia.) | 248.8kcmil (.572 dia.) thru 91.65kcmil (.343 dia.) | 3/4" | N/A | 1.644 (41.8) | 1.660 (42.2) | 0.500 (12.7) |
| GGB-6TN | 500kcmil (.813 dia.) thru 250kcmil (.575 dia.) | 240mm ² (20.35mm dia.) thru 120mm ² (14.40mm dia.) | 498.8kcmil (.810 dia.) thru 248.8kcmil (.572 dia.) | 5/8" | N/A | 1.455 (37.0) | 2.075 (52.7) | 0.312 (7.9) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL467, UL File E34440

Notes:

1. When used with ground rods, it is recommended to rough up the end of ground rod where GGB is to be placed. This provides good rotational resistance. **Perform a "pre-crimp" on ground rod prior to installing GGB connector. Use an indent type of die such as ILD-Precrimp.**

Compression Grounding

Figure 6 - 8 Grounding Grid Tooling

TYPE GGB

Features

- Manufactured from high strength copper alloy
- Clearly marked with wire size and die index
- Each size accepts a wide range of cable sizes
- Side 1 & Side 2 can be rotated to any position before crimping
- UL Listed and CSA Certified for grounding and bonding
- Prefilled with DE-OX® oxide inhibiting compound
- TN in catalog number designates tin plated

Benefits

- Provides maximum conductivity
- Provides easy identification and tooling recommendation
- Application flexibility and reduced inventory
- Ease of installation
- Direct burial in earth or concrete
- Prevents oxides from forming
- For use with galvanized steel ground rod

| Catalog Number | INSTALLATION TOOLING | | | | | |
|----------------|---|---------|--|---------|---|---------|
| | ILSCO | | Burdny | | Thomas & Betts (w/Burdny Dies) | |
| | ILC-12-N, ILC-12H-N, ILCB-12-N, & ILC-15 Series† TB-12U1000-P, TM-12U1000, TR-12U1000 Die (No. of Crimps) | | Y35, Y39, Y46, Y750, PAT750 & PAT46 Series Die (No. of Crimps) | | TBM14, TBM15, BPLT14 & BPLT15 Series, 1300A Die (No. of Crimps) | |
| | Side 1 | Side 2 | Side 1 | Side 2 | Side 1 | Side 2 |
| GGB-1 | 997 (1) | 998 (1) | 997 (1) | 998 (1) | 997 (1) | 998 (1) |
| GGB-2 | 997 (1) | 998 (1) | 997 (1) | 998 (1) | 997 (1) | 998 (1) |
| GGB-3 | 997 (1) | 998 (1) | 997 (1) | 998 (1) | 997 (1) | 998 (1) |
| GGB-4 | 997 (1) | 998 (1) | 997 (1) | 998 (1) | 997 (1) | 998 (1) |
| GGB-5 | 998 (1) | 998 (1) | 998 (1) | 998 (1) | 998 (1) | 998 (1) |
| GGB-6 | 998 (1) | 998 (1) | 998 (1) | 998 (1) | 998 (1) | 998 (1) |
| GGB-7 | 998 (1) | 998 (1) | 998 (1) | 998 (1) | 998 (1) | 998 (1) |
| GGB-8 | 998 (1) | 998 (1) | 998 (1) | 998 (1) | 998 (1) | 998 (1) |
| GGB-3TN | 997 (1) | 998 (1) | 997 (1) | 998 (1) | 997 (1) | 998 (1) |
| GGB-6TN | 998 (1) | 998 (1) | 998 (1) | 998 (1) | 998 (1) | 998 (1) |

997 and 998 are Burdny die indexes

† Adaptor required when using ILC-15 Series tools

TYPE GGC

Features

- Manufactured from high strength copper alloy
- Clearly marked with wire size and die index
- Range taking
- Versatile
- Non-hazardous installation
- Prefilled with DE-OX® oxide inhibiting compound
- Temperature Rating 90° C
- UL Listed and CSA Certified for grounding and bonding

Benefits

- Provides maximum conductivity
- Provides easy identification and tooling recommendation
- Reduces inventory. Eight sizes cover a wire range from 500kcmil to #6, and 1/2" to 3/4" ground rods.
- Can be used as a tap connector or as a lap splice connector
- Can be installed in all types of weather with no need for protective equipment or clothing. Does not produce heat or dangerous particles.
- Prevents oxides from forming
- Ensures reliability
- For direct burial in earth or concrete

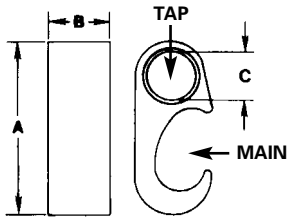


Fig. 1



Fig. 2

| Catalog Number | Figure Number | Wire Range | | Main Rebar | Main Ground Rod | Dimensions - in. (mm) | | | Die Index Number |
|----------------|---------------|------------------------------------|-------------------|------------|-----------------|-----------------------|------------|------------|------------------|
| | | Main | Tap | | | A | B | C | |
| GGC-1 | 1 | 2str-6sol | 2str-6sol | - | - | 1.40 (35.6) | .75 (19.1) | .33 (8.4) | 0 |
| GGC-2 | 1 | 250kcmil-1/0str 1/2 - 5/8 Rod | 2str-4sol | #3-4 | 1/2 - 5/8 | 2.10 (53.3) | .75 (19.1) | .33 (8.4) | 997 |
| GGC-3 | 1 | 250kcmil-1/0str 1/2 - 5/8 Rod | 2/0str-1/0str | #3-4 | 1/2 - 5/8 | 2.10 (53.3) | .75 (19.1) | .44 (11.2) | 997 |
| GGC-4 | 1 | 250kcmil-1/0str 1/2 - 5/8 Rod | 250kcmil-3/0str | #3-4 | 1/2 - 5/8 | 2.10 (53.3) | .75 (19.1) | .61 (15.5) | 997 |
| GGC-5 | 1 | 500kcmil-250kcmil 5/8 - 3/4 Rod | 2str-4sol | #5-6 | 5/8 - 3/4 | 2.60 (66.0) | .75 (19.1) | .33 (8.4) | 998 |
| GGC-6 | 1 | 500kcmil-250kcmil 5/8 - 3/4 Rod | 2/0str-1/0str | #5-6 | 5/8 - 3/4 | 2.60 (66.0) | .75 (19.1) | .44 (11.2) | 998 |
| GGC-7 | 1 | 500kcmil-250kcmil 5/8 - 3/4 Rod | 250kcmil-3/0str | #5-6 | 5/8 - 3/4 | 2.60 (66.0) | .75 (19.1) | .61 (15.5) | 998 |
| GGC-8 | 1 | 500kcmil-250kcmil 5/8 - 3/4 Rod | 500kcmil-350kcmil | #5-6 | 5/8 - 3/4 | 2.90 (73.7) | .75 (19.1) | .84 (21.3) | 999/1011 |
| GGC-9 | 2 | 250kcmil-1/0str 1/2 - 5/8 Rod | 6str-6sol | #3-4 | 1/2 - 5/8 | 2.60 (66.0) | .75 (19.1) | - | 997 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 467, UL File E34440

NOTE: Hydraulic tools required on all sizes except GGC-1 Dieless tools can not be used

The GGC Series compression ground tap connector can be used as a tap connector to connect copper ground wire to a copper clad ground rod or as a lap splice connector splicing copper conductors together. The GGC Series of compression connectors are pre-filled with inhibiting compound and are suitable for direct burial.

Notes:

1. ILSCO ILC-12 or ILC-15 Series Tools and ILD Series Dies may be used. Note: Adapter required when using ILC-15 Series Tool. Burndy tools and dies may also be used.
2. Perform a "pre-crimp" on ground rod prior to installing GGC connector. Use an indent type of die such as ILD-Precrimp.
3. When using #6 AWG solid wire in the tap side, fold conductor double prior to crimping.
4. When using GGC-4, if 3/0 conductor is used in the tap side, use a minimum of 2/0 conductor in the run side.

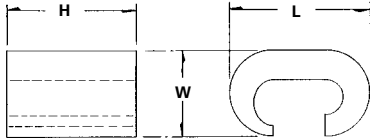
TYPE ULT

Features

- Manufactured from high conductivity copper alloy
- Clearly marked with wire size and die index
- Range taking
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90° C
- UL Listed and CSA Certified for grounding, bonding and power

Benefits

- Provides maximum conductivity and eliminates the possibility of corrosion
- Provides easy identification and tooling recommendation
- Reduces inventory
- Application versatility
- Direct Burial in earth or concrete



| Catalog Number | Copper Wire Range | | Die Index | Dimensions - in. (mm) | | |
|----------------|-------------------|---------------|-----------|-----------------------|--------------|--------------|
| | Main | Tap | | L | W | H |
| ULT-1-Z | 10str-12sol | 10str-12sol | 238 | .366 (9.3) | .279 (7.1) | .320 (8.1) |
| ULT-2-Z | 8str-8sol | 8str-10sol | 162 | .486 (12.3) | .353 (9.0) | .500 (12.7) |
| ULT-3-Z | 4str-6sol | 8str-8sol | BG or 5/8 | .735 (18.7) | .470 (11.9) | .615 (15.6) |
| ULT-4-Z | 4str-6sol | 6str-6sol | BG or 5/8 | .765 (19.4) | .460 (11.7) | .700 (17.8) |
| ULT-5-Z | 4str-6sol | 4str-4sol | BG or 5/8 | .830 (21.1) | .470 (11.9) | .700 (17.8) |
| ULT-6-Z | 2str-2sol | 4str-8sol | C | .990 (25.1) | .614 (15.6) | .830 (21.1) |
| ULT-7-Z | 2str-2sol | 2str-2sol | C | 1.047 (26.6) | .614 (15.6) | .826 (21.0) |
| ULT-8-Z | 2/0str-1/0sol | 2str-8sol | O | 1.350 (34.3) | .812 (20.6) | .925 (23.5) |
| ULT-9-Z | 2/0str-1/0sol | 2/0str-1/0sol | O | 1.350 (34.3) | .812 (20.6) | .925 (23.5) |
| ULT-10-Z | 4/0str-3/0sol | 2str-6sol | D3 | 1.628 (41.4) | 1.000 (25.4) | 1.075 (27.3) |
| ULT-11-Z | 4/0str-3/0sol | 2/0str-1/0sol | D3 | 1.628 (41.4) | 1.000 (25.4) | 1.075 (27.3) |
| ULT-12-Z | 4/0str-3/0str | 4/0str-3/0str | D3 | 1.610 (40.9) | 1.000 (25.4) | 1.200 (30.5) |

Tooling Information

| Catalog Number | ILSCO | Burndy |
|----------------|---|---|
| | ILC-12-N, TB-12U1000-P TM-12U1000, TR-12U1000 Die (No. of Crimps) | Y35, Y39, Y750 Series Y46/PAT46, PAT 750 Series Die (No. of Crimps) |
| ULT-1-Z | 238 (1) | 238 (1) |
| ULT-2-Z | 162 (1) | 162 (1) |
| ULT-3-Z | BG or 5/8 (1) | BG or 5/8 (1) |
| ULT-4-Z | BG or 5/8 (1) | BG or 5/8 (1) |
| ULT-5-Z | BG or 5/8 (1) | BG or 5/8 (1) |
| ULT-6-Z | C (1) | C (1) |
| ULT-7-Z | C (1) | C (1) |
| ULT-8-Z | O (1) | O (1) |
| ULT-9-Z | O (1) | O (1) |
| ULT-10-Z | D3 (1) | D3 (1) |
| ULT-11-Z | D3 (1) | D3 (1) |
| ULT-12-Z | D3 (1) | D3 (1) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Tested to UL 486A/B, UL File E6207

Tested to UL 467, UL File E6207

TYPE ELT

Features

- Manufactured from copper alloy
- Clearly marked with wire size and die index
- Range taking
- UL Listed and CSA Certified for grounding and bonding
- May be used in ground grid applications

Benefits

- Provides maximum conductivity
- Provides easy identification and tooling recommendation
- Reduces inventory
- For direct burial in earth or concrete
- Flexibility in application



| Catalog Number | Copper Wire Range | | Width - in. (mm) | Die Index | Rebar | | Main Ground Rod |
|----------------|-------------------|-------------------|------------------|---------------|-------|-------|-----------------|
| | Main | Tap | | | Main | Tap | |
| ELT-1 | 2str-6sol | 2str-6sol | .750 (19.1) | C (U Type) | - | - | - |
| ELT-4 | 2/0str-1str | 2str-6str | .750 (19.1) | O (U Type) | #3 | - | - |
| ELT-2 | 2/0str-1str | 2/0str-1str | .750 (19.1) | O (U Type) | #3 | #3 | - |
| ELT-5 | 250kcmil-3/0str | 2/0str-6sol | .750 (19.1) | 997 (U Type) | #4 | #3 | 1/2" |
| ELT-3 | 250kcmil-3/0str | 250kcmil-3/0str | .900 (22.9) | 997 (U Type) | #4 | #4 | 1/2" |
| ELT-6 | 500kcmil-300kcmil | 250kcmil-3/0str | .875 (22.2) | 1011 (U Type) | #6 | #3-#4 | 3/4" |
| ELT-7 | 500kcmil-300kcmil | 3/0str-6sol | .875 (22.2) | 1011 (U Type) | #5 | #3-#4 | 5/8" |
| ELT-8 | 500kcmil-300kcmil | 500kcmil-300kcmil | .875 (22.2) | 1011 (U Type) | #5-#6 | #5-#6 | 5/8" |

Tooling Information

| Catalog Number | ILSCO | | Burdny | | |
|----------------|--|--|-----------------------------------|-----------------------------------|-----------------------------|
| | ILC-12-N, ILC-12H-N, ILC-12, ILC-12H, ILC-14, ILC-14H, ILCB-12-N, ILCB-12-LIO, TB-12U1000-P, TM-12U1000, TR-12U1000 Die (No. of Crimps) | ILC-15H, ILC-15 Die (No. of Crimps) | Y-35, Y-45 Die (No. of Crimps) | Y-35, Y-45 Die (No. of Crimps) | Y-46 Die (No. of Crimps) |
| ELT-1 | ILD-C (1) | - | C (U Type) (1) | - | - |
| ELT-2 | ILD-O (1) | - | O (U Type) (1) | - | - |
| ELT-3 | ILD-U997 (1) | - | 997 (U Type) (1) | - | - |
| ELT-4 | ILD-O (1) | - | O (U Type) (1) | - | - |
| ELT-5 | ILD-U997 (1) | - | 997 (U Type) (1) | - | - |
| ELT-6 | ILD-U1011 (2) | ILD-P1011 (2) | - | 1011 (U Type) (2) | 1011 (U Type) (1) |
| ELT-7 | ILD-U1011 (2) | ILD-P1011 (2) | - | 1011 (U Type) (2) | 1011 (U Type) (1) |
| ELT-8 | ILD-U1011 (2) | ILD-P1011 (2) | - | 1011 (U Type) (2) | 1011 (U Type) (1) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG) See information sheet for complete information on tooling.
Tested to UL 467, UL File E34440

TYPE CGP

Features

- Cast copper alloy body
- Available in two and four hole NEMA spacing
- Underside tapped hole
- Pre-filled with De-Ox Inhibitor
- UL Listed for grounding and bonding

Benefits

- High strength, high conductivity
- Industry standard
- Ease of positioning
- Direct burial in earth or concrete

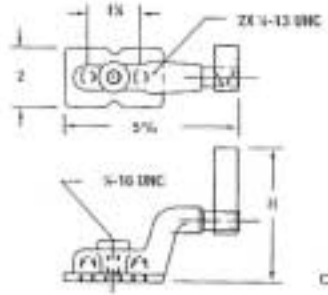


Fig. 1

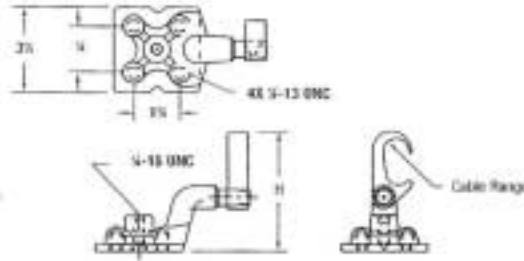


Fig. 2



| Catalog Number | Figure Number | Cable Range | H - in. (mm) | Dies |
|----------------|---------------|-------------------|----------------|----------|
| CGP2-2250 | 1 | 250kcmil-2 | 3-5/8 (92.1) | *15G86R |
| CGP4-2250 | 2 | 250kcmil-2 | 4-1/32 (102.4) | *15G86R |
| CGP2-250500 | 1 | 500kcmil-250kcmil | 3-5/8 (92.1) | *15G126R |
| CGP4-250500 | 2 | 500kcmil-250kcmil | 4-1/32 (102.4) | *15G126R |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

*T&B Dies

UL File E158587

G

Tooling Information:

*T&B Dies can be used in the following Thomas & Betts tools:

- TBM14M
- TBM14MC
- TBM14BSCR
- BPLT14BSCR
- BPLT14BSCRI
- 13100A
- TBM15I

TYPE CST CDT

Features

- Made of high conductivity copper
- Metal barrier separates conductor
- Generous chamfer
- UL Listed for grounding and bonding
- UL 467 Listed
- UL 486A/B Listed

Benefits

- Provides maximum conductivity
- Eliminating strand cutting
- Protects cable
- Direct burial in earth or concrete

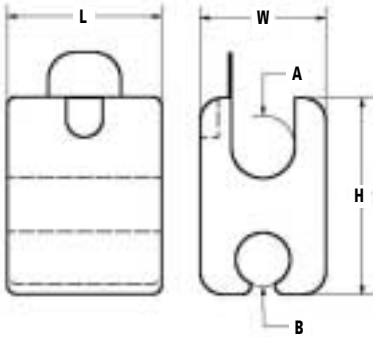
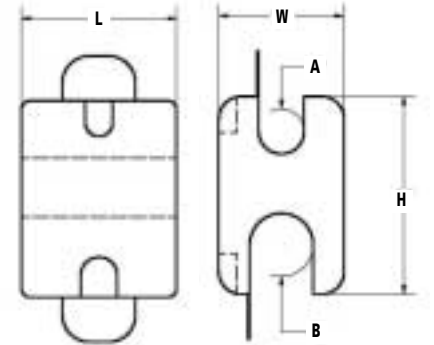


Fig. 1



Fig. 2



SINGLE TAB

| Catalog Number | Figure Number | Side A Main | Wire Diameter Range in. (mm) | Side B Tap | Wire Diameter Range in. (mm) | Dimensions - in. (mm) | | |
|----------------|---------------|---------------------|------------------------------|-----------------------------------|------------------------------|-----------------------|-------------|-------------|
| | | | | | | W | H | L |
| CST-301 | 1 | 6sol., 6str., 4sol. | .162-.204 (4.1 - 5.2) | 8sol., 8str., 6sol., 6str., 4sol. | .128-.204 (3.3 - 5.2) | .469 (11.9) | .734 (18.6) | .812 (20.6) |
| CST-302 | 1 | 4sol., 4str., 2sol. | .204-.258 (5.2 - 6.6) | 6sol., 6str., 4sol., 4str., 2sol. | .162-.258 (4.1 - 6.6) | .547 (13.9) | .823 (20.9) | .812 (20.6) |

DOUBLE TAB

| Catalog Number | Figure Number | Side A Main | Wire Diameter Range in. (mm) | Side B Tap | Wire Diameter Range in. (mm) | Dimensions - in. (mm) | | |
|----------------|---------------|-----------------------|------------------------------|----------------------------|------------------------------|-----------------------|--------------|--------------|
| | | | | | | W | H | L |
| CDT-399-8 | 2 | 6sol., 6str., 4sol. | .162-.204 (4.1 - 5.2) | 8sol., 6str., 4sol. | .128-.204 (3.3 - 5.2) | .484 (12.3) | .750 (19.1) | .812 (20.6) |
| CDT-398-8 | 2 | 4sol., 4str., 2sol. | .204-.258 (5.2 - 6.6) | 4sol., 4str., 2sol. | .204-.258 (5.2 - 6.6) | .547 (13.9) | .797 (20.2) | .812 (20.6) |
| CDT-304-8 | 2 | 2str., 1str., 1/0str. | .292-.375 (7.4 - 9.5) | 6sol., 4sol., 4str., 2sol. | .162-.258 (4.1 - 6.6) | .641 (16.3) | 1.120 (28.4) | .859 (21.8) |
| CDT-303-8 | 2 | 2str., 1str., 1/0str. | .292-.375 (7.4 - 9.5) | 2str., 1str., 1/0str. | .292-.375 (7.4 - 9.5) | .719 (18.3) | 1.120 (28.4) | .828 (21.0) |
| CDT-308-8 | 2 | 2/0str., 4/0str. | .419-.528 (10.6 - 13.4) | 2str., 1str., 1/0str. | .292-.375 (7.4 - 9.5) | .906 (23.0) | 1.406 (35.7) | 1.062 (27.0) |
| CDT-307-8 | 2 | 2/0str., 4/0str. | .419-.528 (10.6 - 13.4) | 2/0str., 4/0str. | .419-.528 (10.6 - 13.4) | .906 (23.0) | 1.375 (34.9) | 1.062 (27.0) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Tooling Information

| Catalog Number | Burndy | | Kearney | |
|----------------|--|--------------------------|--------------------------------|--------------------------|
| | Y35, Y35-2, BAT35, BAT35C, Y35BH, Y35BH-4, Y35L, Y39, Y38BH, Y750, Y750-2, BAT750, BAT750C, Y750BH, Y46, YA46C Die (No. of Crimps) | MD-6 Die (No. of Crimps) | WH-1, WH-2 Die (No. of Crimps) | O-52 Die (No. of Crimps) |
| CST-301 | U-BG (1); U-243 (1) | W-BG (1) | B-K-T (1) | T (1) |
| CST-302 | U-BG (1); U-243 (1) | W-KK (1) | B-K-T (1) | K (1) |
| CDT-399-8 | U-BG (1); U-243 (1) | W-BG (1) | B-K-T (1) | T (1) |
| CDT-398-8 | U-BG (1); U-243 (1) | W-KK (1) | B-K-T (1) | K (1) |
| CDT-304-8 | U-O (1) | - | O (1) | - |
| CDT-303-8 | U-O (1) | - | O (1) | - |
| CDT-308-8 | U-D3 (1) | - | D (1) | - |
| CDT-307-8 | U-D3 (1) | - | D (1) | - |

TYPE TWCT

Features

- Manufactured from high conductivity copper
- Marked with wire size, die index and part number
- Range taking
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL and CUL Listed for grounding, bonding and power
- Bright dip finish

Benefits

- Provides maximum conductivity and low contact resistance
- Clear and easy identification
- Reduces stocking inventory
- Application versatility
- Direct burial in earth or concrete
- Resist corrosion and oxidization

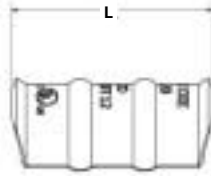
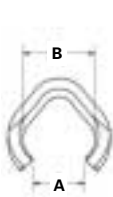


Fig. 1



Fig. 2



Fig. 3

| Catalog Number | Figure Number | Accommodates | | Dimensions - in. (mm) | | | Die Color Code |
|----------------|---------------|-----------------|---------------|-----------------------|--------------|--------------|----------------|
| | | Run | Tap | A | B | L | |
| TWCTR10T16 | 1 | 14 | 16-14 | 0.130 (3.3) | 0.190 (4.8) | 0.420 (10.7) | Red |
| | | 12 | 16-14 | | | | |
| | | 10 | 14 | | | | |
| TWCTR8T12 | 1 | 10 | 10 | 0.155 (3.9) | 0.250 (6.4) | 0.620 (15.7) | Blue |
| | | 8 | 12 | | | | |
| TWCTR6T12 | 1 | 8 | 10-8 | 0.235 (6.0) | 0.325 (8.3) | 0.620 (15.7) | Gray |
| | | 6 | 12-10 | | | | |
| TWCTR4T12 | 2 | 6 | 8-6 | 0.235 (6.0) | 0.405 (10.3) | 1.210 (30.7) | Brown |
| | | 5,4 | 12-8 | | | | |
| TWCTR3T12 | 2 | 5,4 | 6-5 | 0.260 (6.6) | 0.487 (12.4) | 1.206 (30.6) | Green |
| | | 3 | 12-6 | | | | |
| | | 4 | 4 | | | | |
| TWCTR2T12 | 2 | 3 | 5 | 0.297 (7.5) | 0.515 (13.1) | 1.210 (30.7) | Pink |
| | | 2 | 12-6 | | | | |
| | | 3 | 4-3 | | | | |
| TWCTR1T12 | 3 | 2 | 5-4 | 0.339 (8.6) | 0.568 (14.4) | 1.750 (44.5) | Black |
| | | 1 | 12-5 | | | | |
| | | 2str. 2sol. | 2str. 2sol. | | | | |
| TWCTR1/0T12 | 3 | 2sol. | 3str. 3sol. | 0.375 (9.5) | 0.645 (16.4) | 1.750 (44.5) | Orange |
| | | 1str. 1sol. | 4str. 4sol. | | | | |
| | | 1/0str. 1/0sol. | 3str. 3sol. | | | | |
| | | | 12str. 12sol. | | | | |
| TWCTR2/0T12 | 3 | 1 | 2-1 | 0.420 (10.7) | 0.755 (19.2) | 1.750 (44.5) | Purple |
| | | 1/0 | 3-2 | | | | |
| | | 2/0 | 12-3 | | | | |
| | | 1/0 | 1-1/0 | | | | |
| TWCTR3/0T12 | 3 | 2/0 | 2-1 | 0.470 (11.9) | 0.830 (21.1) | 1.750 (44.5) | Yellow |
| | | 3/0 | 12-2 | | | | |
| | | | | | | | |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Tested to UL 486A/B, UL File E6207

Tested to UL 467, UL File E6207

Tin plated versions can be made available. Contact Customer Care for price and availability

TYPE TWCT

Features

- Manufactured from high conductivity copper
- Marked with wire size, die index and part number
- Range taking
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL and CUL Listed for grounding, bonding and power
- Bright dip finish

Benefits

- Provides maximum conductivity and low contact resistance
- Clear and easy identification
- Reduces stocking inventory
- Application versatility
- Direct burial in earth or concrete
- Resist corrosion and oxidization

| Catalog Number | Die Color Code | Wire Strip Length in. | ILSCO Tools | Installation Tooling - Burndy | | | | Thomas & Betts | | Panduit | |
|----------------|----------------|-----------------------|--------------------------------------|---|--|--|--|---|---|--|---|
| | | | Mechanical | Mechanical | Hydraulic | | Mechanical Tools | | Hand | Hydraulic | |
| | | | ILC-10N Die Color Code (# crimps) | Y1MR, Y1MR-TC Die Color Code Index# (# crimps) | Y500CT series, PAT600 series, PATMD6 series Die No. Index# (# crimps) | Y500CT series, PAT600 series, PATMD6 series Die No. Index# (# crimps) | Y35 series, Y39 series, Y750 series, Y45, Y46 Die No. Index# (# crimps) | TBM25S, TBM45S, TBM21E, TBM41E Die Color Code (# crimps) | TBM5/5S, TBM6/6S, TBM8/8S Die Color Code Index# (# crimps) | CT-1700 Die Color Code/ Index# (# crimps) | CT-2001, CT-2002 Die No. Die Color Code/ Index# (# crimps) |
| TWCTR10T16 | Red | 1/2 | - | - | W8CVT 49 (1) | - | - | - | Red Nest 21 (1) | - | CD-2001-8 Red P21 (1) |
| TWCTR8T12 | Blue | 3/4 | Blue (1) | Blue 7 (1) | W5CVT 7 (1) | - | - | Blue Nest (1) | Blue Nest 24 (1) | Blue P24 (1) | CD-2001-6 Blue P24 (1) |
| TWCTR6T12 | Gray | 3/4 | Gray (2) | Gray 8 (2) | W4CVT 8 (1) | - | - | Gray Nest (2) | Gray Nest 29 (2) | Gray P29 (2) | CD-2001-4 Gray P29 (1) |
| TWCTR4T12 | Brown | 1-3/8 | - | - | W2CVT 10 (2) | WC4 10M (1) | UC4 10M (1) | - | Brown Nest 33 (2) | Brown P33 (2) | CD-2001-2 Brown P33 (2) |
| TWCTR3T12 | Green | 1-3/8 | - | - | W1CVT 11 (2) | - | - | - | Green Nest 37 (2) | - | CD-2001-1 Green P37 (2) |
| TWCTR2T12 | Pink | 1-3/8 | - | - | W25VT 12 (2) | WC2 12M (1) | UC2 12M (1) | - | Pink Nest 42 (2) | - | CD-2001-1/0 Pink P42 (2) |
| TWCTR1T12 | Black | 1-7/8 | - | - | W26VT 13 (3) | WC1 13M (2) | UC1 13M (1) | - | Black Nest 45 (3) | - | CD-2001-2/0 Black P45 (3) |
| TWCTR1/0T12 | Orange | 1-7/8 | - | - | W27VT 14 (3) | WC25 14M (2) | UC25 14M (1) | - | Orange Nest 50 (3) | - | CD-2001-3/0 Orange P50 (3) |
| TWCTR2/0T12 | Purple | 1-7/8 | - | - | W28VT 15 (3) | - | UC26 (1) | - | Purple Nest 54 (3) | - | CD-2001-4/0 Purple P54 (3) |
| TWCTR3/0T12 | Yellow | 1-7/8 | - | - | W29VT 16 (3) | - | - | - | - | - | CD-2001-250 Yellow P62 (3) |



TYPE CGRC

Features

- Manufactured from bronze alloy
- Supplied with stainless steel hardware
- UL 467 Listed for direct burial and CSA Certified

Benefits

- Ensures maximum strength and durability
- Suitable for direct burial in earth or concrete
- Ensures a safe and reliable grounding connection



| Catalog Number | Ground Rod | | Rebar | | Dimensions - in. (mm) | | |
|----------------|------------|------------|-------|------------|-----------------------|--------------|--------------|
| | Size | Wire Range | Size | Wire Range | W | H | L |
| CGRC-38 + | 3/8 | 4-10 | #3 | 4-10 | 0.472 (12.0) | 1.025 (26.0) | 0.695 (17.7) |
| CGRC-48 | 1/2 | 2-10 | #4 | 2-10 | 0.615 (15.6) | 1.220 (31.0) | 0.775 (19.7) |
| CGRC-58 | 5/8 | 2-10 | #5 | 4-10 | 0.625 (15.9) | 1.370 (34.8) | 0.930 (23.6) |
| CGRC-68 | 3/4 | 2-10 | #6 | 4-10 | 0.645 (16.4) | 1.543 (39.2) | 1.118 (28.4) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

+ CGRC-38 is not UL Listed

Tested to UL 467, UL File E34440

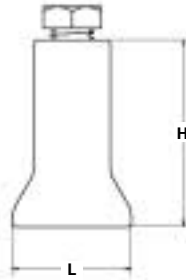
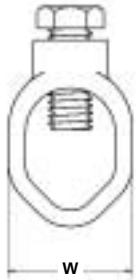
TYPE BGRC

Features

- Manufactured from cast bronze
- Supplied with silicone bronze hardware
- UL 467 Listed for direct burial and CSA Certified

Benefits

- Ensures maximum strength and durability
- Suitable for direct burial in earth or concrete
- Ensures a safe and reliable grounding connection



| Catalog Number | Ground Rod | | Rebar | | Dimensions - in. (mm) | | |
|----------------|------------|------------|-------|------------|-----------------------|--------------|--------------|
| | Size | Wire Range | Size | Wire Range | W | H | L |
| BGRC-48 | 1/2 | 2-10 | - | - | 0.892 (22.7) | 1.270 (32.3) | 0.822 (26.2) |
| BGRC-58 | 5/8 | 1/0-8 | #5 | 1/0-8 | 1.031 (26.2) | 1.428 (36.3) | 0.925 (23.5) |
| BGRC-68 | 3/4 | 1/0-8 | - | - | 1.031 (26.2) | 1.550 (39.4) | 1.040 (27.2) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 467, UL File E34440

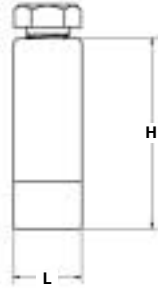
TYPE SRC

Features

- Manufactured from bronze alloy
- Supplied with stainless steel hardware
- UL 467 Listed for direct burial and CSA Certified
- Range taking

Benefits

- Ensures maximum strength and superior conductivity
- Suitable for direct burial in earth or concrete
- Ensures a safe and reliable grounding connection
- Reduces inventory requirement



| Catalog Number | Ground Rod | | Dimensions - in. (mm) | | |
|----------------|----------------|------------------|-----------------------|--------------|--------------|
| | Size | Wire Range | W | H | L |
| SRC-1/0 | 3/8*, 1/2, 5/8 | 1/0 str - 10 sol | 0.892 (22.7) | 1.270 (32.3) | 0.750 (19.1) |
| | 3/4 | 1/0 str - 8 sol | 0.590 (15.0) | 1.666 (42.3) | 1.031 (26.2) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

*SRC-1/0 is not UL Listed with a 3/8" ground rod

Tested to UL 467, UL File E34440

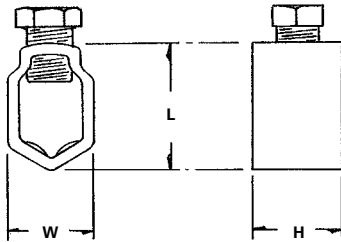
TYPE GRC

Features

- Manufactured from seamless bronze tubing
- Supplied with silicon bronze screw
- Suitable for grounding and bonding in applications such as swimming pools and spas
- Copper conductor only

Benefits

- Provides maximum strength and superior conductivity
- Ground rod clamp is suitable for direct burial in earth or concrete



| Catalog Number | Ground Rod Size | Ground Wire Range | Rebar Size | Rebar Wire Range | Dimensions | |
|----------------|-----------------|---------------------------------------|------------|------------------|------------|--------|
| | | | | | L | W |
| GRC-38 | 3/8 | 4-10 | #3 | 4-10 | 5/8 | 5/8 |
| GRC-58+ | 5/8 | 2-8 | - | - | 15/16 | 7/8 |
| GRC-68 | 3/4, 5/8 | 2-8 for 3/4 rod, 1/0-8 for 5/8 rod | #5 | 1/0-8 | 1 | 1 |
| GRC-75* | 3/4 | 3/0-8 | - | - | 3/4 | 1-5/32 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Plain copper finish.
+ RUS Listed.
* Not UL Listed
Tested to UL 467, UL File E34440

TYPE RLT

Features

- UL Listed and CSA certified for direct burial in earth or concrete
- Range taking
- Manufactured from high strength copper alloy
- Prefilled with DE-OX® oxide inhibitor compound and bagged
- Clearly marked with wire size and die index

Benefits

- Ensures reliability
- Reduces inventory
- Provides maximum conductivity and eliminates the possibility of corrosion
- Prevents oxides from forming
- Provides easy identification and tooling recommendations



Fig. 1



Fig. 2



Fig. 3

| Catalog Number | Figure Number | Ground Rod Size | Wire Range | Die Index | Dimensions - in. (mm) | |
|----------------|---------------|-----------------|---------------------|-----------|-----------------------|--------------|
| | | | | | H | L |
| RLT-2 | 1 | 1/2 | 2/0 - 2 | 998/1011 | 1.940 (49.3) | 0.880 (22.4) |
| RLT-3 | 1 | 5/8 | 2/0 - 2 | 998/1011 | 1.970 (50.0) | 0.880 (22.4) |
| RLT-4 | 1 | 3/4 | 2/0 - 2 | 998/1011 | 2.190 (55.6) | 0.880 (22.4) |
| RLT-10 | 1 | 1 | 2/0 - 2 | 998/1011 | 2.440 (62.0) | 0.880 (22.4) |
| RLT-5 | 1 | 1/2 | 250kcmil - 4/0 | 998/1011 | 1.940 (49.3) | 0.880 (22.4) |
| RLT-6 | 1 | 5/8 | 250kcmil - 4/0 | 998/1011 | 2.140 (54.4) | 0.880 (22.4) |
| RLT-7 | 1 | 3/4 | 250kcmil - 4/0 | 998/1011 | 2.190 (55.6) | 0.880 (22.4) |
| RLT-11 | 1 | 1 | 250kcmil - 4/0 | 998/1011 | 2.570 (65.3) | 0.880 (22.4) |
| RLT-8 | 1 | 5/8 | 500kcmil - 300kcmil | 998/1011 | 2.140 (54.4) | 0.880 (22.4) |
| RLT-9 | 1 | 3/4 | 500kcmil - 300kcmil | 998/1011 | 2.440 (62.0) | 0.880 (22.4) |
| RLT-12 | 1 | 1 | 500kcmil - 300kcmil | 998/1011 | 2.680 (68.1) | 0.880 (22.4) |
| RLT-13 | 2 | 5/8 | 2 SOL | 998/1011 | 2.140 (54.4) | 0.880 (22.4) |
| RLT-4TN* | 3 | 3/4 | 2/0 - 2 | 998/1011 | 2.191 (55.7) | 0.875 (22.2) |
| RLT-7TN* | 3 | 3/4 | 250kcmil - 4/0 | 998/1011 | 2.191 (55.7) | 0.875 (22.2) |
| RLT-8TN* | 3 | 5/8 | 500kcmil - 300kcmil | 998/1011 | 2.142 (54.4) | 0.875 (22.2) |
| RLT-9TN* | 3 | 3/4 | 500kcmil - 300kcmil | 998/1011 | 2.432 (61.8) | 0.875 (22.2) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Tested to UL 467, UL File E34440

* All suffix "TN" parts electro-tin plated; to be specifically used with galvanized steel ground rod. The ground rod hole diameter is larger to suit galvanized steel.

TYPE RLT

Features

- UL Listed and CSA certified for direct burial in earth or concrete
- Range taking
- Manufactured from high strength copper alloy
- Prefilled with DE-OX® oxide inhibitor compound and bagged
- Clearly marked with wire size and die index

Benefits

- Ensures reliability
- Reduces inventory
- Provides maximum conductivity and eliminates the possibility of corrosion
- Prevents oxides from forming
- Provides easy identification and tooling recommendations

| Catalog Number | ILSCO | | | | Competitor's Tooling | | | | | | | |
|----------------|---|----------|-----------------------------|----------|---|----------|-------------------------------------|----------|--|----------|---------------------------------------|----------|
| | Hydraulic Tools | | | | Burndy | | | | Thomas & Betts | | | |
| | 12-Ton | | 15-Ton | | 12-Ton | | 15-Ton | | 12-Ton | | 15-Ton | |
| | ILC-12-N, ILC-12H-N, ILCB-12-LIO (No. of Crimps) | | ILC-15-H (No. of Crimps) | | Y750, PAT750XT, Y750BH (No. of Crimps) | | Y46, Y46C, PAT46 (No. of Crimps) | | TBM14M, TBM14MC, TBM14BSCR, BPLT14BSCR, BPLT14BSCRI, 13100A (No. of Crimps) | | TBM15I, BPLT15BSCR (No. of Crimps) | |
| | Die 998 | Die 1011 | Die 998 | Die 1011 | Die 998 | Die 1011 | Die 998 | Die 1011 | Die 998 | Die 1011 | Die 998 | Die 1011 |
| RLT-2 | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) |
| RLT-3 | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) |
| RLT-4 | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) |
| RLT-5 | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) |
| RLT-6 | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) |
| RLT-7 | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) |
| RLT-8 | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) |
| RLT-9 | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) |
| RLT-10 | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) |
| RLT-11 | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) |
| RLT-12 | (1) | - | - | (2) | (1) | (2) | - | (2) | (1) | (2) | (1) | (2) |
| RLT-13 | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) |
| RLT-4TN | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) |
| RLT-7TN | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) |
| RLT-8TN | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) |
| RLT-9TN | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) |

Notes:

1. The RLT Series of compression connectors are designed to connect a copper ground conductor to a copper clad ground rod.
2. The RLT Series of compression connectors are pre-filled with inhibiting compound and are suitable for direct burial.
3. It is recommended to rough up the end of the ground rod where RLT is to be placed. This provides good rotational resistance. Perform a "pre-crimp" on ground rod prior to installing RLT connector. Use an indent type of dies such as Burndy's U2CABT (Die Index #348) or UPRECRIMP-12, -58, -34.*
4. The RLT Series may be rotated around the rod to any desired position before crimping.

* "UPRECRIMP" and "U2CABT" are registered trademarks TM of Burndy/FCI



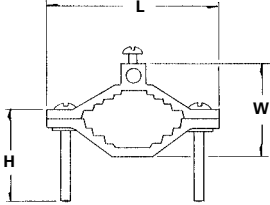
TYPE
DCGC

Features

- Manufactured from die cast zinc alloy
- Assembled with zinc plated steel hardware
- Copper conductor only

Benefits

- Provides maximum durability while providing economy
- Provides corrosion resistance



| Catalog Number | Conduit Size | Ground Wire Range | L | W | H |
|----------------|--------------|-------------------|---------|-------|-------|
| DCGC-1 | 1/2, 3/4, 1 | 2-8 | 2-13/64 | 1-3/8 | 1-1/2 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E158587

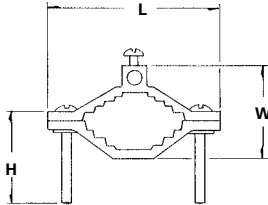
TYPE BGC

Features

- Manufactured from cast brass
- Type BGC-DB supplied with stainless steel or silicon bronze hardware
- Copper conductor only

Benefits

- Provides maximum conductivity and strength
- BGC-1DB and BGC-2DB are suitable for direct burial in earth or concrete. Can be used to ground swimming pools and spas.



| Catalog Number | Pipe Size | Ground Wire Range | Dimensions | | |
|----------------|-----------------|-------------------|------------|--------|-------|
| | | | L | W | H |
| BGC-1 | 1/2, 3/4, 1 | 2-10 | 2-9/32 | 1-7/16 | 1-1/2 |
| BGC-2 | 1-1/4, 1-1/2, 2 | 2-10 | 3-9/16 | 2-1/4 | 2 |
| BGC-1DB* | 1/2, 3/4, 1 | 2-10 | 2-9/32 | 1-7/16 | 1-1/2 |
| BGC-2DB* | 1-1/4, 1-1/2, 2 | 2-10 | 3-8/16 | 2-1/4 | 2 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* Suitable for direct burial in earth or concrete.

UL File E158587

TYPE BGC

Features

- Manufactured from cast bronze
- Versatile
- Copper conductor only

Benefits

- Provides maximum conductivity and strength
- Type BGC supplied with conduit hub for 1/2"-1" rigid conduit; type BGC-A can be used for bare or armoured cable

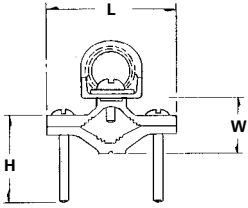


Fig. 1

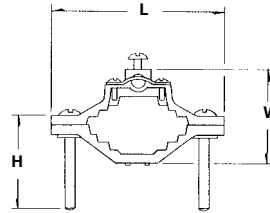


Fig. 2

| Catalog Number | Figure Number | Pipe Size | Conduit Hub Size | Wire Range | Dimensions | | |
|----------------|---------------|-----------|------------------|------------|------------|--------|---------|
| | | | | | H | W | L |
| BGC1-50 | 1 | 1/2-1 | 1/2 | 4str-8sol | 1-1/2 | 1-1/32 | 2-1/4 |
| BGC1-75 | 1 | 1/2-1 | 3/4 | 4str-8sol | 1-1/2 | 1-1/32 | 2-1/4 |
| BGC1-10 | 1 | 1/2-1 | 1 | 4str-8sol | 1-1/2 | 1-1/32 | 2-1/4 |
| BGC2-50 | 1 | 1-1/4-2 | 1/2 | 4str-8sol | 2 | 1-3/4 | 3-19/32 |
| BGC2-75 | 1 | 1-1/4-2 | 3/4 | 4str-8sol | 2 | 1-3/4 | 3-19/32 |
| BGC2-10 | 1 | 1-1/4-2 | 1 | 4str-8sol | 2 | 1-3/4 | 3-19/32 |
| BGC-1A* | 2 | 1/2-1 | - | 4str-8sol | 1-1/2 | 1-3/8 | 2-1/4 |
| BGC-2A | 2 | 1-1/4-2 | - | 4str-8sol | 2 | 2-3/32 | 3-19/32 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
* CSA Certified
UL File E158587

G

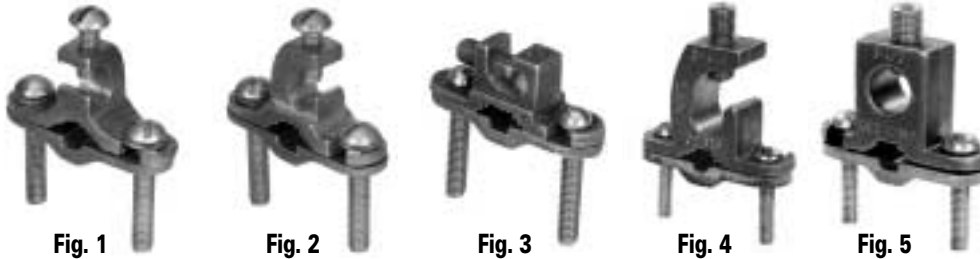
TYPE BGDB

Features

- Manufactured from bronze alloy
- UL Listed for direct burial in earth or concrete
- Lay-In feature

Benefits

- Ensures maximum strength and superior conductivity
- Ensures reliability
- Reduces installation time



| Catalog Number | Figure Number | Pipe Size | Rebar Size | Ground Rod Size | Ground Wire Range | Screw Material | Dimensions | |
|----------------|---------------|-----------|------------|-----------------|-----------------------|-----------------|------------|-------|
| | | | | | | | L | W |
| BGC-2T-DB* | 1 | 1/2-1 | 3/8-1 | 1/2-1 | 2str-10sol | silicon bronze | 2-3/4 | 2-1/4 |
| BGC-2P-DB* | 2 | 1/2-1 | 3/8-1 | 1/2-1 | 2str-10sol | silicon bronze | 2-3/4 | 2-1/4 |
| BGC-2PS-DB+ | 3 | 1/2-1 | 3/8-1 | 1/4-1 | 2str-10sol 2 #8sol | stainless steel | 2-1/4 | 2-1/4 |
| BGC-4/0P-DB=## | 4 | 1/2-1 | 3/8-1 | 1/2-1 | 4/0-8str | stainless steel | 3 | 2-1/4 |
| BGC-4/0S-DB=## | 5 | 1/2-1 | 3/8-1 | 1/2-1 | 4/0-8str | stainless steel | 2-3/4 | 2-1/4 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* UL File E207816

+ UL File E198108

= UL File E178441

Not RoHS compliant

TYPE BGCS

Features

- UL Listed and CSA Certified
- Conduit hub for 1/2" thru 1" rigid conduit
- Zinc plated screws
- ETP copper strap
- For copper conductor only

Benefits

- Ensures reliability
- Range taking
- Corrosion resistance
- Protects conduit system from vibrations and provides maximum conductivity



| Catalog Number | Figure Number | Water Pipe Range | Conduit Hub Size | Ground Wire Range |
|----------------|---------------|------------------|------------------|-------------------|
| CH-1 | 1 | - | 1 | 3/0 AWG - 10sol |
| CH-34 | 1 | - | 3/4 | 2/0 AWG - 10sol |
| J2124 | 2 | 2-1/2-4 | - | 4str - 10sol |
| J6 | 2 | 4-1/2-6 | - | 4str - 10sol |
| BGC-1-50S | 3 | 1/2-1 | 1/2 | 8sol - 4str |
| BGC-1-75S | 3 | 1/2-1 | 3/4 | 8sol - 4str |
| BGC-1-10S | 3 | 1/2-1 | 1 | 8sol - 4str |
| BGC-1-50SH | 4 | 1/2-1 | 1/2 | 2/0 - 10 |
| BGC-1-75SH | 4 | 1/2-1 | 3/4 | 2/0 - 10 |
| BGC-1-10SH | 4 | 1/2-1 | 1 | 2/0 - 10 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E207816

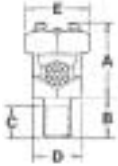
TYPE SPS

Features

- Range taking
- Re-usable
- UL 486A/B and UL 467 Listed
- For grounding of steel structures, fence posts and tapping cables from bus bar
- For copper to copper connections

Benefits

- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Ensures reliability
- Flexibility in the field



| Catalog Number | Conductor Range AWG MM ² | | | | Maximum Diameter Range | Stud Size | Dimensions | | | | |
|----------------|-------------------------------------|--------------------------|------------------------|------------------------|------------------------|----------------|------------|-------|-------|--------|---------|
| | Stranded | | Solid | | | | A | B | C | D | E |
| | Max. | Min. | Max. | Min. | | | | | | | |
| SPSS-0 | 8 | 12 (4mm ²) | 8 (10mm ²) | 12 (4mm ²) | .146-.080 | 1/4-20 x 1/2 | 11/16 | 1/2 | 23/64 | 15/32 | 1/2 |
| SPSS-1 | 7 (10mm ²) | 10 (6mm ²) | 6 (10mm ²) | 10 (6mm ²) | .170-.102 | 1/4-20 x 1/2 | 13/16 | 1/2 | 23/64 | 15/32 | 21/32 |
| SPSS-2 | 5 (16mm ²) | 10 (6mm ²) | 4 (16mm ²) | 10 (6mm ²) | .217-.102 | 5/16-18 x 5/8 | 15/16 | 5/8 | 25/64 | 17/32 | 23/32 |
| SPSS-3 | 3 (25mm ²) | 10 (6mm ²) | 2 (35mm ²) | 10 (6mm ²) | .271-.102 | 3/8-16 x 5/8 | 1/2 | 5/8 | 29/64 | 5/8 | 25/32 |
| SPSS-4 | 1 (35mm ²) | 8 (6mm ²) | 2 (35mm ²) | 8 (10mm ²) | .332-.128 | 3/8-16 x 5/8 | 1-1/16 | 5/8 | 29/64 | 11/16 | 7/8 |
| SPSS-5 | 1/0 (50mm ²) | 2 (35mm ²) | 2 (35mm ²) | - | .385-.258 | 1/2-13 x 3/4 | 1-1/4 | 3/4 | 37/64 | 3/4 | 15/16 |
| SPSS-6 | 2/0 (70mm ²) | 2 (35mm ²) | 2 (35mm ²) | - | .443-.258 | 1/2-13 x 3/4 | 1-13/32 | 3/4 | 37/64 | 7/8 | 1-1/16 |
| SPSS-8 | 4/0 (95mm ²) | 1 (35mm ²) | - | - | .570-.289 | 5/8-11 x 1 | 1-9/16 | 1 | 51/64 | 1 | 1-5/16 |
| SPSS-9 | 350 (150mm ²) | 1/0 (70mm ²) | - | - | .715-.373 | 5/8-11 x 1 | 2 | 1-1/4 | 51/64 | 1-5/16 | 1-11/16 |
| SPSS-10 | 500 (240mm ²) | 3/0 (95mm ²) | - | - | .840-.464 | 3/4-10 x 1-1/4 | 2-1/4 | 1-3/4 | 63/64 | 1-1/2 | 1-7/8 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E158587

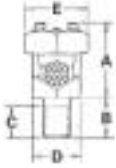
TYPE SPS

Features

- Range taking
- Re-usable
- UL 486A/B and UL 467 Listed
- For grounding of steel structures, fence posts and tapping cables from bus bar
- For copper to copper connections

Benefits

- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Ensures reliability
- Flexibility in the field



| Catalog Number | Conductor Range AWG MM ² | | | | Maximum Diameter Range | Stud Size | Dimensions | | | | |
|----------------|-------------------------------------|--------------------------|------------------------|------------------------|------------------------|----------------|------------|-------|---------|-------|--------|
| | Stranded | | Solid | | | | A | B | C | D | E |
| | Max. | Min. | Max. | Min. | | | | | | | |
| SPSL-0 | 8 | 12 (4mm ²) | 8 (10mm ²) | 12 (4mm ²) | .146-.080 | 1/4-20 x 1 | 11/16 | 1 | 55/64 | 15/32 | 1/2 |
| SPSL-1 | 7 (10mm ²) | 10 (6mm ²) | 6 (10mm ²) | 10 (6mm ²) | .170-.102 | 1/4-20 x 1 | 13/16 | 1 | 55/64 | 15/32 | 21/32 |
| SPSL-2 | 5 (16mm ²) | 10 (6mm ²) | 4 (16mm ²) | 10 (6mm ²) | .217-.102 | 5/16-18 x 1 | 15/16 | 1 | 53/64 | 17/32 | 23/32 |
| SPSL-3 | 3 (25mm ²) | 10 (6mm ²) | 2 (35mm ²) | 10 (6mm ²) | .271-.102 | 3/8-16 x 1-1/8 | 1/2 | 1-1/8 | 61/64 | 5/8 | 25/32 |
| SPSL-4 | 1 (35mm ²) | 8 (6mm ²) | 2 (35mm ²) | 8 (10mm ²) | .332-.128 | 3/8-16 x 1-1/8 | 1-1/16 | 1-1/8 | 61/64 | 11/16 | 7/8 |
| SPSL-5 | 1/0 (50mm ²) | 2 (35mm ²) | 2 (35mm ²) | - | .385-.258 | 1/2-13 x 1-1/4 | 1-1/4 | 1-1/4 | 1-5/64 | 3/4 | 15/16 |
| SPSL-6 | 2/0 (70mm ²) | 2 (35mm ²) | 2 (35mm ²) | - | .443-.258 | 1/2-13 x 1-1/4 | 1-13/32 | 1-1/4 | 1-5/64 | 7/8 | 1-1/16 |
| SPSL-8 | 4/0 (95mm ²) | 1 (35mm ²) | - | - | .570-.289 | 5/8-11 x 1-1/2 | 1-9/16 | 1-1/2 | 1-19/64 | 1 | 1-5/16 |
| SPSL-10 | 500 (240mm ²) | 3/0 (95mm ²) | - | - | .840-.464 | 3/4-10 x 1-3/4 | 2-1/4 | 1-1/2 | 1-31/64 | 1-1/2 | 1-7/8 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E158587

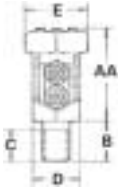
TYPE SPD

Features

- Range taking
- Re-usable
- UL 486A/B and UL 467 Listed
- For grounding of steel structures, fence posts and tapping cables from bus bar
- For copper to copper connections

Benefits

- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Ensures reliability
- Flexibility in the field



| Catalog Number | Conductor Range AWG MM ² | | | | Maximum Diameter Range | Stud Size | Dimensions | | | | |
|----------------|-------------------------------------|--------------------------|------------------------|------------------------|------------------------|----------------|------------|-------|-------|--------|---------|
| | Stranded | | Solid | | | | AA | B | C | D | E |
| | Max. | Min. | Max. | Min. | | | | | | | |
| SPDS-0 | 8 | 12 (4mm ²) | 8 (10mm ²) | 12 (4mm ²) | .146-.080 | 1/4-20 x 1/2 | 13/16 | 1/2 | 23/64 | 15/32 | 1/2 |
| SPDS-1 | 7 (10mm ²) | 10 (6mm ²) | 6 (10mm ²) | 10 (6mm ²) | .170-.102 | 1/4-20 x 1/2 | 31/32 | 1/2 | 23/64 | 15/32 | 21/32 |
| SPDS-2 | 5 (16mm ²) | 10 (6mm ²) | 4 (16mm ²) | 10 (6mm ²) | .217-.102 | 5/16-18 x 5/8 | 1-1/8 | 5/8 | 25/64 | 17/32 | 23/32 |
| SPDS-3 | 3 (25mm ²) | 10 (6mm ²) | 2 (35mm ²) | 10 (6mm ²) | .271-.102 | 3/8-16 x 5/8 | 1-1/4 | 5/8 | 29/64 | 5/8 | 25/32 |
| SPDS-4 | 1 (35mm ²) | 8 (6mm ²) | 2 (35mm ²) | 8 (10mm ²) | .332-.128 | 3/8-16 x 5/8 | 1-3/8 | 5/8 | 29/64 | 11/16 | 7/8 |
| SPDS-5 | 1/0 (50mm ²) | 2 (35mm ²) | 2 (35mm ²) | - | .385-.258 | 1/2-13 x 3/4 | 1-19/32 | 3/4 | 37/64 | 3/4 | 15/16 |
| SPDS-6 | 2/0 (70mm ²) | 2 (35mm ²) | 2 (35mm ²) | - | .443-.258 | 1/2-13 x 3/4 | 1-13/16 | 3/4 | 37/64 | 7/8 | 1-1/16 |
| SPDS-8 | 4/0 (95mm ²) | 1 (35mm ²) | - | - | .570-.289 | 5/8-11 x 1 | 2-1/16 | 1 | 51/64 | 1 | 1-5/16 |
| SPDS-9 | 350 (150mm ²) | 1/0 (70mm ²) | - | - | .715-.373 | 5/8-11 x 1 | 2-3/4 | 1-1/4 | 51/64 | 1-5/16 | 1-11/16 |
| SPDS-10 | 500 (240mm ²) | 3/0 (95mm ²) | - | - | .840-.464 | 3/4-10 x 1-1/4 | 3-1/8 | 1-3/4 | 63/64 | 1-1/2 | 1-7/8 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E158587

G

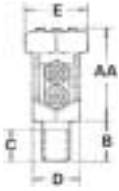
TYPE SPD

Features

- Range taking
- Re-usable
- UL 486A/B and UL 467 Listed
- For grounding of steel structures, fence posts and tapping cables from bus bar
- For copper to copper connections

Benefits

- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Ensures reliability
- Flexibility in the field



| Catalog Number | Conductor Range AWG MM ² | | | | Maximum Diameter Range | Stud Size | Dimensions | | | | |
|----------------|-------------------------------------|--------------------------|------------------------|------------------------|------------------------|----------------|------------|-------|---------|--------|---------|
| | Stranded | | Solid | | | | AA | B | C | D | E |
| | Max. | Min. | Max. | Min. | | | | | | | |
| SPDL-0 | 8 | 12 (4mm ²) | 8 (10mm ²) | 12 (4mm ²) | .146-.080 | 1/4-20 x 1 | 13/16 | 1 | 55/64 | 15/32 | 1/2 |
| SPDL-1 | 7 (10mm ²) | 10 (6mm ²) | 6 (10mm ²) | 10 (6mm ²) | .170-.102 | 1/4-20 x 1 | 31/32 | 1 | 55/64 | 15/32 | 21/32 |
| SPDL-2 | 5 (16mm ²) | 10 (6mm ²) | 4 (16mm ²) | 10 (6mm ²) | .217-.102 | 5/16-18 x 1 | 1-1/8 | 1 | 53/64 | 17/32 | 23/32 |
| SPDL-3 | 3 (25mm ²) | 10 (6mm ²) | 2 (35mm ²) | 10 (6mm ²) | .271-.102 | 3/8-16 x 1-1/8 | 1-1/4 | 1-1/8 | 61/64 | 5/8 | 25/32 |
| SPDL-4 | 1 (35mm ²) | 8 (6mm ²) | 2 (35mm ²) | 8 (10mm ²) | .332-.128 | 3/8-16 x 1-1/8 | 1-3/8 | 1-1/8 | 61/64 | 11/16 | 7/8 |
| SPDL-5 | 1/0 (50mm ²) | 2 (35mm ²) | 2 (35mm ²) | - | .385-.258 | 1/2-13 x 1-1/4 | 1-19/32 | 1-1/4 | 1-5/64 | 3/4 | 15/16 |
| SPDL-6 | 2/0 (70mm ²) | 2 (35mm ²) | 2 (35mm ²) | - | .443-.258 | 1/2-13 x 1-1/4 | 1-13/16 | 1-1/4 | 1-5/64 | 7/8 | 1-1/16 |
| SPDL-8 | 4/0 (95mm ²) | 1 (35mm ²) | - | - | .570-.289 | 5/8-11 x 1-1/2 | 2-1/16 | 1-1/2 | 1-19/64 | 1 | 1-5/16 |
| SPDL-9 | 350 (150mm ²) | 1/0 (70mm ²) | - | - | .715-.373 | 5/8-11 x 1-1/2 | 2-3/4 | 1-1/2 | 1-19/64 | 1-5/16 | 1-11/16 |
| SPDL-10 | 500 (240mm ²) | 3/0 (95mm ²) | - | - | .840-.464 | 3/4-10 x 1-3/4 | 3-1/8 | 1-1/2 | 1-31/64 | 1-1/2 | 1-7/8 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E158587

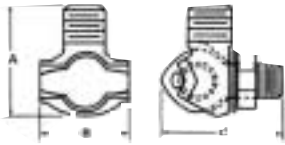
TYPE TTGC

Features

- Manufactured from bronze
- Eye bolt on TTGC2 rotates to accommodate cable in vertical or horizontal direction
- Range taking
- Stud fits all standard EEI-NEMA distribution transformers

Benefits

- Provides maximum strength and superior conductivity
- Flexibility
- Permits inventories to be kept to a minimum
- Reliability



| Catalog Number | Conductor Range | | Stud Thread Size UNC - 2A | Dimensions | | |
|----------------|-----------------|--------|---------------------------|------------|--------|---------|
| | Max. | Min. | | A | B | C |
| TTGC2 | 2/0 | 8 sol | 1/2-13 | 1-51/64 | 1-9/64 | 1-21/32 |
| TTGC3 | 1 str | 10 sol | 1/2-13 | 1-3/8 | 1-3/64 | 1-9/16 |
| TTGC4+ | 1 str | 10 sol | 1/2-13 | 1-1/4 | 7/8 | 1-3/8 |
| TTGC2TN+ | 2/0 | 8 sol | 1/2-13 | 1-51/64 | 1-9/64 | 1-21/32 |
| TTGC3TN* | 1 str | 10 sol | 1/2-13 | 1-3/8 | 1-3/64 | 1-9/16 |
| TTGC4TN* | 1 str | 10 sol | 1/2-13 | 1-1/4 | 7/8 | 1-3/8 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

+ RUS Listed

* Tin Plated

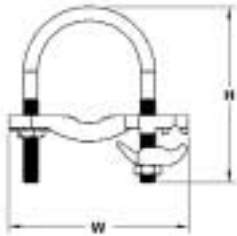
TYPE
GPL3

Features

- Range taking
- Cable clamp rotates
- Silicon bronze hardware
- UL 467 Listed

Benefits

- Inventory reduction
- Allows ground conductor to be attached parallel to pipe or at 90°
- Corrosion resistant
- Suitable for direct burial in earth or concrete



| Catalog Number | Ground Wire Range | IPS Pipe Size | Dimensions | | Fits Pipe O.D. Range |
|----------------|-------------------|---------------|------------|--------|----------------------|
| | | | W | H | |
| GPL3902BU | 4 - 4/0 | 1/2 - 1 | 3.250 | 3.500 | .840 - 1.32 |
| GPL3903BU | 4 - 4/0 | 1-1/4 - 2 | 4.250 | 4.000 | 1.66 - 2.38 |
| GPL3904BU | 4 - 4/0 | 2-1/2 - 3-1/2 | 5.000 | 6.500 | 2.88 - 4.00 |
| GPL3905BU | 4 - 4/0 | 4 - 5 | 7.500 | 7.500 | 4.50 - 5.56 |
| GPL3906BU | 4 - 4/0 | 6 | 8.625 | 8.500 | 6.62 |
| GPL3907BU | 4 - 4/0 | 8 | 10.625 | 10.000 | 8.62 |
| GPL3908BU | 4 - 4/0 | 10 | 12.750 | 12.000 | 10.75 |
| GPL3909BU | 4 - 4/0 | 12 | 14.750 | 14.000 | 12.75 |

G

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E34440

U-Bolt Ground Clamp

for Pipes, Rods, Rebar, and Fence Posts

Tube O.D. Range: 0.500 - 2.375 in.

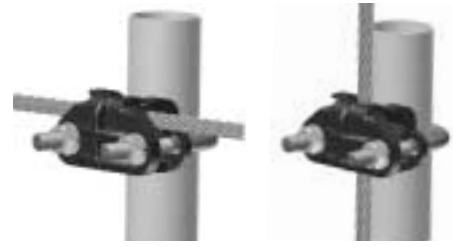
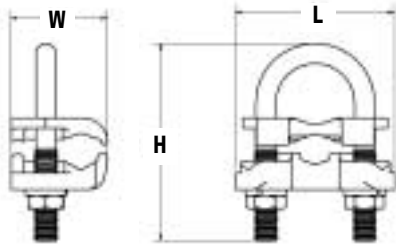
TYPE GPL

Features

- For parallel and 90° copper conductor connections to pipes, rods, rebar and fence posts
- Components made from bronze and copper alloys
- Silicone bronze hardware
- Specially designed spacer
- Range taking
- Re-usable
- UL 467 Listed for direct burial and CSA Certified

Benefits

- Efficient use and flexibility in the field
- Provides maximum conductivity
- Corrosion resistant for longevity
- Enables cable alignment and positive contact
- Minimizes inventories
- Optimizes cost and flexibility for rework applications
- Ensures a safe and reliable grounding connection



Wire perpendicular to post Wire parallel to post

| Catalog Number | Wire Range | Tube I.P.S. | Rebar | Ground Rod | O.D. Range - in. (mm) | | Overall Dimensions - in. (mm) | | |
|----------------|-------------------|-------------|-------|-------------|-----------------------|--------------|-------------------------------|---------------|--------------|
| | | | | | Min. | Max. | W | H | L |
| GPL-1 | 4str-8sol | 1/4 | #4 | 1/2 | 0.500 (12.7) | 0.540 (13.7) | 1.563 (39.7) | 2.665 (67.7) | 1.875 (47.6) |
| GPL-2 | 2/Ostr-4sol | 1/4 | #4 | 1/2 | 0.500 (12.7) | 0.540 (13.7) | 1.563 (39.7) | 2.665 (67.7) | 1.875 (47.6) |
| GPL-3 | 250kcmil-2/Osol | 1/4 | #4 | 1/2 | 0.500 (12.7) | 0.540 (13.7) | 1.563 (39.7) | 2.665 (67.7) | 1.875 (47.6) |
| GPL-4 | 4str-8sol | 3/8 | #6 | 5/8-3/4 | 0.625 (15.9) | 0.750 (19.1) | 1.563 (39.7) | 2.875 (73.0) | 2.250 (57.2) |
| GPL-5 | 2/Ostr-4sol | 3/8 | #6 | 5/8-3/4 | 0.625 (15.9) | 0.750 (19.1) | 1.563 (39.7) | 2.875 (73.0) | 2.250 (57.2) |
| GPL-6 | 250kcmil-2/Osol | 3/8 | #6 | 5/8-3/4 | 0.625 (15.9) | 0.750 (19.1) | 1.563 (39.7) | 2.875 (73.0) | 2.250 (57.2) |
| GPL-7 | 500kcmil-300kcmil | 3/8 | #6 | 5/8-3/4 | 0.625 (15.9) | 0.750 (19.1) | 1.563 (39.7) | 2.875 (73.0) | 2.250 (57.2) |
| GPL-8 | 4str-8sol | 1/2-3/4 | #8 | 7/8-1 | 0.840 (21.3) | 1.050 (26.7) | 1.563 (39.7) | 3.265 (82.9) | 2.625 (66.7) |
| GPL-9 | 2/Ostr-4sol | 1/2-3/4 | #8 | 7/8-1 | 0.840 (21.3) | 1.050 (26.7) | 1.563 (39.7) | 3.265 (82.9) | 2.625 (66.7) |
| GPL-10 | 250kcmil-2/Osol | 1/2-3/4 | #8 | 7/8-1 | 0.840 (21.3) | 1.050 (26.7) | 1.563 (39.7) | 3.265 (82.9) | 2.625 (66.7) |
| GPL-12 | 500kcmil-300kcmil | 1/2-3/4 | #8 | 7/8-1 | 0.840 (21.3) | 1.050 (26.7) | 1.563 (39.7) | 3.265 (82.9) | 2.625 (66.7) |
| GPL-14 | 4str-8sol | 1 | - | 1 1/8-1 1/4 | 1.125 (28.6) | 1.310 (33.3) | 1.563 (39.7) | 3.540 (89.9) | 2.750 (69.9) |
| GPL-15 | 2/Ostr-4sol | 1 | - | 1 1/8-1 1/4 | 1.125 (28.6) | 1.310 (33.3) | 1.563 (39.7) | 3.540 (89.9) | 2.750 (69.9) |
| GPL-16 | 250kcmil-2/Osol | 1 | - | 1 1/8-1 1/4 | 1.125 (28.6) | 1.310 (33.3) | 1.563 (39.7) | 3.540 (89.9) | 2.750 (69.9) |
| GPL-17 | 500kcmil-300kcmil | 1 | - | 1 1/8-1 1/4 | 1.125 (28.6) | 1.310 (33.3) | 1.563 (39.7) | 3.540 (89.9) | 2.750 (69.9) |
| GPL-20 | 4str-8sol | 1 1/4 | - | 1 3/8-1 1/2 | 1.375 (34.9) | 1.660 (42.2) | 1.563 (39.7) | 3.665 (93.1) | 3.000 (76.2) |
| GPL-21 | 2/Ostr-4sol | 1 1/4 | - | 1 3/8-1 1/2 | 1.375 (34.9) | 1.660 (42.2) | 1.563 (39.7) | 3.665 (93.1) | 3.000 (76.2) |
| GPL-22 | 250kcmil-2/Osol | 1 1/4 | - | 1 3/8-1 1/2 | 1.375 (34.9) | 1.660 (42.2) | 1.563 (39.7) | 3.665 (93.1) | 3.000 (76.2) |
| GPL-23 | 500kcmil-300kcmil | 1 1/4 | - | 1 3/8-1 1/2 | 1.375 (34.9) | 1.660 (42.2) | 1.563 (39.7) | 3.665 (93.1) | 3.000 (76.2) |
| GPL-26 | 4str-8sol | 1 1/2 | - | 1 5/8-1 7/8 | 1.625 (41.3) | 1.900 (48.3) | 1.563 (39.7) | 4.165 (105.8) | 3.250 (82.6) |
| GPL-27 | 2/Ostr-4sol | 1 1/2 | - | 1 5/8-1 7/8 | 1.625 (41.3) | 1.900 (48.3) | 1.563 (39.7) | 4.165 (105.8) | 3.250 (82.6) |
| GPL-28 | 250kcmil-2/Osol | 1 1/2 | - | 1 5/8-1 7/8 | 1.625 (41.3) | 1.900 (48.3) | 1.563 (39.7) | 4.165 (105.8) | 3.250 (82.6) |
| GPL-29 | 500kcmil-300kcmil | 1 1/2 | - | 1 5/8-1 7/8 | 1.625 (41.3) | 1.900 (48.3) | 1.563 (39.7) | 4.165 (105.8) | 3.250 (82.6) |
| GPL-32 | 4str-8sol | 2 | - | 2-2 3/8 | 2.000 (50.8) | 2.375 (60.3) | 1.563 (39.7) | 4.665 (118.5) | 3.625 (92.1) |
| GPL-33 | 2/Ostr-4sol | 2 | - | 2-2 3/8 | 2.000 (50.8) | 2.375 (60.3) | 1.563 (39.7) | 4.665 (118.5) | 3.625 (92.1) |
| GPL-34 | 250kcmil-2/Osol | 2 | - | 2-2 3/8 | 2.000 (50.8) | 2.375 (60.3) | 1.563 (39.7) | 4.665 (118.5) | 3.625 (92.1) |
| GPL-35 | 500kcmil-300kcmil | 2 | - | 2-2 3/8 | 2.000 (50.8) | 2.375 (60.3) | 1.563 (39.7) | 4.665 (118.5) | 3.625 (92.1) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 467, UL File E34440

U-Bolt Ground Clamp

for Pipes, Rods, Rebar, and Fence Posts

Tube O.D. Range: 2.500 - 6.500 in.

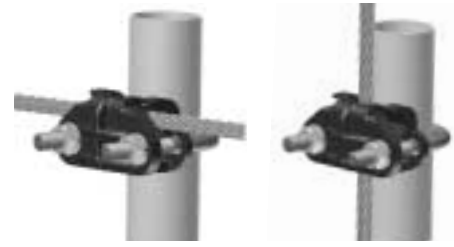
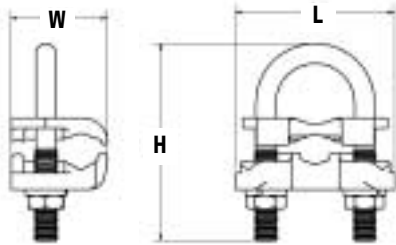
TYPE GPL

Features

- For parallel and 90° copper conductor connections to pipes, rods, rebar and fence posts
- Components made from bronze and copper alloys
- Silicone bronze hardware
- Specially designed spacer
- Range taking
- Re-usable
- UL 467 Listed for direct burial and CSA Certified

Benefits

- Efficient use and flexibility in the field
- Provides maximum conductivity
- Corrosion resistant for longevity
- Enables cable alignment and positive contact
- Minimizes inventories
- Optimizes cost and flexibility for rework applications
- Ensures a safe and reliable grounding connection



Wire perpendicular to post Wire parallel to post

| Catalog Number | Wire Range | Tube I.P.S. | Rebar | Ground Rod | O.D. Range - in. (mm) | | Overall Dimensions - in. (mm) | | |
|----------------|-------------------|-------------|-------|-------------|-----------------------|---------------|-------------------------------|---------------|---------------|
| | | | | | Min. | Max. | W | H | L |
| GPL-38 | 4str-8sol | 2 1/2 | - | 2 1/2-2 7/8 | 2.500 (63.5) | 2.875 (73.0) | 1.600 (40.6) | 5.165 (131.2) | 4.250 (108.0) |
| GPL-39 | 2/Ostr-4sol | 2 1/2 | - | 2 1/2-2 7/8 | 2.500 (63.5) | 2.875 (73.0) | 1.600 (40.6) | 5.165 (131.2) | 4.250 (108.0) |
| GPL-40 | 250kcmil-2/Osol | 2 1/2 | - | 2 1/2-2 7/8 | 2.500 (63.5) | 2.875 (73.0) | 1.600 (40.6) | 5.165 (131.2) | 4.250 (108.0) |
| GPL-41 | 500kcmil-300kcmil | 2 1/2 | - | 2 1/2-2 7/8 | 2.500 (63.5) | 2.875 (73.0) | 1.600 (40.6) | 5.165 (131.2) | 4.250 (108.0) |
| GPL-44 | 4str-8sol | 3 | - | 3-3 1/2 | 3.000 (76.2) | 3.500 (88.9) | 1.600 (40.6) | 5.790 (147.1) | 4.750 (120.7) |
| GPL-45 | 2/Ostr-4sol | 3 | - | 3-3 1/2 | 3.000 (76.2) | 3.500 (88.9) | 1.600 (40.6) | 5.790 (147.1) | 4.750 (120.7) |
| GPL-46 | 250kcmil-2/Osol | 3 | - | 3-3 1/2 | 3.000 (76.2) | 3.500 (88.9) | 1.600 (40.6) | 5.790 (147.1) | 4.750 (120.7) |
| GPL-47 | 500kcmil-300kcmil | 3 | - | 3-3 1/2 | 3.000 (76.2) | 3.500 (88.9) | 1.600 (40.6) | 5.790 (147.1) | 4.750 (120.7) |
| GPL-50 | 4str-8sol | 3 1/2 | - | 3 1/2-4 | 3.500 (88.9) | 4.000 (101.6) | 1.600 (40.6) | 6.790 (172.5) | 5.250 (133.4) |
| GPL-51 | 2/Ostr-4sol | 3 1/2 | - | 3 1/2-4 | 3.500 (88.9) | 4.000 (101.6) | 1.600 (40.6) | 6.790 (172.5) | 5.250 (133.4) |
| GPL-52 | 250kcmil-2/Osol | 3 1/2 | - | 3 1/2-4 | 3.500 (88.9) | 4.000 (101.6) | 1.600 (40.6) | 6.790 (172.5) | 5.250 (133.4) |
| GPL-53 | 500kcmil-300kcmil | 3 1/2 | - | 3 1/2-4 | 3.500 (88.9) | 4.000 (101.6) | 1.600 (40.6) | 6.790 (172.5) | 5.250 (133.4) |
| GPL-56 | 4str-8sol | 4 | - | 4-4 1/2 | 4.000 (101.6) | 4.500 (114.3) | 1.600 (40.6) | 7.040 (178.8) | 5.875 (149.2) |
| GPL-57 | 2/Ostr-4sol | 4 | - | 4-4 1/2 | 4.000 (101.6) | 4.500 (114.3) | 1.600 (40.6) | 7.040 (178.8) | 5.875 (149.2) |
| GPL-58 | 250kcmil-2/Osol | 4 | - | 4-4 1/2 | 4.000 (101.6) | 4.500 (114.3) | 1.600 (40.6) | 7.040 (178.8) | 5.875 (149.2) |
| GPL-59 | 500kcmil-300kcmil | 4 | - | 4-4 1/2 | 4.000 (101.6) | 4.500 (114.3) | 1.600 (40.6) | 7.040 (178.8) | 5.875 (149.2) |
| GPL-68 | 4str-8sol | 5 | - | 5-5 1/2 | 5.000 (127.0) | 5.500 (139.7) | 1.563 (39.7) | 8.665 (220.1) | 7.000 (177.8) |
| GPL-69 | 2/Ostr-4sol | 5 | - | 5-5 1/2 | 5.000 (127.0) | 5.500 (139.7) | 1.563 (39.7) | 8.665 (220.1) | 7.000 (177.8) |
| GPL-70 | 250kcmil-2/Osol | 5 | - | 5-5 1/2 | 5.000 (127.0) | 5.500 (139.7) | 1.563 (39.7) | 8.665 (220.1) | 7.000 (177.8) |
| GPL-71 | 500kcmil-300kcmil | 5 | - | 5-5 1/2 | 5.000 (127.0) | 5.500 (139.7) | 1.563 (39.7) | 8.665 (220.1) | 7.000 (177.8) |
| GPL-75 | 2/Ostr-4sol | 6 | - | 6-6 1/2 | 6.000 (152.4) | 6.500 (165.1) | 1.563 (39.7) | 9.165 (232.8) | 8.000 (203.2) |
| GPL-76 | 250kcmil-2/Osol | 6 | - | 6-6 1/2 | 6.000 (152.4) | 6.500 (165.1) | 1.563 (39.7) | 9.165 (232.8) | 8.000 (203.2) |
| GPL-77 | 500kcmil-300kcmil | 6 | - | 6-6 1/2 | 6.000 (152.4) | 6.500 (165.1) | 1.563 (39.7) | 9.165 (232.8) | 8.000 (203.2) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 467, UL File E34440

TYPE
GS
GSR

Features

- Manufactured from annealed copper sheet
- Two styles available
- Type GSR supplied in 10' coils with 1/4" holes

Benefits

- Provides maximum conductivity and greater flexibility
- Heavy-Duty or lightweight in four different lengths
- Can be cut to desired length which reduces inventory



Fig. 1



Fig. 2

| Catalog Number | Figure Number | Pipe Size | Dimensions | | Type |
|----------------|---------------|-----------|------------|-----|------------------|
| | | | L | W | |
| GS-1 | 1 | 3/8-1 | 5-17/32 | 3/4 | Heavy .050 thick |
| GS-2 | 1 | 3/8-2 | 9-5/16 | 3/4 | Heavy .050 thick |
| GS-3 | 1 | 3/8-3 | 12-3/4 | 3/4 | Heavy .050 thick |
| GS-4 | 1 | 3/8-4 | 15-3/4 | 3/4 | Heavy .050 thick |
| GS-10 | 1 | 3/8-1 | 5-17/32 | 3/4 | Light .025 thick |
| GS-20 | 1 | 3/8-2 | 9-5/16 | 3/4 | Light .025 thick |
| GS-30 | 1 | 3/8-3 | 12-3/4 | 3/4 | Light .025 thick |
| GS-40 | 1 | 3/8-4 | 15-3/4 | 3/4 | Light .025 thick |
| GSR-Plain* | 2 | - | 10 ft. | 3/4 | Light .030 thick |

* 1/4" Holes

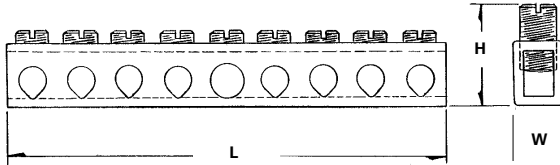
TYPE D167

Features

- Manufactured from high strength copper tubing
- Range taking
- UL Recognized for 600 volts

Benefits

- Provides maximum conductivity
- A wide range of conductor sizes can be used in the same connector
- Ensures reliability for copper conductor



| Catalog Number | Number Of Taps | Wire Range | | Dimensions | | | | | Mounting Hole Positions | |
|----------------|----------------|------------|------|------------|--------------------------|-------|-----------|--------------------|--|------------------------|
| | | Main | Tap | L | Height With Maximum Wire | W | Bolt Size | Two Mounting Holes | From End Of Bar To First Mounting Hole | Distance Between Holes |
| D167-4 | 4 | 4-14 | 6-14 | 2-3/4 | 3/4 | 11/32 | #10 | 13/64 | .581 (2nd hole) | 1.98 |
| D167-6 | 6 | 4-14 | 6-14 | 3-1/2 | 3/4 | 11/32 | #10 | 13/64 | .978 (3rd hole) | 1.98 |
| D167-8 | 8 | 4-14 | 6-14 | 4-7/16 | 3/4 | 11/32 | #10 | 13/64 | 1.375 (4th hole) | 1.98 |
| D167-10 | 10 | 4-14 | 6-14 | 5-1/8 | 3/4 | 11/32 | #10 | 13/64 | 1.772 (5th hole) | 1.98 |
| D167-12 | 12 | 4-14 | 6-14 | 5-15/16 | 3/4 | 11/32 | #10 | 13/64 | 2.169 (6th hole) | 1.98 |
| D167-14 | 14 | 4-14 | 6-14 | 6-23/32 | 3/4 | 11/32 | #10 | 13/64 | 2.566 (7th hole) | 1.98 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B and UL 467, UL File E6207

TYPE CAN

Features

- Manufactured from high strength copper tubing
- Compact design
- Range taking
- Circuit bars inserted at a 20 angle
- Copper conductor only

Benefits

- Provides maximum conductivity
- Up to 42 circuit taps can be made in just 5 1/2" of space
- A wide range of conductor sizes can be used in the same connector
- Provides easy wire insertion

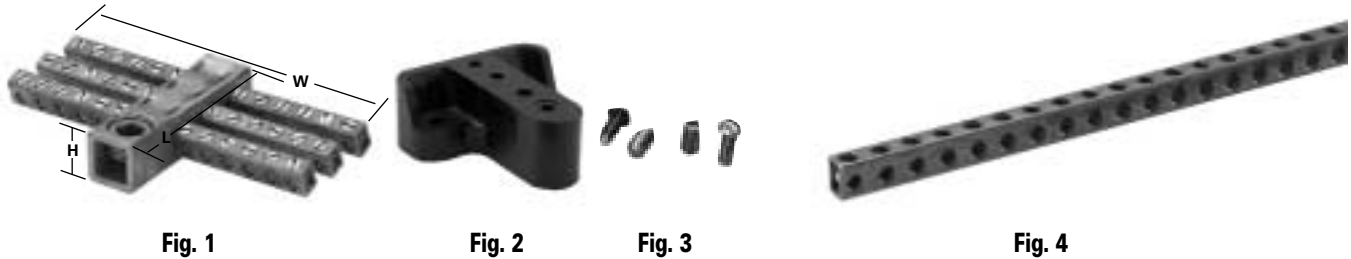


Fig. 1

Fig. 2

Fig. 3

Fig. 4

| Catalog Number | Figure Number | Number Of Taps | Wire Range | | Dimensions | | | |
|----------------|---------------|--|------------|------|------------|--------------------------|---------|---------------------------|
| | | | Main | Tap | L | Height With Maximum Wire | W | Two Tapped Mounting Holes |
| CAN-300 | 1 | 24 | 250kcmil-6 | 6-14 | 2-5/16 | 1-5/16 | 5-1/8 | 10-32 |
| CAN-301 | 1 | 30 | 250kcmil-6 | 6-14 | 3 | 1-5/16 | 4-13/32 | 10-32 |
| CAN-302 | 1 | 36 | 250kcmil-6 | 6-14 | 3 | 1-5/16 | 5-1/8 | 10-32 |
| CAN-303 | 1 | 42 | 250kcmil-6 | 6-14 | 3 | 1-7/16 | 5-1/2 | 10-32 |
| R-16 | 2 | Mounting block of general purpose (phenolic black) suitable for mounting any of CAN Neutrals. 2-1/2" wide x 2-1/2" long x 1" thick. | | | | | | |
| E-223 | 3 | 10-32 x 1/2" round head steel machine screws for fastening neutrals to mounting blocks. (Use lock washer to provide rigid assembly.) | | | | | | |
| E-153 | 3 | 1/4-28 wire pressure screw 7/16" long. Screw is steel, zinc plated and chromate dipped. | | | | | | |
| N-174‡ | 4 | Supplied in 5' 9" lengths. Approximately 174 outlets. Wire range 14-6. | | | | | | |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Tested to UL 486A/B, UL File E6207

‡ Tested to UL 486A/B and UL 467, UL File E6207

TYPE AGC SGC

Features

- Manufactured from high strength 6061-T6 aluminum alloy
- Clear plated
- Versatile
- Range taking
- SGC Lay-In feature

Benefits

- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Effectively grounds aluminum or copper conductors to copper water pipe, galvanized pipe or steel conduit
- Three sizes cover a range from 1/2" to 4" pipe with a ground wire range of 250kcmil - #14 which reduces inventory
- Provides ease of installation for long ground wire runs

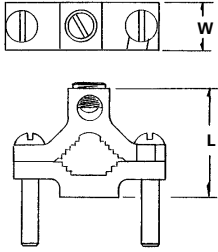


Fig. 1



Fig. 2



Fig. 3

| Catalog Number | Figure Number | Pipe Size | Rebar Size | Ground Wire Range | Screw Type | Dimensions | | Hex Size |
|----------------|---------------|-----------------|------------|-------------------|------------|------------|-------|----------|
| | | | | | | L | W | |
| AGC-1 | 1 | 1/2-3/4-1 | 4, 5, 6 | 1/0-14 | Slot | 2-1/4 | 11/16 | Slot |
| AGC-2 | 2 | 1 1/4-1 1/2-2 | - | 250kcmil-6 | Hex Socket | 3-3/4 | 13/16 | 5/16 |
| AGC-4 | 2 | 2 1/2-3-3 1/2-4 | - | 250kcmil-6 | Hex Socket | 6-5/16 | 1 | 5/16 |
| SGC-1/0* | 3 | 1/2-3/4-1" | - | 1/0-14 | Slot | 2-1/4 | 11/16 | Slot |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Inhibitor is recommended for all aluminum terminations.

* Typical application would be grounding computer floor room system.

UL File E34440

TYPE SGB

Features

- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- Lay-in feature
- Exclusive Viritium® plating
- Green color universal to identify ground
- Serrations in conductor wire way
- Unique clamp design
- 1/4" max frame thickness (SGB-4, SGB-5)
- Meets ASTM B117-09

Benefits

- Suitable for use with copper or aluminum conductors
- Provides low contact resistance
- Provides ease of installation
- Resists galvanic corrosion
- Aids visual inspection
- Cuts oxidation
- No mounting hardware required, reusable
- Mount to solar panel frames
- Resistance to outdoor salt spray

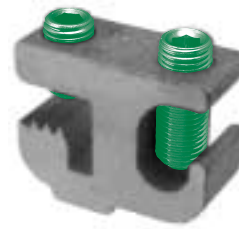
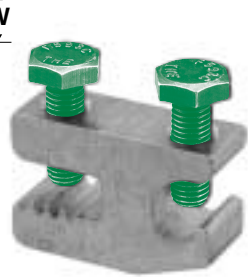
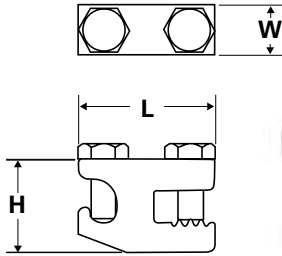


Fig. 1

Fig. 2

Fig. 3

Fig. 4

| Catalog Number | Figure Number | Ground Wire Range | Dimensions - in. (mm) | | | Hex Size |
|----------------|---------------|------------------------|-----------------------|--------------|--------------|----------|
| | | | L | W | H | |
| SGB-4+ | 1 | 4 sol/str-14 sol/str | 1.375 (34.9) | 0.500 (12.7) | 0.941 (23.9) | 7/16 |
| SGB-5+ | 2 | 4 sol/str-14 sol/str | 1.375 (34.9) | 0.500 (12.7) | 1.440 (36.6) | 7/16 |
| SGB-1/0 | 3 | 1/0 sol/str-14 sol/str | 1.508 (38.3) | 0.625 (15.9) | 1.241 (31.5) | 3/16 |
| SGB-250 | 4 | 250kcmil-6 | 1.810 (46.0) | 0.750 (19.1) | 1.703 (43.3) | 3/16 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL 467 for grounding and bonding. UL File E34440
+ UL2703 Recognized E354420 Vol. 1
DE-OX® oxide inhibitor is recommended for all aluminum terminations
Patented

TYPE GBL

Features

- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- Lay-in feature

Benefits

- Suitable for use with copper or aluminum conductors
- Provides low contact resistance
- Provides ease of installation

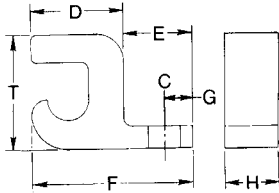


Fig. 1



Fig. 2



Fig. 3

| Catalog Number | Figure Number | Ground Wire Range | Bolt Size | Dimensions | | | | | | | Hex Size |
|----------------|---------------|-------------------|-----------|------------|-------|-------|--------|-------|-------|---------|----------|
| | | | | C | D | E | F | G | H | T | |
| * GBL-4 | 1 | 4-14 | 10 | 7/32 | 5/8 | 31/64 | 1-3/32 | 13/64 | 25/64 | 51/64 | Slot |
| + ‡ GBL-4SS | 2 | 4-14 | 10 | 7/32 | 5/8 | 31/64 | 1-3/32 | 13/64 | 25/64 | 51/64 | Slot |
| GBL-1/0 | 2 | 1/0-14 | 1/4 | 9/32 | 51/64 | 27/32 | 1-5/8 | 7/16 | 5/8 | 1-5/32 | Slot |
| GBL-250 | 3 | 250kcmil-6 | 1/4 | 9/32 | 31/64 | 1 | 2-3/16 | 29/64 | 7/8 | 1-23/32 | 7/32 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

UL File E34440

* UL 467 and UL 486A/B Listed

+ UL 467 Listed

‡ GBL-4SS is UL2703 Listed UL E354420 Vol. 2

+ Supplied with stainless steel hardware. Meets ASTM B117-09 and is resistant to outdoor salt spray

DE-OX® oxide inhibitor is recommended for all aluminum terminations

Optional MH Series mounting hardware kits available, consult ILSCO

TYPE CGBL

Features

- Lay-in feature
- Manufactured from high strength copper
- Stainless steel hardware
- Meets or exceeds NEC 680.7 requirements

Benefits

- Provides ease of installation of continuous loop grounding conductor
- Suitable for direct burial and for use with copper conductors
- Resists oxidation and corrosion in earth or concrete
- Pool equipment bonding in corrosive environments

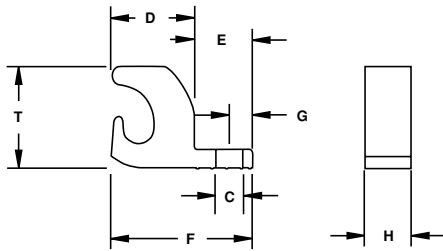


Fig. 1



Fig. 2

| Catalog Number | Figure Number | Ground Wire Range | Bolt Size | Dimensions | | | | | | | Screw Type |
|----------------|---------------|-------------------|-----------|------------|------|------|-------|------|------|------|------------|
| | | | | C | D | E | F | G | H | T | |
| GBL-4DB | 1 | 4-14 | 10 | .218 | .680 | .470 | 1.150 | .190 | .375 | .825 | Slot |
| GBL-4DB-14 | 1 | 4-14 | 1/4 | .265 | .680 | .470 | 1.150 | .210 | .472 | .825 | Slot |
| *+ GBL-4DBT | 1 | 4-14 | 10 | .218 | .680 | .470 | 1.150 | .190 | .375 | .825 | Slot |
| * GBL-4DBT-14 | 1 | 4-14 | 1/4 | .265 | .680 | .470 | 1.150 | .210 | .472 | .825 | Slot |
| *+ GBL-4DBTH | 2 | 4-14 | 10 | .218 | .680 | .470 | 1.150 | .190 | .375 | .825 | Hex |
| * GBL-4DBTH-14 | 2 | 4-14 | 1/4 | .265 | .680 | .470 | 1.150 | .210 | .472 | .825 | Hex |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Tested to UL 467, UL File E34440

* T indicates tin plating

+ GBL-4DBT and GBL-4DBTH are UL2703 Listed UL E354420 Vol. 2

Optional MH Series mounting hardware kits available, consult ILSCO

680.7 Grounding and Bonding Terminals. Grounding and bonding terminals shall be identified for use in wet and corrosive environments. Field-installed grounding and bonding connections in a damp, wet or corrosive environment shall be composed of copper, copper alloy, or stainless steel. They shall be listed for direct burial use.

TYPE
GBT

Features

- Manufactured from high strength 6061-T6 aluminum alloy
- Approved for UL 467 (Grounding & Bonding)
- Lay in style
- No mounting required
- 4 Taps (#2-14) stranded or solid
- Stainless steel screws
- Serrations in conductor wire way
- Patented

Benefits

- For use with copper and aluminum conductors
- Meets NEC 250.94 installation requirements.
- Eliminates the need to cut or splice into existing conductor
- Allows fast simple installation on ground conductor below meter
- For bonding multiple communication systems (Phone, TV, Cable, etc.)
- For corrosion resistance
- Cuts oxidation



Fig. 1



Fig. 2

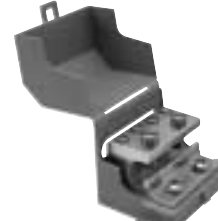


Fig. 3

| Catalog Number | Figure Number | Wire Range Main | Wire Range Tap | Length | Width | Height | Hex Size | |
|----------------|---------------|--------------------------|----------------|--------|-------|--------|----------|-----|
| | | | | | | | Main | Tap |
| GBT-1/0 | 1 | 1/0-8 | 2-14str-sol | 2.250 | 1.125 | 1.160 | S | S |
| GBT-250 | 1 | 250kcmil-8str - 1/0-8sol | 2-14str-sol | 2.250 | 1.375 | 1.587 | 7/32 | S |
| GBT-1/0-M | 2 | 1/0-8 | 2-14str-sol | 2.250 | 1.750 | 1.160 | S | S |
| GBT-1/0-M-W/C | 3 | 1/0-8 | 2-14str-sol | 2.730 | 3.930 | 2.110 | S | S |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

UL File E34440

TYPE GRM GRF

Features

- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- Type GRM - Elongated steel stud
- Type GRF - Threaded female design

Benefits

- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Provides ease of grounding a single conductor to steel structures or to tap a single conductor from bus bar
- Provides ease of installation for a variety of standard stud sizes

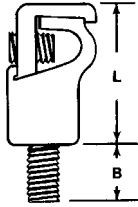


Fig. 1

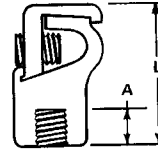


Fig. 2

| Catalog Number | Figure Number | Wire Range Single Cable | | | Dia. Thread | Dimensions | | | Hex Size |
|----------------|---------------|-------------------------|-----------|--------------|-------------|------------|-------|---------|----------|
| | | Max. | Min. | Steel Strand | | A | B | L | |
| GRM-2A | 1 | 2str | 12sol/str | 5/16 | 1/4"-20 | - | 11/16 | 1-1/4 | Slot |
| GRM-2B | 1 | 2str | 12sol/str | 5/16 | 5/16"-18 | - | 3/8 | 1-1/4 | Slot |
| GRM-2C | 1 | 2str | 12sol/str | 5/16 | 3/8"-16 | - | 9/16 | 1-1/4 | Slot |
| GRM-0 | 1 | 1/0str | 2str | 3/8 | 1/2"-13 | - | 1 | 1-9/16 | Slot |
| GRM-250A | 1 | 250kcmil | 1/0 | 9/16 | 1/2"-13 | - | 1 | 2-1/8 | 5/16 |
| GRM-250B | 1 | 250kcmil | 1/0 | 9/16 | 5/8"-11 | - | 1 | 2-1/8 | 5/16 |
| GRM-350 | 1 | 350kcmil | 4/0 | - | 5/8"-11 | - | 1 | 2-1/2 | 3/8 |
| GRM-500 | 1 | 500kcmil | 350kcmil | - | 3/4"-10 | - | 1-3/8 | 2-15/16 | 3/8 |
| GRM-750 | 1 | 750kcmil | 500kcmil | - | 3/4"-10 | - | 1-3/8 | 3-3/8 | 1/2 |
| GRF-2A | 2 | 2str | 12sol/str | 5/16 | 1/4"-20 | 5/16 | - | 1-1/4 | Slot |
| GRF-2B | 2 | 2str | 12sol/str | 5/16 | 5/16"-18 | 3/8 | - | 1-1/4 | Slot |
| GRF-2C | 2 | 2str | 12sol/str | 5/16 | 3/8"-16 | 7/16 | - | 1-1/4 | Slot |
| GRF-0 | 2 | 1/0str | 2str | 3/8 | 1/2"-13 | 1/2 | - | 1-9/16 | Slot |
| GRF-250A | 2 | 250kcmil | 1/0 | 9/16 | 1/2"-13 | 1/2 | - | 2-1/8 | 5/16 |
| GRF-250B | 2 | 250kcmil | 1/0 | 9/16 | 5/8"-11 | 3/4 | - | 2-1/8 | 5/16 |
| GRF-350 | 2 | 350kcmil | 4/0 | - | 5/8"-11 | 3/4 | - | 2-1/2 | 3/8 |
| GRF-500 | 2 | 500kcmil | 350kcmil | - | 3/4"-10 | 7/8 | - | 2-15/16 | 3/8 |
| GRF-750 | 2 | 750kcmil | 500kcmil | - | 3/4"-10 | 7/8 | - | 3-3/8 | 1/2 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Inhibitor is recommended for all aluminum terminations.

G

TYPE GH GHS

Features

- Manufactured from copper alloy
- Furnished with silicon bronze bolt, nut, and lock washer
- Mountable for surfaces up to 1/4" thick
- UL 467 Listed for grounding and bonding up to 250kcmil

Benefits

- Provides maximum conductivity
- For clamping conductors to flat surfaces
- Fits standard grounding bus bar and various flat plate metal surfaces
- Suitable for direct burial in earth or concrete

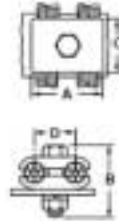


Fig. 1

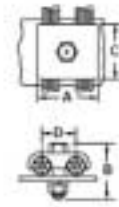


Fig. 2

| Catalog Number | Figure Number | Wire Range | Dimensions - in. (mm) | | | | Bolt Size |
|----------------|---------------|--------------------|-----------------------|--------------|--------------|--------------|-----------|
| | | | A | B | C | D | |
| GH-1* | 1 | 4str-8sol | 1.250 (31.8) | 1.500 (38.1) | 1.375 (34.9) | 0.750 (19.1) | 3/8 |
| GH-2* | 1 | 2/0str-4sol | 1.500 (38.1) | 2.000 (50.8) | 1.625 (41.3) | 1.000 (25.4) | 3/8 |
| GH-3* | 1 | 250kcmil-2/0sol | 2.000 (50.8) | 2.250 (57.2) | 1.750 (44.5) | 1.250 (31.8) | 1/2 |
| GH-4 | 1 | 500kcmil-300kcmil | 2.500 (63.5) | 2.875 (73.0) | 2.000 (50.8) | 1.500 (38.1) | 1/2 |
| GH-5 | 1 | 750kcmil-500kcmil | 3.250 (82.6) | 3.375 (85.7) | 2.375 (60.3) | 1.750 (44.5) | 5/8 |
| GH-6 | 1 | 1000kcmil-750kcmil | 3.625 (92.1) | 3.750 (95.3) | 2.500 (63.5) | 2.000 (50.8) | 5/8 |
| GHS-1* | 2 | 4str-8sol | 1.250 (31.8) | 1.375 (34.9) | 1.375 (34.9) | 0.750 (19.1) | 3/8 |
| GHS-2* | 2 | 2/0str-4sol | 1.500 (38.1) | 1.500 (38.1) | 1.625 (41.3) | 1.000 (25.4) | 3/8 |
| GHS-3* | 2 | 250kcmil-2/0sol | 2.000 (50.8) | 1.875 (47.6) | 1.750 (44.5) | 1.250 (31.8) | 1/2 |
| GHS-4 | 2 | 500kcmil-300kcmil | 2.500 (63.5) | 2.375 (60.3) | 2.000 (50.8) | 1.500 (38.1) | 1/2 |
| GHS-5 | 2 | 750kcmil-500kcmil | 3.250 (82.6) | 2.750 (69.9) | 2.375 (60.3) | 1.750 (44.5) | 5/8 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

*UL File E158587

TYPE
GJ
GJS

Features

- Manufactured from copper alloy
- Furnished with silicon bronze bolt, nut, and lock washer
- Mountable for surfaces up to 1/4" thick
- UL 467 Listed for grounding and bonding up to 250kcmil

Benefits

- Provides maximum conductivity
- For clamping parallel conductors to flat surfaces
- Fits standard grounding bus bar and various flat plate metal surfaces
- Suitable for direct burial in earth or concrete

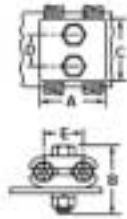


Fig. 1

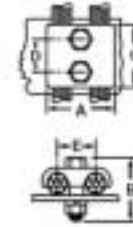


Fig. 2

| Catalog Number | Figure Number | Wire Range | Dimensions - in. (mm) | | | Bolt | | Size |
|----------------|---------------|--------------------|-----------------------|--------------|--------------|--------------|--------------|------|
| | | | A | B | C | D | E | |
| GJ-1* | 1 | 4str-8sol | 1.250 (31.8) | 1.500 (38.1) | 2.000 (50.8) | 0.938 (23.8) | 0.750 (19.1) | 3/8 |
| GJ-3* | 1 | 250kcmil-2/0sol | 2.000 (50.8) | 2.250 (57.2) | 2.500 (63.5) | 1.313 (33.3) | 1.313 (33.3) | 1/2 |
| GJS-6 | 2 | 1000kcmil-750kcmil | 3.625 (92.1) | 2.875 (73.0) | 3.000 (76.2) | 1.563 (39.7) | 2.000 (50.8) | 5/8 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
*UL File E158587

TYPE
GM
GMS
GWL

Features

- Manufactured from copper alloy
- Furnished with silicon bronze bolt, nut, and lock washer
- Mountable for surfaces up to 1/4" thick
- UL 467 Listed for grounding and bonding up to 250kcmil as well as UL 486 A/B

Benefits

- Provides maximum conductivity
- For clamping conductors to flat surfaces
- Fits standard grounding bus bar and various flat plate metal surfaces
- Suitable for direct burial in earth or concrete

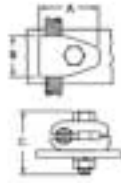


Fig. 1



Fig. 2

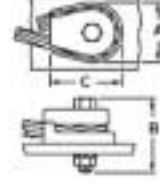


Fig. 3

| Catalog Number | Figure Number | Wire Range | Dimensions - in. (mm) | | | | | | Bolt Size |
|----------------|---------------|--------------------|-----------------------|--------|-------|--------|-------|--------|-----------|
| | | | A | | B | | C | | |
| GM-1 | 1 | 4str-8sol | 1.250 | (31.8) | 1.000 | (25.4) | 1.625 | (41.3) | 3/8 |
| GM-2 | 1 | 2/0str-4sol | 1.625 | (41.3) | 1.125 | (28.6) | 1.750 | (44.5) | 3/8 |
| GM-3 | 1 | 250kcmil-2/0sol | 2.125 | (54.0) | 1.500 | (38.1) | 2.000 | (50.8) | 1/2 |
| GM-4* | 1 | 500kcmil-300kcmil | 2.375 | (60.3) | 1.625 | (41.3) | 2.500 | (63.5) | 1/2 |
| GM-5* | 1 | 750kcmil-500kcmil | 3.000 | (76.2) | 1.750 | (44.5) | 3.000 | (76.2) | 5/8 |
| GM-6* | 1 | 1000kcmil-750kcmil | 3.500 | (88.9) | 1.875 | (47.6) | 3.125 | (79.4) | 5/8 |
| GMS-1 | 2 | 4str-8sol | 1.250 | (31.8) | 1.000 | (25.4) | 1.625 | (41.3) | 3/8 |
| GMS-2 | 2 | 2/0str-4sol | 1.625 | (41.3) | 1.125 | (28.6) | 1.750 | (44.5) | 3/8 |
| GMS-3 | 2 | 250kcmil-2/0sol | 2.125 | (54.0) | 1.500 | (38.1) | 2.000 | (50.8) | 1/2 |
| GMS-4* | 2 | 500kcmil-300kcmil | 2.375 | (60.3) | 1.625 | (41.3) | 2.500 | (63.5) | 1/2 |
| GMS-5* | 2 | 750kcmil-500kcmil | 3.000 | (76.2) | 1.750 | (44.5) | 3.000 | (76.2) | 5/8 |
| GMS-6* | 2 | 1000kcmil-750kcmil | 3.500 | (88.9) | 1.875 | (47.6) | 3.125 | (79.4) | 5/8 |
| GWL-1 | 3 | 4str-8sol | 1.125 | (28.6) | 1.500 | (38.1) | 1.375 | (34.9) | 3/8 |
| GWL-2 | 3 | 4str-8sol | 1.750 | (44.5) | 1.750 | (44.5) | 1.875 | (47.6) | 1/2 |
| GWL-3 | 3 | 2/0str-3str | 1.688 | (42.9) | 2.000 | (50.8) | 1.875 | (47.6) | 3/8 |
| GWL-4 | 3 | 2/0str-3str | 1.813 | (46.0) | 2.125 | (54.0) | 1.875 | (47.6) | 1/2 |
| GWL-5 | 3 | 250kcmil-3/0str | 2.250 | (57.2) | 2.250 | (57.2) | 2.375 | (60.3) | 3/8 |
| GWL-6 | 3 | 250kcmil-3/0str | 2.250 | (57.2) | 2.375 | (60.3) | 2.375 | (60.3) | 1/2 |
| GWL-7 | 3 | 250kcmil-3/0str | 2.250 | (57.2) | 2.500 | (63.5) | 2.375 | (60.3) | 5/8 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

*UL File E158587

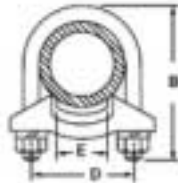
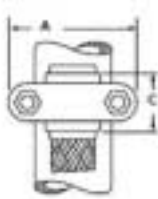
TYPE GO

Features

- Manufactured from copper alloy
- Furnished with silicon bronze U-bolt, nut, and lock washer
- UL 467 Listed for grounding and bonding

Benefits

- Provides maximum conductivity
- For clamping braid, cable or strip to a pipe
- Suitable for direct burial in earth or concrete



| Catalog Number | Iron Pipe Size | Dimensions - in. (mm) | | | | | | | | Hex Size |
|----------------|----------------|-----------------------|---------------|--------------|---------------|--------------|--|---|--|----------|
| | | A | | B | | C | | D | | |
| GO-1 | 1 | 2.750 (69.9) | 3.250 (82.6) | 1.250 (31.8) | 1.750 (44.5) | 1.000 (25.4) | | | | 3/8 |
| GO-2 | 1 1/4 | 3.000 (76.2) | 3.500 (88.9) | 1.375 (34.9) | 2.063 (52.4) | 1.000 (25.4) | | | | 3/8 |
| GO-3 | 1 1/2 | 3.375 (85.7) | 3.500 (88.9) | 1.500 (38.1) | 2.375 (60.3) | 1.000 (25.4) | | | | 3/8 |
| GO-4 | 1 1/2 | 3.375 (85.7) | 3.500 (88.9) | 1.500 (38.1) | 2.375 (60.3) | 1.500 (38.1) | | | | 3/8 |
| GO-4A | 1 1/2 | 3.375 (85.7) | 3.500 (88.9) | 1.500 (38.1) | 2.375 (60.3) | 2.000 (50.8) | | | | 1/2 |
| GO-5 | 2 | 3.750 (95.3) | 4.250 (108.0) | 1.500 (38.1) | 2.813 (71.4) | 1.000 (25.4) | | | | 3/8 |
| GO-6 | 2 | 3.750 (95.3) | 4.250 (108.0) | 1.500 (38.1) | 2.813 (71.4) | 1.500 (38.1) | | | | 3/8 |
| GO-7 | 2 | 4.000 (101.6) | 4.375 (111.1) | 1.750 (44.5) | 2.938 (74.6) | 2.000 (50.8) | | | | 1/2 |
| GO-8 | 2 1/2 | 4.500 (114.3) | 5.000 (127.0) | 1.875 (47.6) | 3.438 (87.3) | 2.000 (50.8) | | | | 1/2 |
| GO-9 | 2 1/2 | 4.500 (114.3) | 5.000 (127.0) | 2.000 (50.8) | 3.438 (87.3) | 2.500 (63.5) | | | | 1/2 |
| GO-10 | 3 | 5.250 (133.4) | 6.250 (158.8) | 2.000 (50.8) | 4.063 (103.2) | 2.000 (50.8) | | | | 1/2 |
| GO-11 | 3 | 5.250 (133.4) | 6.250 (158.8) | 2.000 (50.8) | 4.063 (103.2) | 2.500 (63.5) | | | | 1/2 |
| GO-12 | 3 | 5.250 (133.4) | 6.250 (158.8) | 2.000 (50.8) | 4.063 (103.2) | 3.000 (76.2) | | | | 1/2 |
| GO-13 | 3 1/2 | 5.750 (146.1) | 5.875 (149.2) | 2.250 (57.2) | 4.563 (115.9) | 2.000 (50.8) | | | | 1/2 |
| GO-14 | 3 1/2 | 5.750 (146.1) | 5.875 (149.2) | 2.250 (57.2) | 4.563 (115.9) | 2.500 (63.5) | | | | 1/2 |
| GO-15 | 3 1/2 | 5.750 (146.1) | 5.875 (149.2) | 2.250 (57.2) | 4.563 (115.9) | 3.000 (76.2) | | | | 1/2 |
| GO-16 | 4 | 6.250 (158.8) | 6.500 (165.1) | 2.250 (57.2) | 5.063 (128.6) | 2.000 (50.8) | | | | 1/2 |
| GO-18 | 4 | 6.250 (158.8) | 6.500 (165.1) | 2.500 (63.5) | 5.063 (128.6) | 3.000 (76.2) | | | | 1/2 |
| GO-19 | 4 | 6.250 (158.8) | 6.500 (165.1) | 2.750 (69.9) | 5.063 (128.6) | 3.500 (88.9) | | | | 1/2 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E158587

G

PermaGround™ Ground Clamp Connectors

Three Equal Size Cables to Pipe or Rod

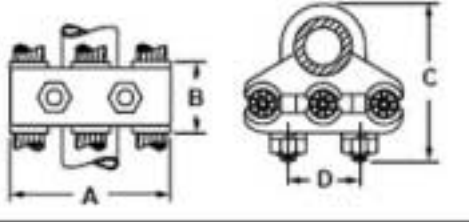
TYPE GR

Features

- Manufactured from copper alloy
- Furnished with silicon bronze U-bolt, nut, and lock washer
- Multi-functional body design
- UL 467 Listed for grounding and bonding up to 250kcmil

Benefits

- Provides maximum conductivity
- For clamping parallel cable or wires to pipe or rod in perpendicular orientation
- For clamping three equal size cables to a metal pipe, rod, or post
- Suitable for direct burial in earth or concrete



| Catalog Number | Accommodates | | Wire Range | Dimensions - in. (mm) | | | | | | | | Hex Size |
|----------------|--------------|----------------|-------------------|-----------------------|--------------|---------------|---------------|--|--|--|--|----------|
| | Rod/Post | Iron Pipe Size | | A | B | C | D | | | | | |
| GR-4 | 5/8 or 3/4 | 3/8 | 4str-8sol | 2.750 (69.9) | 1.500 (38.1) | 2.500 (63.5) | 1.125 (28.6) | | | | | 3/8 |
| GR-5 | 5/8 or 3/4 | 3/8 | 2/0str-4sol | 3.000 (76.2) | 1.500 (38.1) | 2.750 (69.9) | 1.125 (28.6) | | | | | 3/8 |
| GR-6 | 5/8 or 3/4 | 3/8 | 250kcmil-2/0sol | 3.500 (88.9) | 1.625 (41.3) | 3.000 (76.2) | 1.125 (28.6) | | | | | 3/8 |
| GR-7* | 5/8 or 3/4 | 3/8 | 500kcmil-300kcmil | 4.000 (101.6) | 1.625 (41.3) | 3.250 (82.6) | 1.125 (28.6) | | | | | 1/2 |
| GR-9 | 7/8 or 1 | 1/2 or 3/4 | 2/0str-4sol | 3.500 (88.9) | 1.500 (38.1) | 3.250 (82.6) | 1.500 (38.1) | | | | | 3/8 |
| GR-10 | 7/8 or 1 | 1/2 or 3/4 | 250kcmil-2/0sol | 3.875 (98.4) | 1.625 (41.3) | 3.375 (85.7) | 1.500 (38.1) | | | | | 1/2 |
| GR-11* | 7/8 or 1 | 1/2 or 3/4 | 500kcmil-300kcmil | 4.375 (111.1) | 1.625 (41.3) | 3.500 (88.9) | 1.500 (38.1) | | | | | 1/2 |
| GR-14 | - | 1 | 2/0str-4sol | 3.625 (92.1) | 1.500 (38.1) | 3.250 (82.6) | 1.750 (44.5) | | | | | 3/8 |
| GR-15 | - | 1 | 250kcmil-2/0sol | 4.125 (104.8) | 1.625 (41.3) | 3.500 (88.9) | 1.750 (44.5) | | | | | 3/8 |
| GR-16* | - | 1 | 500kcmil-300kcmil | 4.500 (114.3) | 1.625 (41.3) | 3.750 (95.3) | 1.750 (44.5) | | | | | 1/2 |
| GR-20 | - | 1 1/4 | 2/0str-4sol | 4.000 (101.6) | 1.500 (38.1) | 3.750 (95.3) | 2.063 (52.4) | | | | | 3/8 |
| GR-21 | - | 1 1/4 | 250kcmil-2/0sol | 4.500 (114.3) | 1.625 (41.3) | 3.875 (98.4) | 2.063 (52.4) | | | | | 3/8 |
| GR-26 | - | 1 1/2 | 2/0str-4sol | 4.250 (108.0) | 1.500 (38.1) | 4.000 (101.6) | 2.375 (60.3) | | | | | 3/8 |
| GR-27 | - | 1 1/2 | 250kcmil-2/0sol | 4.750 (120.7) | 1.750 (44.5) | 4.250 (108.0) | 2.375 (60.3) | | | | | 3/8 |
| GR-31* | - | 2 | 4str-8sol | 4.375 (111.1) | 1.500 (38.1) | 4.250 (108.0) | 2.813 (71.4) | | | | | 3/8 |
| GR-32* | - | 2 | 2/0str-4sol | 4.875 (123.8) | 1.500 (38.1) | 4.500 (114.3) | 2.813 (71.4) | | | | | 3/8 |
| GR-33* | - | 2 | 250kcmil-2/0sol | 5.250 (133.4) | 1.750 (44.5) | 5.000 (127.0) | 2.813 (71.4) | | | | | 1/2 |
| GR-38* | - | 2 1/2 | 2/0str-4sol | 5.375 (136.5) | 1.500 (38.1) | 5.000 (127.0) | 3.313 (84.1) | | | | | 3/8 |
| GR-39* | - | 2 1/2 | 250kcmil-2/0sol | 5.875 (149.2) | 1.750 (44.5) | 5.250 (133.4) | 3.313 (84.1) | | | | | 1/2 |
| GR-44* | - | 3 | 2/0str-4sol | 6.000 (152.4) | 1.500 (38.1) | 5.625 (142.9) | 3.938 (100.0) | | | | | 3/8 |
| GR-45* | - | 3 | 250kcmil-2/0sol | 6.375 (161.9) | 1.750 (44.5) | 5.750 (146.1) | 3.938 (100.0) | | | | | 1/2 |
| GR-50* | - | 3 1/2 | 2/0str-4sol | 6.375 (161.9) | 1.500 (38.1) | 5.875 (149.2) | 4.438 (112.7) | | | | | 1/2 |
| GR-61* | - | 4 | 2/0str-4sol | 6.688 (169.9) | 1.500 (38.1) | 6.375 (161.9) | 4.938 (125.4) | | | | | 1/2 |
| GR-62* | - | 4 | 250kcmil-2/0sol | 7.250 (184.2) | 1.750 (44.5) | 6.750 (171.5) | 4.938 (125.4) | | | | | 1/2 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

*UL File E158587

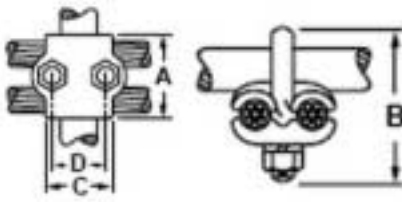
TYPE GT

Features

- Manufactured from copper alloy
- Furnished with silicon bronze nut, and lock washer
- UL 467 Listed for grounding and bonding up to 250kcmil

Benefits

- Provides maximum conductivity
- For clamping parallel cable and wires to pipe or rod in perpendicular orientation
- Suitable for direct burial in earth or concrete



| Catalog Number | Accommodates | | Wire Range | Dimensions - in. (mm) | | | | | | | | Bolt Size |
|----------------|--------------|----------------|-------------------|-----------------------|--------|-------|---------|-------|---------|-------|---------|-----------|
| | Rod | Iron Pipe Size | | A | B | C | D | | | | | |
| GT-1* | 1/2 | 1/4 | 4str-8sol | 1.625 | (41.3) | 2.000 | (50.8) | 1.625 | (41.3) | 1.000 | (25.4) | 3/8 |
| GT-3* | 1/2 | 1/4 | 250kcmil-2/0sol | 2.500 | (63.5) | 2.250 | (57.2) | 1.875 | (47.6) | 1.000 | (25.4) | 3/8 |
| GT-4* | 5/8 or 3/4 | 3/8 | 4str-8sol | 1.625 | (41.3) | 2.125 | (54.0) | 1.625 | (41.3) | 1.125 | (28.6) | 3/8 |
| GT-5* | 5/8 or 3/4 | 3/8 | 2/0str-4sol | 2.000 | (50.8) | 2.500 | (63.5) | 1.750 | (44.5) | 1.125 | (28.6) | 3/8 |
| GT-6* | 5/8 or 3/4 | 3/8 | 250kcmil-2/0sol | 2.500 | (63.5) | 2.625 | (66.7) | 1.875 | (47.6) | 1.125 | (28.6) | 3/8 |
| GT-7 | 5/8 or 3/4 | 3/8 | 500kcmil-300kcmil | 2.750 | (69.9) | 2.750 | (69.9) | 2.000 | (50.8) | 1.125 | (28.6) | 3/8 |
| GT-8* | 7/8 or 1 | 1/2 or 3/4 | 4str-8sol | 1.625 | (41.3) | 2.500 | (63.5) | 1.625 | (41.3) | 1.500 | (38.1) | 3/8 |
| GT-9* | 7/8 or 1 | 1/2 or 3/4 | 2/0str-4sol | 2.000 | (50.8) | 2.750 | (69.9) | 1.750 | (44.5) | 1.500 | (38.1) | 3/8 |
| GT-10* | 7/8 or 1 | 1/2 or 3/4 | 250kcmil-2/0sol | 2.500 | (63.5) | 2.875 | (73.0) | 1.875 | (47.6) | 1.500 | (38.1) | 3/8 |
| GT-13* | - | 1 | 4str-8sol | 1.625 | (41.3) | 2.750 | (69.9) | 1.625 | (41.3) | 1.750 | (44.5) | 3/8 |
| GT-14* | - | 1 | 2/0str-4sol | 2.000 | (50.8) | 3.000 | (76.2) | 1.750 | (44.5) | 1.750 | (44.5) | 3/8 |
| GT-15* | - | 1 | 250kcmil-2/0sol | 2.500 | (63.5) | 3.875 | (98.4) | 3.125 | (79.4) | 1.750 | (44.5) | 3/8 |
| GT-18* | - | 1 1/4 | 4str-8sol | 1.625 | (41.3) | 3.000 | (76.2) | 1.875 | (47.6) | 2.063 | (52.4) | 3/8 |
| GT-19* | - | 1 1/4 | 2/0str-4sol | 2.000 | (50.8) | 3.250 | (82.6) | 2.000 | (50.8) | 2.063 | (52.4) | 3/8 |
| GT-20* | - | 1 1/4 | 250kcmil-2/0sol | 2.500 | (63.5) | 3.500 | (88.9) | 2.125 | (54.0) | 2.063 | (52.4) | 3/8 |
| GT-25* | - | 1 1/2 | 2/0str-4sol | 2.000 | (50.8) | 3.500 | (88.9) | 2.375 | (60.3) | 2.375 | (60.3) | 3/8 |
| GT-26* | - | 1 1/2 | 250kcmil-2/0sol | 2.500 | (63.5) | 3.875 | (98.4) | 2.500 | (63.5) | 2.375 | (60.3) | 3/8 |
| GT-30* | - | 2 | 4str-8sol | 1.750 | (44.5) | 3.875 | (98.4) | 2.750 | (69.9) | 2.813 | (71.4) | 3/8 |
| GT-31* | - | 2 | 2/0str-4sol | 2.000 | (50.8) | 4.125 | (104.8) | 2.875 | (73.0) | 2.813 | (71.4) | 3/8 |
| GT-32* | - | 2 | 250kcmil-2/0sol | 2.625 | (66.7) | 4.250 | (108.0) | 3.000 | (76.2) | 2.813 | (71.4) | 3/8 |
| GT-37* | - | 2 1/2 | 2/0str-4sol | 2.000 | (50.8) | 4.500 | (114.3) | 3.375 | (85.7) | 3.313 | (84.1) | 3/8 |
| GT-38* | - | 2 1/2 | 250kcmil-2/0sol | 2.625 | (66.7) | 4.750 | (120.7) | 3.500 | (88.9) | 3.313 | (84.1) | 3/8 |
| GT-43* | - | 3 | 2/0str-4sol | 2.000 | (50.8) | 5.250 | (133.4) | 3.750 | (95.3) | 3.938 | (100.0) | 3/8 |
| GT-44* | - | 3 | 250kcmil-2/0sol | 2.625 | (66.7) | 5.500 | (139.7) | 3.750 | (95.3) | 3.938 | (100.0) | 3/8 |
| GT-49* | - | 3 1/2 | 2/0str-4sol | 2.000 | (50.8) | 5.875 | (149.2) | 3.875 | (98.4) | 4.438 | (112.7) | 3/8 |
| GT-50* | - | 3 1/2 | 250kcmil-2/0sol | 2.625 | (66.7) | 6.125 | (155.6) | 4.000 | (101.6) | 4.438 | (112.7) | 3/8 |
| GT-55* | - | 4 | 250kcmil-2/0sol | 2.625 | (66.7) | 6.500 | (165.1) | 4.750 | (120.7) | 4.938 | (125.4) | 3/8 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

*UL File E158587

PermaGround™ Ground Clamp Connectors

Transformer Ground Clamps

TYPE
GSE
HGSE

Features

- Manufactured from copper alloy
- Supplied with steel nuts and lock washers
- Range taking
- HGSE parts provide parallel and perpendicular conductor connection
- HGSE parts provide a hex or square shoulder

Benefits

- Provides maximum conductivity
- For clamping conductors to flat surfaces, acts as a seal to a transformer tank
- Minimizes inventory
- Efficient installation and flexibility in the field
- Accommodates wrench for tightening

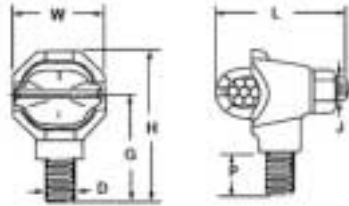


Fig. 1



Fig. 2

| Catalog Number | Figure Number | Wire Range | Dimensions - in. (mm) | | | | | Stud Size D | Eye Bolt J |
|----------------|---------------|---------------|-----------------------|---------------|---------------|---------------|---------------|-------------|------------|
| | | | G | H | L | P | W | | |
| GSE-C1 | 1 | 1str-10sol | 0.813 (20.64) | 1.250 (31.75) | 1.500 (38.10) | 0.438 (11.11) | 0.875 (22.23) | 1/2-13 | 3/8-16 |
| HGSE-C1* | 2 | 1str-10sol | 1.188 (30.16) | 1.750 (44.45) | 1.969 (50.01) | 0.438 (11.11) | 1.125 (28.58) | 1/2-13 | 3/8-16 |
| HGSE-020* | 2 | 2/0str-8sol | 1.313 (33.34) | 1.938 (49.21) | 2.000 (50.80) | 0.438 (11.11) | 1.250 (31.75) | 1/2-13 | 3/8-16 |
| HGSE-250* | 2 | 250kcmil-6sol | 1.188 (30.16) | 2.125 (53.98) | 2.625 (66.68) | 0.469 (11.91) | 1.875 (47.63) | 1/2-13 | 1/2-13 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

*Designates two-way basket

PermaGround™ Ground Clamp Connectors

Two Cables/One Looped Cable to Pipe

Pipe Range: 3/4" - 2"

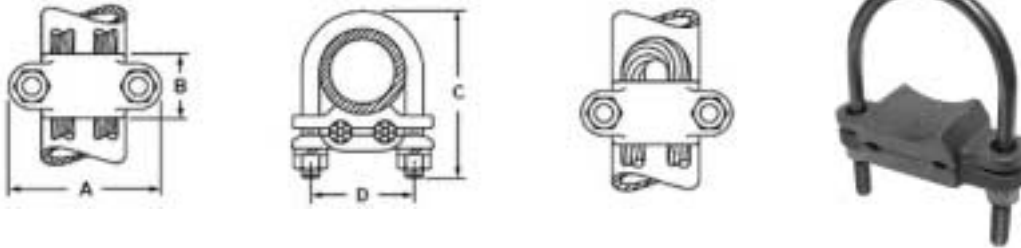
TYPE GU

Features

- Manufactured from copper alloy
- For parallel copper conductor connections to pipes
- Silicon bronze hardware
- Specially designed spacer
- UL 467 Listed for grounding and bonding up to 250kcmil

Benefits

- Provides maximum conductivity
- Efficient installation and flexibility in the field
- Corrosion resistant for longevity
- Enables conductor alignment and positive contact
- Suitable for direct burial in earth or concrete



| Catalog Number | Iron Pipe Size | Wire Range | Dimensions - in. (mm) | | | | | | | | Bolt Size |
|----------------|----------------|-------------------|-----------------------|---------|-------|--------|-------|---------|-------|--------|-----------|
| | | | A | | B | | C | | D | | |
| GU-0* | 3/4 | 4str-8sol | 2.500 | (63.5) | 0.875 | (22.2) | 2.625 | (66.7) | 1.500 | (38.1) | 3/8 |
| GU-1* | 1 | 4str-8sol | 2.750 | (69.9) | 1.125 | (28.6) | 3.000 | (76.2) | 1.750 | (44.5) | 3/8 |
| GU-2* | 1 | 2/0str-4sol | 2.750 | (69.9) | 1.125 | (28.6) | 3.250 | (82.6) | 1.750 | (44.5) | 3/8 |
| GU-3* | 1 | 250kcmil-2/0sol | 2.750 | (69.9) | 1.250 | (31.8) | 3.500 | (88.9) | 1.750 | (44.5) | 3/8 |
| GU-4* | 1 1/4 | 4str-8sol | 3.000 | (76.2) | 1.125 | (28.6) | 3.250 | (82.6) | 2.063 | (52.4) | 3/8 |
| GU-6* | 1 1/4 | 250kcmil-2/0sol | 3.000 | (76.2) | 1.375 | (34.9) | 3.750 | (95.3) | 2.063 | (52.4) | 3/8 |
| GU-7* | 1 1/2 | 4str-8sol | 3.375 | (85.7) | 1.250 | (31.8) | 3.500 | (88.9) | 2.375 | (60.3) | 3/8 |
| GU-8* | 1 1/2 | 2/0str-4sol | 3.375 | (85.7) | 1.375 | (34.9) | 3.625 | (92.1) | 2.375 | (60.3) | 3/8 |
| GU-9* | 1 1/2 | 250kcmil-2/0sol | 3.375 | (85.7) | 1.500 | (38.1) | 3.750 | (95.3) | 2.375 | (60.3) | 3/8 |
| GU-10* | 2 | 4str-8sol | 3.750 | (95.3) | 1.375 | (34.9) | 3.875 | (98.4) | 2.813 | (71.4) | 3/8 |
| GU-11* | 2 | 2/0str-4sol | 3.750 | (95.3) | 1.375 | (34.9) | 4.125 | (104.8) | 2.813 | (71.4) | 3/8 |
| GU-12* | 2 | 250kcmil-2/0sol | 3.750 | (95.3) | 1.375 | (34.9) | 4.250 | (108.0) | 2.813 | (71.4) | 3/8 |
| GU-13 | 2 | 500kcmil-300kcmil | 4.000 | (101.6) | 1.500 | (38.1) | 4.625 | (117.5) | 2.938 | (74.6) | 1/2 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

*UL File E158587

G

PermaGround™ Ground Clamp Connectors

Two Cables/One Looped Cable to Pipe

Pipe Range: 2-1/2" – 4"

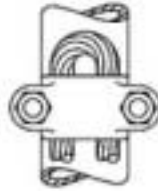
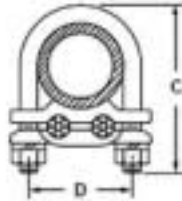
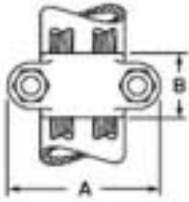
TYPE GU

Features

- Manufactured from copper alloy
- For parallel copper conductor connections to pipes
- Silicon bronze hardware
- Specially designed spacer
- UL 467 Listed for grounding and bonding up to 250kcmil

Benefits

- Provides maximum conductivity
- Efficient installation and flexibility in the field
- Corrosion resistant for longevity
- Enables conductor alignment and positive contact
- Suitable for direct burial in earth or concrete



| Catalog Number | Iron Pipe Size | Wire Range | Dimensions - in. (mm) | | | | | | | | Bolt Size |
|----------------|----------------|-------------------|-----------------------|---------|-------|--------|-------|---------|-------|---------|-----------|
| | | | A | | B | | C | | D | | |
| GU-14* | 2 1/2 | 4str-8sol | 4.250 | (108.0) | 1.375 | (34.9) | 5.000 | (127.0) | 3.313 | (84.1) | 3/8 |
| GU-15* | 2 1/2 | 2/0str-4sol | 4.250 | (108.0) | 1.375 | (34.9) | 5.125 | (130.2) | 3.313 | (84.1) | 3/8 |
| GU-16* | 2 1/2 | 250kcmil-2/0sol | 4.250 | (108.0) | 1.375 | (34.9) | 5.250 | (133.4) | 3.313 | (84.1) | 3/8 |
| GU-17 | 2 1/2 | 500kcmil-300kcmil | 4.500 | (114.3) | 1.500 | (38.1) | 5.500 | (139.7) | 3.438 | (87.3) | 1/2 |
| GU-19* | 3 | 4str-8sol | 5.000 | (127.0) | 1.375 | (34.9) | 5.250 | (133.4) | 3.938 | (100.0) | 3/8 |
| GU-20* | 3 | 2/0str-4sol | 5.000 | (127.0) | 1.375 | (34.9) | 5.500 | (139.7) | 3.938 | (100.0) | 3/8 |
| GU-21* | 3 | 250kcmil-2/0sol | 5.000 | (127.0) | 1.375 | (34.9) | 5.750 | (146.1) | 3.938 | (100.0) | 3/8 |
| GU-22 | 3 | 500kcmil-300kcmil | 5.250 | (133.4) | 1.500 | (38.1) | 6.000 | (152.4) | 4.063 | (103.2) | 1/2 |
| GU-25* | 3 1/2 | 4str-8sol | 5.500 | (139.7) | 1.500 | (38.1) | 6.000 | (152.4) | 4.438 | (112.7) | 3/8 |
| GU-26* | 3 1/2 | 2/0str-4sol | 5.500 | (139.7) | 1.500 | (38.1) | 6.125 | (155.6) | 4.438 | (112.7) | 3/8 |
| GU-27* | 3 1/2 | 250kcmil-2/0sol | 5.500 | (139.7) | 1.500 | (38.1) | 6.250 | (158.8) | 4.438 | (112.7) | 3/8 |
| GU-28 | 3 1/2 | 500kcmil-300kcmil | 5.750 | (146.1) | 1.750 | (44.5) | 6.375 | (161.9) | 4.563 | (115.9) | 1/2 |
| GU-31* | 4 | 4str-8sol | 6.000 | (152.4) | 1.500 | (38.1) | 6.500 | (165.1) | 4.938 | (125.4) | 3/8 |
| GU-32* | 4 | 2/0str-4sol | 6.000 | (152.4) | 1.500 | (38.1) | 6.750 | (171.5) | 4.938 | (125.4) | 3/8 |
| GU-33* | 4 | 250kcmil-2/0sol | 6.000 | (152.4) | 1.625 | (41.3) | 7.000 | (177.8) | 4.938 | (125.4) | 3/8 |
| GU-34 | 4 | 500kcmil-300kcmil | 6.250 | (158.8) | 1.625 | (41.3) | 7.250 | (184.2) | 5.063 | (128.6) | 1/2 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

*UL File E158587

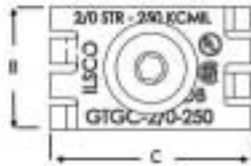
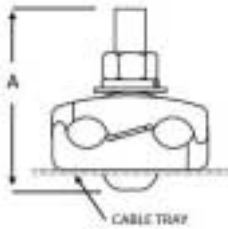
TYPE GTGC

Features

- Manufactured from tin plated high strength copper alloy
- Furnished with stainless steel bolt, nut, and lock washer
- Internal hex drive
- Accommodates multiple rebar sizes
- May be mounted to an aluminum or galvanized steel cable tray
- UL 467 Listed for grounding and bonding

Benefits

- Provides maximum conductivity and corrosion resistance
- For clamping two parallel conductors to a cable tray
- Easy installation
- Suitable for grounding to rebar
- Installation flexibility
- Suitable for direct burial in earth or concrete



| Catalog Number | Wire Range | Dimensions - in. (mm) | | | Rebar Sizes | Internal Hex Size | Hex Size |
|----------------|-----------------|-----------------------|--------------|--------------|---------------|-------------------|----------|
| | | A | B | C | | | |
| GTGC-6-1/0 | 1/0str-6sol | 2.199 (55.9) | 1.150 (29.2) | 1.491 (37.9) | 3/8, 1/2, 5/8 | 7/32 | 3/8 |
| GTGC-2-2/0 | 2/0str-2sol | 2.199 (55.9) | 1.150 (29.2) | 1.734 (44.0) | 3/8, 1/2 | 7/32 | 3/8 |
| GTGC-2/0-250 | 250kcmil-2/0str | 2.199 (55.9) | 1.150 (29.2) | 1.875 (47.6) | 3/8 | 7/32 | 3/8 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Note: Bolt head is mounted inside of wall of cable tray to avoid damaging the cable insulation

When used on aluminum conductors, the cable must be scratch brushed and a joint compound must be used on the cable and the connector

UL File E34440

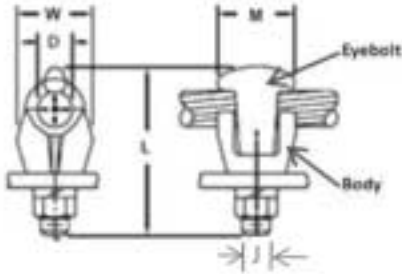
TYPE
LS
LSN

Features

- Body is manufactured from copper alloy
- Eye-bolts are made from an aluminum bronze alloy
- Available in two mounting surface thickness ranges

Benefits

- Provides maximum conductivity
- Offers maximum strength
- Mountable to flat studs or spades on equipment as well as grounding conductor to steel substation structures



| Catalog Number | Wire Range | Dimensions - in. (mm) | | | | | | | | Hex Size | |
|----------------|------------------|-----------------------|---------|-------|---------|-------|--------|-------|--------|----------|------|
| | | D | | L | | M | | W | | | J |
| LSN-2/0N* | 2/0str-8sol | 0.438 | (11.1) | 2.375 | (60.3) | 1.375 | (34.9) | 1.000 | (25.4) | 1/2 | 3/4 |
| LSN-025N* | 250kcmil-6sol | 0.625 | (15.9) | 2.563 | (65.1) | 1.250 | (31.8) | 1.063 | (27.0) | 1/2 | 3/4 |
| LSN-035N* | 350kcmil-2sol | 0.813 | (20.6) | 3.063 | (77.8) | 1.250 | (31.8) | 1.313 | (33.3) | 1/2 | 3/4 |
| LS-C1E+ | 1str-10sol | 0.344 | (8.73) | 2.375 | (60.3) | 1.063 | (27.0) | 0.875 | (22.2) | 3/8 | 9/16 |
| LSN-025NE+ | 250kcmil-6sol | 0.625 | (15.88) | 3.063 | (77.8) | 1.250 | (31.8) | 1.063 | (27.0) | 1/2 | 3/4 |
| LSN-035NE+ | 350kcmil-2sol | 0.813 | (20.64) | 3.313 | (84.1) | 1.250 | (31.8) | 1.313 | (33.3) | 1/2 | 3/4 |
| LSN-100NE+ | 1000kcmil-2/0sol | 1.250 | (31.75) | 4.500 | (114.3) | 1.719 | (43.7) | 1.688 | (42.9) | 1/2 | 3/4 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

"N" in prefix qualifies terminal for mounting on NEMA pads

"N" in suffix qualifies eye-bolt opening to NEMA

*Up to a 1/4" mounting surface

+1/4" to 3/4" mounting surface

G

TYPE NB

Features

- Preassembled, stacked neutral bars
- Available with phenolic base
- Electro-tin plated
- Fabricated from high strength 6061-T6 aluminum alloy

Benefits

- Compact, space saving design offers multiple range taking flexibility and is suitable for grounding applications
- Provides insulation from mounting surface
- Provides low contact resistance
- Suitable for use with either copper or aluminum conductors

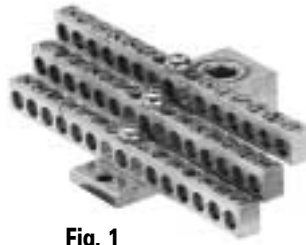
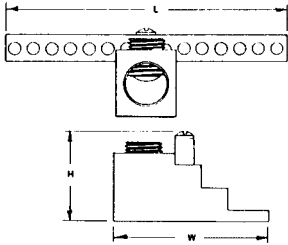


Fig. 1



Fig. 2

| Catalog Number | Figure Number | Number Of Circuit Taps | Wire Range | | Dimensions | | | Two Tapped Mounting Holes | Hex Size | |
|------------------|---------------|------------------------|--------------|------------|-------------------------------|---------|---------|---------------------------|----------|------|
| | | | Circuit Taps | Line Loads | Approx. Height with Max. Wire | L | W | | Main | Tap |
| NB-350-12 | 1 | 12 | 14-4 | 350kcmil-6 | 1-17/32 | 4-23/32 | 2-17/32 | 10-32 | 3/8 | Slot |
| NB-350-12-W/R16* | 2 | 12 | 14-4 | 350kcmil-6 | 2-17/32 | 4-23/32 | 2-17/32 | 10-32 | 3/8 | Slot |
| NB-350-24 | 1 | 24 | 14-4 | 350kcmil-6 | 1-17/32 | 4-23/32 | 2-17/32 | 10-32 | 3/8 | Slot |
| NB-350-24-W/R16* | 2 | 24 | 14-4 | 350kcmil-6 | 2-17/32 | 4-23/32 | 2-17/32 | 10-32 | 3/8 | Slot |
| NB-350-30 | 1 | 30 | 14-4 | 350kcmil-6 | 1-17/32 | 4-3/32 | 2-17/32 | 10-32 | 3/8 | Slot |
| NB-350-30-W/R16* | 2 | 30 | 14-4 | 350kcmil-6 | 2-17/32 | 4-3/32 | 2-17/32 | 10-32 | 3/8 | Slot |
| NB-350-36 | 1 | 36 | 14-4 | 350kcmil-6 | 1-17/32 | 4-23/32 | 2-17/32 | 10-32 | 3/8 | Slot |
| NB-350-36-W/R16* | 2 | 36 | 14-4 | 350kcmil-6 | 2-17/32 | 4-23/32 | 2-17/32 | 10-32 | 3/8 | Slot |
| NB-350-42 | 1 | 42 | 14-4 | 350kcmil-6 | 1-17/32 | 5-11/32 | 2-17/32 | 10-32 | 3/8 | Slot |
| NB-350-42-W/R16* | 2 | 42 | 14-4 | 350kcmil-6 | 2-17/32 | 5-11/32 | 2-17/32 | 10-32 | 3/8 | Slot |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* Part includes phenolic mounting block R-16

Tested to UL 486A/B, UL File E6207

G

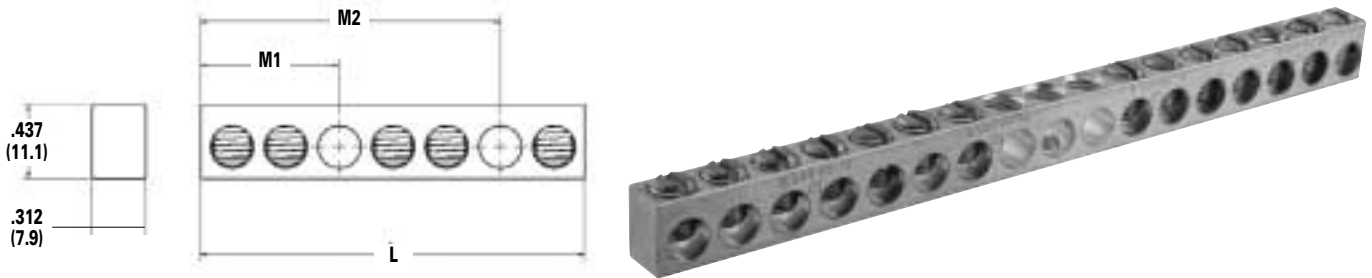
TYPE NBAS

Features

- Manufactured from high strength aluminum alloy
- Electro-tin plated
- Dual rated
- Assemblies available with 2-231 circuits
- UL Recognized for grounding and power, and CSA Certified

Benefits

- Provides maximum conductivity
- Low contact resistance
- Use with both copper and aluminum conductors
- Application versatility
- Ensures reliability



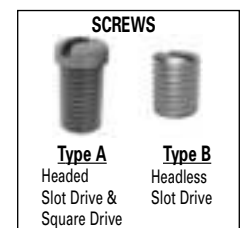
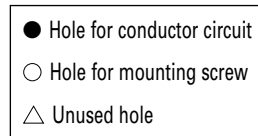
| Catalog Number | Number of Circuits | Mounting Hole Locations ¹ in. (mm) | | Screw Type | Configuration | Dimensions in. (mm) | |
|----------------|--------------------|---|--------------|------------|---------------|---------------------|----------|
| | | M1 | M2 | | | L | |
| NBAS-002-1-A | 2 | 0.492 (12.5) | - | A | ●○● | 0.984 | (25.0) |
| NBAS-002-1-B | 2 | 0.492 (12.5) | - | B | ●○● | 0.984 | (25.0) |
| NBAS-003-1-A | 3 | 0.804 (20.4) | - | A | ●●○● | 1.296 | (32.9) |
| NBAS-003-1-B | 3 | 0.804 (20.4) | - | B | ●●○● | 1.296 | (32.9) |
| NBAS-004-1-B | 4 | 0.804 (20.4) | - | B | ●●○●● | 1.608 | (40.8) |
| NBAS-004-2-B | 4 | 0.180 (4.6) | 1.740 (44.2) | B | ○●●●●○ | 1.920 | (48.8) |
| NBAS-006-1-B | 6 | 1.116 (28.3) | - | B | ●●●○●● | 2.232 | (56.7) |
| NBAS-008-2-A | 8 | 0.492 (12.5) | 2.676 (68.0) | A | ●○●●●●●○● | 3.168 | (80.5) |
| NBAS-009-2-A | 9 | 0.180 (4.6) | 3.300 (83.8) | A | ○●●●●●●●○△ | 3.792 | (96.3) |
| NBAS-010-1-B | 10 | 2.052 (52.1) | - | B | ●●●●△○△●●●● | 4.104 | (104.2) |
| NBAS-012-1-B | 12 | 2.364 (60.0) | - | B | ●●●●△○△●●●● | 4.728 | (120.1) |
| NBAS-012-2-A | 12 | 1.116 (28.3) | 3.300 (83.8) | A | ●●●○●●●●●○●● | 4.416 | (112.2) |
| NBAS-013-2-A | 13 | 1.116 (28.3) | 3.612 (91.7) | A | ●●●○●●●●●○●● | 4.728 | (120.1) |
| NBAS-014-1-B | 14 | 2.676 (60.0) | - | B | ●●●●●△○△●●●● | 5.354 | (136.0) |
| NBAS-192-0-A* | 192 | - | - | A | ● x 192 | 60.000 | (1524.0) |
| NBAS-192-0-B | 192 | - | - | B | ● x 192 | 60.000 | (1524.0) |
| NBAS-231-0-A* | 231 | - | - | A | ● x 231 | 72.000 | (1828.8) |
| NBAS-231-0-B | 231 | - | - | B | ● x 231 | 72.000 | (1828.8) |

¹ Mounting holes have a diameter of 0.203 in. (5.2mm)
All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* Screws are provided unassembled

Tested to UL 486A/B, UL File E6207 and CSA C22.2 No. 65-03

Tested to UL 467, UL File E6207



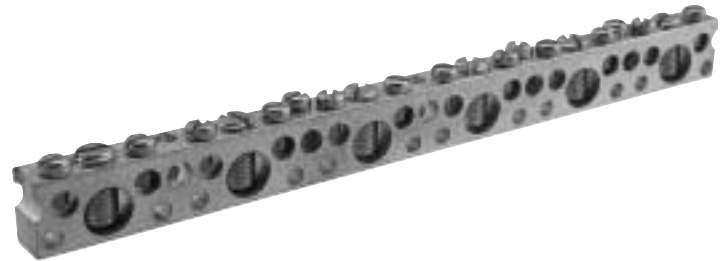
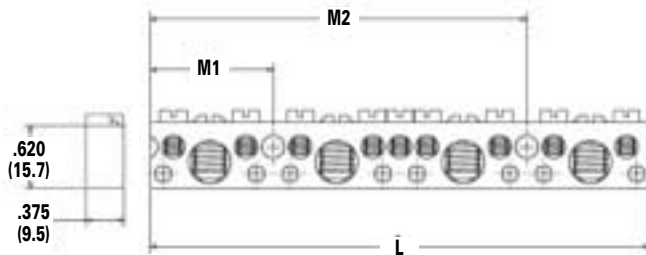
TYPE NBAE

Features

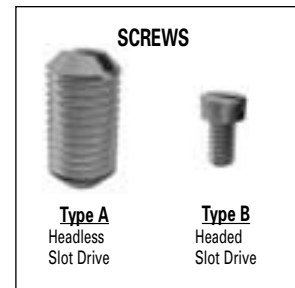
- Manufactured from high strength aluminum alloy
- Electro-tin plated
- Dual rated
- Assemblies available with 6-123 circuits
- UL Recognized for grounding and power, and CSA Certified

Benefits

- Provides maximum conductivity
- Low contact resistance
- Use with both copper and aluminum conductors
- Application versatility
- Ensures reliability



| Catalog Number | Number of Large Circuits ¹ | Number of Small Circuits ² | Mounting Hole Locations ³ in. (mm) | | | | Dimensions in. (mm) | |
|----------------|---------------------------------------|---------------------------------------|--|---------|-------|---------|------------------------|---------|
| | | | M1 | | M2 | | L | |
| NBAE-0204-1 | 2 | 4 | 1.133 | (28.8) | - | - | 2.265 | (57.5) |
| NBAE-0307-1 | 3 | 7 | 2.305 | (58.5) | - | - | 3.438 | (87.3) |
| NBAE-0409-2 | 4 | 9 | 1.133 | (28.8) | 3.477 | (88.3) | 4.609 | (117.1) |
| NBAE-0410-1 | 4 | 10 | 2.305 | (58.5) | - | - | 4.609 | (117.1) |
| NBAE-0512-2 | 5 | 12 | 2.305 | (58.5) | 4.648 | (118.1) | 5.781 | (146.8) |
| NBAE-0615-2 | 6 | 15 | 3.477 | (88.3) | 5.821 | (147.9) | 6.954 | (176.6) |
| NBAE-0924-2 | 9 | 24 | 2.305 | (58.5) | 9.336 | (237.1) | 10.468 | (265.9) |
| NBAE-1233-2 | 12 | 33 | 5.820 | (147.8) | 8.164 | (207.4) | 13.986 | (355.2) |
| NBAE-3192-0 | 31 | 92 | - | - | - | - | 36.250 | (920.8) |



¹ Large Circuits have a conductor range of 1/0-14AWG

² Small Circuits have a conductor range of 6-14AWG

³ Mounting holes have a diameter of 0.203 in. (5.2mm)

| Catalog Number | Configuration |
|----------------|---|
| NBAE-0204-1 | ★●★○★●★ |
| NBAE-0307-1 | ★●★●★●★○★●★ |
| NBAE-0409-2 | ★●★○★●★●★●★○★●★ |
| NBAE-0410-1 | ★●★●★●★○★●★●★●★ |
| NBAE-0512-2 | ★●★●★●★○★●★●★●★○★●★ |
| NBAE-0615-2 | ★●★●★●★●★○★●★●★●★○★●★ |
| NBAE-0924-2 | ★●★●★●★○★●★●★●★●★●★●★●★●★●★●★●★○★●★ |
| NBAE-1233-2 | ★●★●★●★●★●★●★●★●★●★○★●★●★●★○★●★●★●★●★●★●★●★●★●★●★●★ |
| NBAE-3192-0 | ★●★●★●● ★★●● x 28 ★★●●★ |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207 and CSA C22.2 No. 65-03
Tested to UL 467, UL File E6207

★ Hole for small circuit
● Hole for large circuit
○ Hole for mounting screw



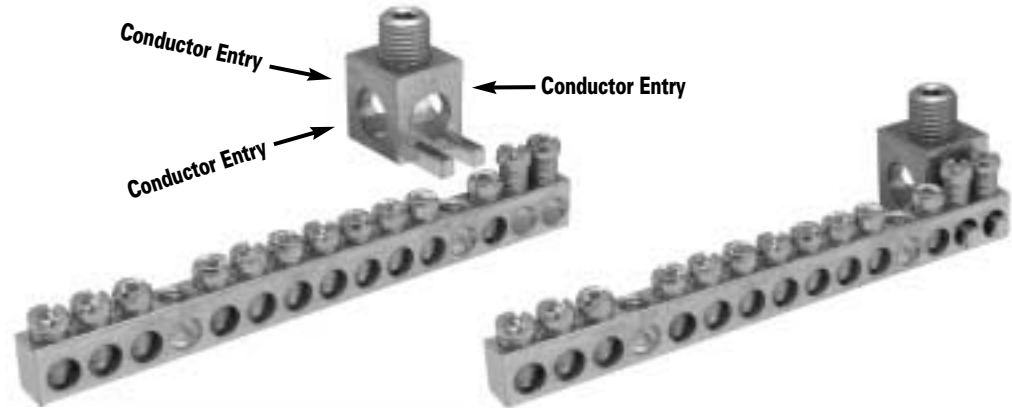
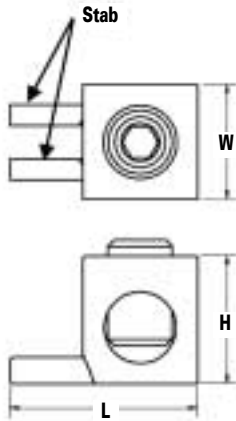
TYPE NBST

Features

- Connects a 2/0-14 conductor to a neutral bar
- Seamless stabs
- Conductor entry at 90° or parallel to neutral bar
- Mounts to solar nodes and neutral bars with hole spacing from .300" to .350"
- Hex socket screw included
- Manufactured from high strength aluminum
- Electro-tin plated
- UL 486 A/B and UL 467 Recognized, 90° C

Benefits

- Enables connection of a larger conductor for application versatility
- Provide dual current path for reliability and cool operation
- Multiple conductor orientation
- For diverse field applications
- Offers higher torque rating for reliability
- Suitable for use with copper or aluminum conductors
- Provides low contact resistance
- For power and grounding applications



| Catalog Number | Wire Range | Dimensions - in. (mm) | | | Hex Size |
|----------------|------------|-----------------------|--------------|--------------|----------|
| | | L | W | H | |
| NBST-2/0 | 2/0-14 | 1.140 (29.0) | 0.700 (17.8) | 0.780 (19.8) | 3/16 |

UL Recognized for use with ILSCO

| Neutral Bars | Solar Nodes |
|--------------|-------------|
| NB-350 | SCNL |
| NBAS | SCNM |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX oxide inhibitor is recommended for all aluminum terminations

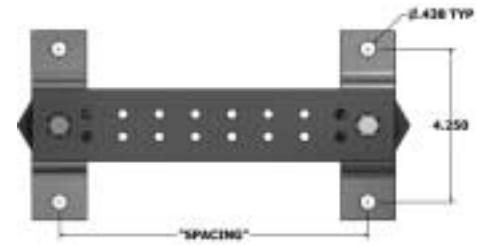
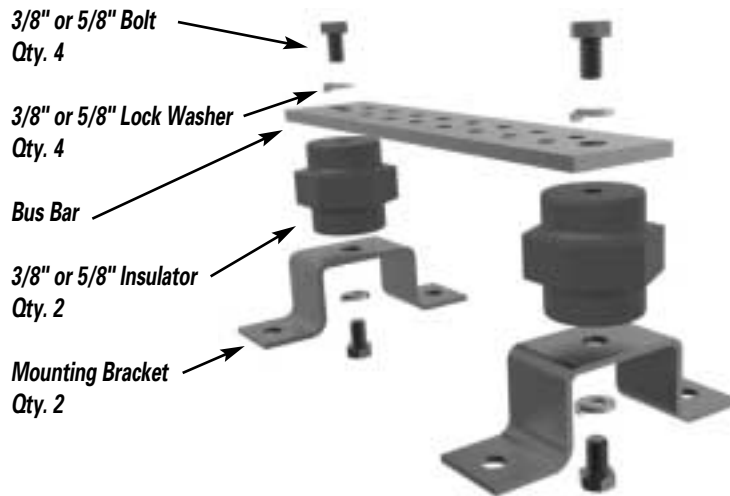
TYPE BBFC

Features

- Bars manufactured from copper
- Supplied with insulators, brackets & mounting hardware
- Stainless steel mounting bracket
- Large thread insulator mounting hardware
- Common bracket mounting

Benefits

- Ensures maximum conductivity and strength
- Out of box ready for installation. Lock washers prevent loosening of insulator bolts
- Corrosion resistance
- Ideal for heavy duty service
- Simplicity. Common pattern dimension fits all



Mounting Bracket Hole Pattern

| Catalog Number | Insulator | Spacing | Dimensions | | |
|-------------------|----------------|---------|------------|-------|-----------|
| | | | Length | Width | Thickness |
| BBFC-2-10-16-KIT | (2) 2500V, 3/8 | 8.50 | 10.00 | 2.00 | 0.25 |
| BBFC-2-24-36-KIT | (2) 2500V, 3/8 | 22.00 | 24.00 | 2.00 | 0.25 |
| BBFC-4-10-22A-KIT | (2) 2500V, 3/8 | 8.50 | 10.00 | 4.00 | 0.25 |
| BBFC-4-10-22B-KIT | (2) 2500V, 3/8 | 8.50 | 10.00 | 4.00 | 0.25 |
| BBFC-4-12-KIT | (2) 2500V, 3/8 | 10.50 | 12.00 | 4.00 | 0.25 |
| BBFC-4-12-18-KIT | (2) 2500V, 3/8 | 10.50 | 12.00 | 4.00 | 0.25 |
| BBFC-4-12-24-KIT | (2) 2500V, 3/8 | 10.50 | 12.00 | 4.00 | 0.25 |
| BBFC-4-16-24-KIT | (2) 3400V, 5/8 | 14.50 | 16.00 | 4.00 | 0.25 |
| BBFC-4-16-32-KIT | (2) 2500V, 3/8 | 14.50 | 16.00 | 4.00 | 0.25 |
| BBFC-4-20-KIT | (2) 3400V, 5/8 | 18.50 | 20.00 | 4.00 | 0.25 |
| BBFC-4-20-18-KIT | (2) 3400V, 5/8 | 18.50 | 20.00 | 4.00 | 0.25 |
| BBFC-4-20-68-KIT | (2) 3400V, 5/8 | 18.50 | 20.00 | 4.00 | 0.25 |
| BBFC-4-24-KIT | (2) 2500V, 3/8 | 22.50 | 24.00 | 4.00 | 0.25 |
| BBFC-4-24-36-KIT | (2) 2500V, 3/8 | 22.50 | 24.00 | 4.00 | 0.25 |

TYPE BBFC

Features

- Manufactured from copper
- Industry standard
- Master grounding point
- Multiple connection points

Benefits

- Ensures maximum conductivity and strength
- Assemble & install
- Protects equipment from incoming surges
- Accommodates NEMA and conventional lug mountings.
Eliminates miss-wiring which can lead to EMI immunity issues



Fig. 1



Fig. 2



Fig. 3

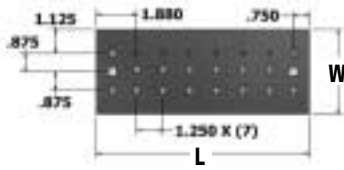


Fig. 4

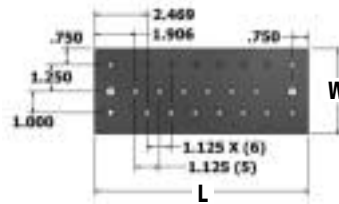


Fig. 5

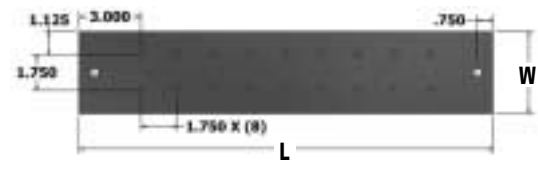


Fig. 6

| Catalog Number | Figure Number | Insulator Mounting Size | Number of Mounting Points | Hole Size | Dimensions | | |
|----------------|---------------|-------------------------|---------------------------|-----------------------------|------------|-------|-----------|
| | | | | | Length | Width | Thickness |
| BBFC-4-12 | 1 | 3/8 | none | none | 12.00 | 4.00 | 0.25 |
| BBFC-4-20 | 2 | 5/8 | none | none | 20.00 | 4.00 | 0.25 |
| BBFC-4-24 | 3 | 3/8 | none | none | 24.00 | 4.00 | 0.25 |
| BBFC-4-10-22A | 4 | 3/8 | (6) | 6-32 Threaded 0.281 Dia. | 10.00 | 4.00 | 0.25 |
| BBFC-4-10-22B | 5 | 3/8 | (6) | 6-32 Threaded 0.281 Dia. | 10.00 | 4.00 | 0.25 |
| BBFC-4-20-18 | 6 | 5/8 | (18) | 1/4-20 Threaded | 20.00 | 4.00 | 0.25 |

G

TYPE BBFC

Features

- Manufactured from copper
- Industry standard
- Master grounding point
- Multiple connection points

Benefits

- Ensures maximum conductivity and strength
- Assemble & install
- Protects equipment from incoming surges
- Accommodates NEMA and conventional lug mountings.
Eliminates miss-wiring which can lead to EMI immunity issues

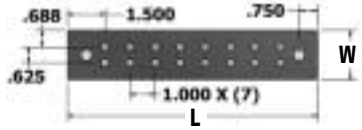


Fig. 1

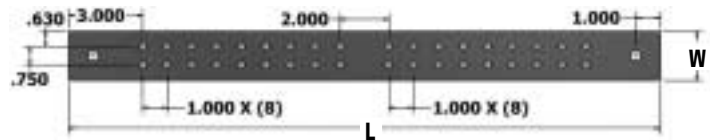


Fig. 2

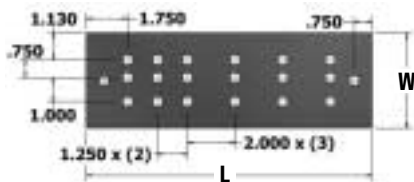


Fig. 3

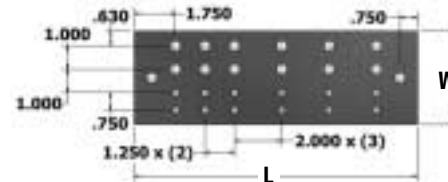


Fig. 4

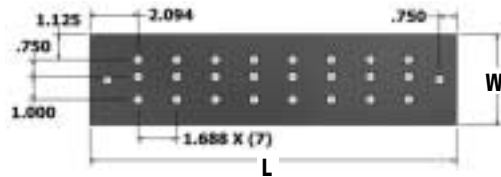


Fig. 5

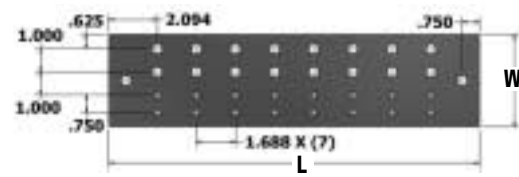


Fig. 6

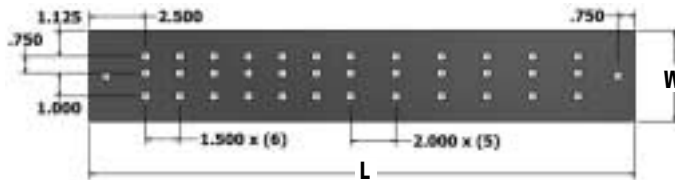


Fig. 7

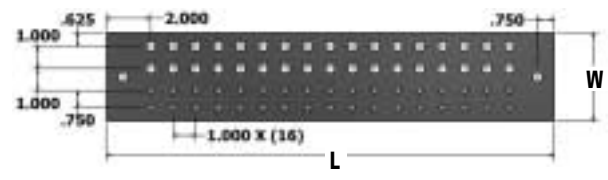


Fig. 8

| Catalog Number | Figure Number | Insulator Mounting Size | Number of Mounting Points | Hole Size | Dimensions | | |
|----------------|---------------|-------------------------|---------------------------|--------------------------|------------|-------|-----------|
| | | | | | Length | Width | Thickness |
| BBFC-2-10-16 | 1 | 3/8 | (16) | 0.281 Dia. | 10.00 | 2.00 | 0.25 |
| BBFC-2-24-36 | 2 | 3/8 | (36) | 0.281 Dia. | 24.00 | 2.00 | 0.25 |
| BBFC-4-12-18 | 3 | 3/8 | (18) | 0.437 Dia. | 12.00 | 4.00 | 0.25 |
| BBFC-4-12-24 | 4 | 3/8 | (12) (12) | 0.437 Dia. 0.281 Dia. | 12.00 | 4.00 | 0.25 |
| BBFC-4-16-24 | 5 | 5/8 | (24) | 0.437 Dia. | 16.00 | 4.00 | 0.25 |
| BBFC-4-16-32 | 6 | 3/8 | (16) (16) | 0.437 Dia. 0.250 Dia. | 16.00 | 4.00 | 0.25 |
| BBFC-4-24-36 | 7 | 3/8 | (36) | 0.437 Dia. | 24.00 | 4.00 | 0.25 |
| BBFC-4-20-68 | 8 | 5/8 | (34) (34) | 0.437 Dia. 0.250 Dia. | 20.00 | 4.00 | 0.25 |

TYPE BBFC

Features

- Manufactured from copper
- Industry standard
- Rack grounding point
- Multiple connection points

Benefits

- Ensures maximum conductivity and strength
- Assemble & install
- Optimal for telecommunication systems
- Accommodates NEMA and conventional lug mountings.
Eliminates miss-wiring which can lead to EMI immunity issues

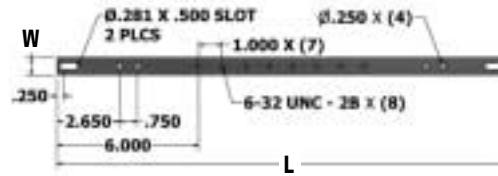


Fig. 1

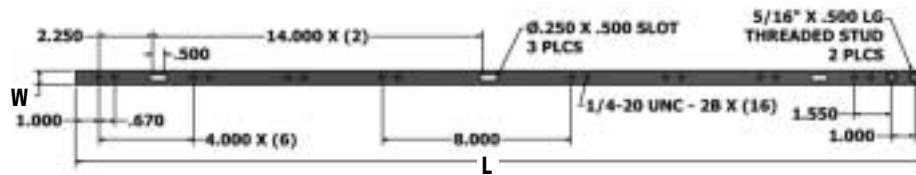


Fig. 2

| Catalog Number | Figure Number | Dimensions | | |
|-------------------|---------------|------------|-------|-----------|
| | | Length | Width | Thickness |
| BBFC-34-19-12-316 | 1 | 19.00 | 0.75 | 0.187 |
| BBFC-1-36-16 | 2 | 36.00 | 1.00 | 0.250 |
| BBFC-58-36-16 | 2 | 36.00 | 0.63 | 0.250 |

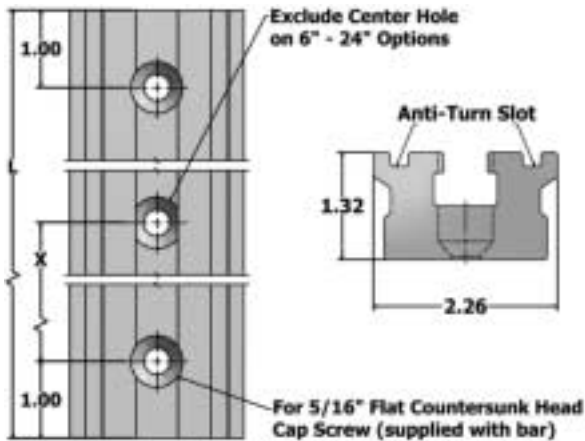
TYPE BBTA

Features

- T-slot accommodates hex, square & 1/4-turn bolt heads
- Slot available on full length of bar
- Upward pointing bolt threads
- Recessed insulator mounting hardware
- 1.6 kA continuous current rating
- Anti-turn slot designed to function with ATTA-2/0-12, ATTA-350-12, ATTA-600-12, ATTA-1000-12
- Manufactured from high strength aluminum alloy
- Electro-tin plated
- Supplied with countersunk cap screws
- Installation will not require current protective device up to 65 kA SCCR rating
- Patent 9,698,578

Benefits

- Prevents bolt rotation for one handed connector mounting
- Place connectors anywhere on the bar
- Eliminates potential for electrical arc underneath bar
- Use 100% of bar length for mounting connectors
- Eases certification efforts by using UL Recognized components
- Aligned connection for cross-wise and adjacent connector placement
- Suitable for use with copper or aluminum connectors
- Low contact resistance
- Bar mounting surface free of connection obstacles



Connector Mounting Hardware

Commercially Available*

| Bolt Type | Bolt Length (in.) | For Use With |
|--|-------------------|-----------------------------|
| 1/2" Diameter Stainless Steel HEX Bolt <i>ASME B18.2.1</i> | 1.25 | Compression/mechanical lugs |
| | 1.50 | Panel board lugs |
| | 2.75 | Stacked compression lugs |
| Square Bolt <i>ASME B18.2.1</i> | 1.25 | Compression/mechanical lugs |
| | 1.50 | Panel board lugs |
| | 2.75 | Stacked compression lugs |

ILSCO Connector Mounting Hardware*

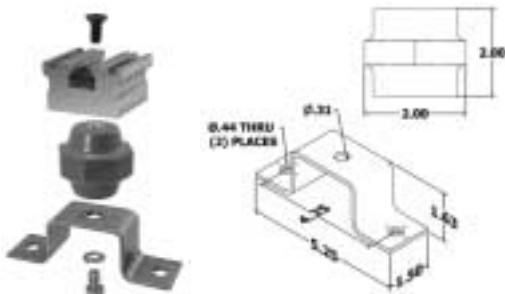
| 1/4 Turn Bolt | Bolt Length (in.) | For Use With |
|---------------|-------------------|-----------------------------|
| E1607C01Z | 1.25 | Compression/mechanical lugs |
| E1607C02Z | 1.50 | Panel board lugs |
| E1607C03Z | 2.75 | Stacked compression lugs |

* Mounting hardware optional, not supplied with bus bar

G

| Catalog Number | Number of Mounting Holes | Dimensions - in. (mm) | | |
|--------------------|--------------------------|-----------------------|---------|---------------|
| | | L | | X |
| BBTA-1T-1600-00600 | 2 | 6.00 | (152.4) | - |
| BBTA-1T-1600-01200 | 2 | 12.00 | (304.8) | - |
| BBTA-1T-1600-01800 | 2 | 18.00 | (457.2) | - |
| BBTA-1T-1600-02400 | 2 | 24.00 | (609.6) | - |
| BBTA-1T-1600-03000 | 3 | 30.00 | (762.0) | 14.00 (355.6) |
| BBTA-1T-1600-03600 | 3 | 36.00 | (914.4) | 17.00 (431.8) |

Recognized to UL 486A/B, UL File E6207
UL Listed to UL467, UL File E34440



Optional Insulator Mounting Kit

| Kit Catalog Number | Voltage | Short Circuit Current Rating (SCCR) | Kit Components |
|--------------------|---------|-------------------------------------|---|
| INS-516K | 2,500 V | 65 kA | (1) Mounting Bracket (1) 5/16-18 Insulator (1) Split Washer (1) 5/16-18 - 3/16 Flat Countersunk Head Cap Screw (1) 5/16-18 - 1/2 Hex Bolt |

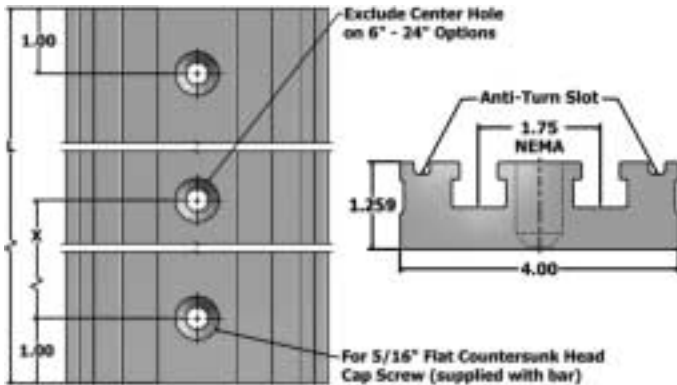
TYPE BBTA

Features

- T-slots accommodates hex, square & 1/4-turn bolt heads
- Slots available on full length of bar
- Upward pointing bolt threads
- Recessed insulator mounting hardware
- 3 kA continuous current rating
- Anti-turn slot designed to function with ATTA-2/0-12, ATTA-350-12, ATTA-600-12, ATTA-1000-12
- Double T-slot
- Manufactured from high strength aluminum alloy
- Electro-tin plated
- Supplied with countersunk cap screws
- Installation will not require current protective device up to 65 kA SCCR rating
- Patent 9,698,578

Benefits

- Prevents bolt rotation for one handed connector mounting
- Place connectors anywhere on the bar
- Eliminates potential for electrical arc underneath bar
- Use 100% of bar length for mounting connectors
- Eases certification efforts by using UL Recognized components
- Aligned connection for cross-wise and adjacent connector placement
- Enables 2x wire placement for greater connector density
- Suitable for use with copper or aluminum connectors
- Low contact resistance
- Bar mounting surface free of connection obstacles
- Installation will not require current protective device up to 65 kA SCCR rating



Connector Mounting Hardware

Commercially Available*

| Bolt Type | Bolt Length (in.) | For Use With |
|--|-------------------|-----------------------------|
| 1/2" Diameter Stainless Steel HEX Bolt <i>ASME B18.2.1</i> | 1.25 | Compression/mechanical lugs |
| | 1.50 | Panel board lugs |
| | 2.75 | Stacked compression lugs |
| Square Bolt <i>ASME B18.2.1</i> | 1.25 | Compression/mechanical lugs |
| | 1.50 | Panel board lugs |
| | 2.75 | Stacked compression lugs |

ILSCO Connector Mounting Hardware*

| 1/4 Turn Bolt | Bolt Length (in.) | For Use With |
|---------------|-------------------|-----------------------------|
| E1607C01Z | 1.25 | Compression/mechanical lugs |
| E1607C02Z | 1.50 | Panel board lugs |
| E1607C03Z | 2.75 | Stacked compression lugs |

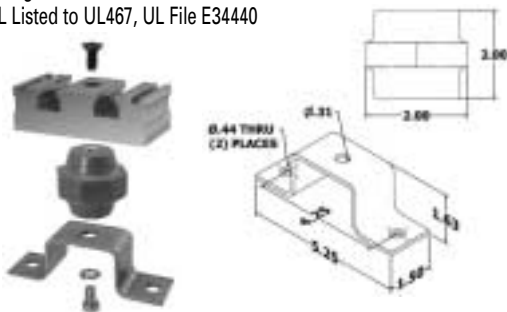
* Mounting hardware optional, not supplied with bus bar

Accessories

| Catalog Number | Height (H) | Description |
|--|------------|---------------------------|
| Stacking Adaptor ASL-250 ASL-750 | 0.75 | Wire range - 250kcmil-1/0 |
| | 1.25 | Wire range - 750kcmil-1/0 |
| | | |

| Catalog Number | Number of Mounting Holes | Dimensions - in. (mm) | | |
|--------------------|--------------------------|-----------------------|---------|---------------|
| | | L | | X |
| BBTA-2T-3000-00600 | 2 | 6.00 | (152.4) | - |
| BBTA-2T-3000-01200 | 2 | 12.00 | (304.8) | - |
| BBTA-2T-3000-01800 | 2 | 18.00 | (457.2) | - |
| BBTA-2T-3000-02400 | 2 | 24.00 | (609.6) | - |
| BBTA-2T-3000-03000 | 3 | 30.00 | (762.0) | 14.00 (355.6) |
| BBTA-2T-3000-03600 | 3 | 36.00 | (914.4) | 17.00 (431.8) |

Recognized to UL 486A/B, UL File E6207
UL Listed to UL467, UL File E34440



Optional Insulator Mounting Kit

| Kit Catalog Number | Voltage | Short Circuit Current Rating (SCCR) | Kit Components |
|--------------------|---------|-------------------------------------|---|
| INS-516K | 2,500 V | 65 kA | (1) Mounting Bracket (1) 5/16-18 Insulator (1) Split Washer (1) 5/16-18 - 3/16 Flat Countersunk Head Cap Screw (1) 5/16-18 - 1/2 Hex Bolt |

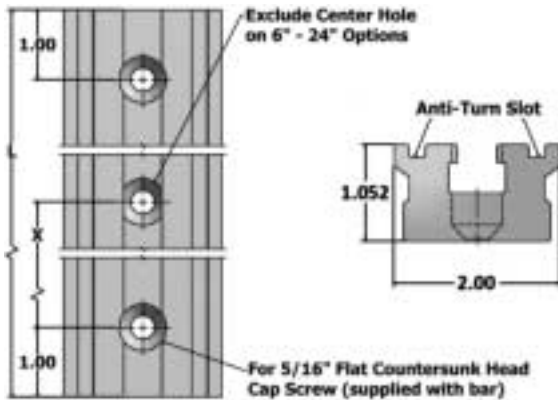
TYPE BBTC

Features

- T-slot accommodates hex, square & 1/4-turn bolt heads
- Slot available on full length of bar
- Upward pointing bolt threads
- Recessed insulator mounting hardware
- 1.6 kA continuous current rating
- Anti-turn slot designed to function with ATTA-2/0-12, ATTA-350-12, ATTA-600-12, ATTA-1000-12
- Manufactured from high strength copper alloy
- Electro-tin plated
- Supplied with countersunk cap screws
- Installation will not require current protective device up to 65 kA SCCR Rating
- Patent 9,698,578

Benefits

- Prevents bolt rotation for one handed connector mounting
- Place connectors anywhere on the bar
- Eliminates potential for electrical arc underneath bar
- Use 100% of bar length for mounting connectors
- Eases certification efforts by using UL Recognized components
- Aligned connection for cross-wise and adjacent connector placement
- Suitable for use with copper or aluminum connectors
- Low contact resistance
- Bar mounting surface free of connection obstacles



Connector Mounting Hardware

Commercially Available*

| Bolt Type | Bolt Length (in.) | For Use With |
|--|-------------------|-----------------------------|
| 1/2" Diameter Stainless Steel HEX Bolt <i>ASME B18.2.1</i> | 1.25 | Compression/mechanical lugs |
| | 1.50 | Panel board lugs |
| | 2.75 | Stacked compression lugs |
| Square Bolt <i>ASME B18.2.1</i> | 1.25 | Compression/mechanical lugs |
| | 1.50 | Panel board lugs |
| | 2.75 | Stacked compression lugs |

ILSCO Connector Mounting Hardware*

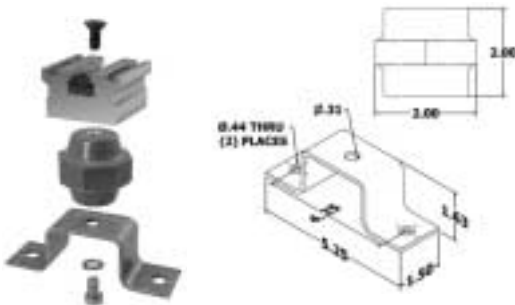
| 1/4 Turn Bolt | Bolt Length (in.) | For Use With |
|---------------|-------------------|-----------------------------|
| E1607C01Z | 1.25 | Compression/mechanical lugs |
| E1607C02Z | 1.50 | Panel board lugs |
| E1607C03Z | 2.75 | Stacked compression lugs |

* Mounting hardware optional, not supplied with bus bar

G

| Catalog Number | Number of Mounting Holes | Dimensions - in. (mm) | | |
|--------------------|--------------------------|-----------------------|----------|---------------|
| | | L | | X |
| BBTC-1T-1600-00600 | 2 | 6.00 | (152.4) | - |
| BBTC-1T-1600-01200 | 2 | 12.00 | (304.8) | - |
| BBTC-1T-1600-01800 | 2 | 18.00 | (457.2) | - |
| BBTC-1T-1600-02400 | 2 | 24.00 | (609.6) | - |
| BBTC-1T-1600-03000 | 3 | 30.00 | (762.0) | 14.00 (355.6) |
| BBTC-1T-1600-03600 | 3 | 36.00 | (914.4) | 17.00 (431.8) |
| BBTC-1T-1600-04800 | 3 | 48.00 | (1219.2) | 23.00 (584.2) |
| BBTC-1T-1600-07200 | 0 | 72.00 | (1828.8) | - |
| BBTC-1T-1600-09600 | 0 | 96.00 | (2438.4) | - |
| BBTC-1T-1600-12000 | 0 | 120.00 | (3048.4) | - |
| BBTC-1T-1600-14400 | 0 | 144.00 | (3657.6) | - |

Recognized to UL 486A/B, UL File E6207
UL Listed to UL467, UL File E34440



Optional Insulator Mounting Kit

| Kit Catalog Number | Voltage | Short Circuit Current Rating (SCCR) | Kit Components |
|--------------------|---------|-------------------------------------|---|
| INS-516K | 2,500 V | 65 kA | (1) Mounting Bracket (1) 5/16-18 Insulator (1) Split Washer (1) 5/16-18 - 3/16 Flat Countersunk Head Cap Screw (1) 5/16-18 - 1/2 Hex Bolt |

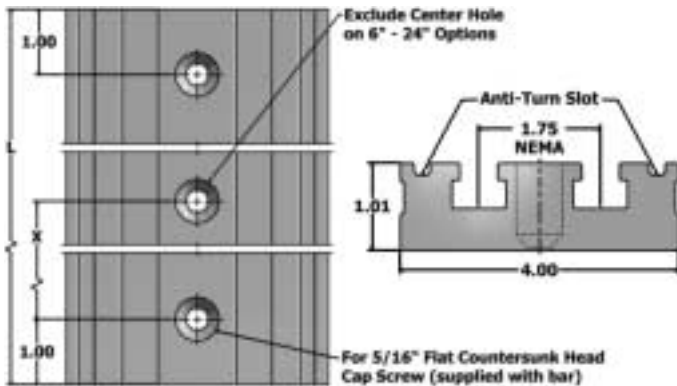
TYPE BBTC

Features

- T-slots accommodates hex, square & 1/4-turn bolt heads
- Slots available on full length of bar
- Upward pointing bolt threads
- Recessed insulator mounting hardware
- 3 kA continuous current rating
- Anti-turn slot designed to function with ATTA-2/0-12, ATTA-350-12, ATTA-600-12, ATTA-1000-12
- Double T-slot
- Manufactured from high strength copper alloy
- Electro-tin plated
- Supplied with countersunk cap screws
- Installation will not require current protective device up to 65 kA SCCR Rating
- Patent 9,698,578

Benefits

- Prevents bolt rotation for one handed connector mounting
- Place connectors anywhere on the bar
- Eliminates potential for electrical arc underneath bar
- Use 100% of bar length for mounting connectors
- Eases certification efforts by using UL Recognized components
- Aligned connection for cross-wise and adjacent connector placement
- Enables 2x wire placement for greater connector density
- Suitable for use with copper or aluminum connectors
- Low contact resistance
- Bar mounting surface free of connection obstacles



Connector Mounting Hardware

Commercially Available*

| Bolt Type | Bolt Length (in.) | For Use With |
|--|-------------------|-----------------------------|
| 1/2" Diameter Stainless Steel HEX Bolt <i>ASME B18.2.1</i> | 1.25 | Compression/mechanical lugs |
| | 1.50 | Panel board lugs |
| | 2.75 | Stacked compression lugs |
| Square Bolt <i>ASME B18.2.1</i> | 1.25 | Compression/mechanical lugs |
| | 1.50 | Panel board lugs |
| | 2.75 | Stacked compression lugs |

ILSCO Connector Mounting Hardware*

| 1/4 Turn Bolt | Bolt Length (in.) | For Use With |
|---------------|-------------------|-----------------------------|
| E1607C01Z | 1.25 | Compression/mechanical lugs |
| E1607C02Z | 1.50 | Panel board lugs |
| E1607C03Z | 2.75 | Stacked compression lugs |

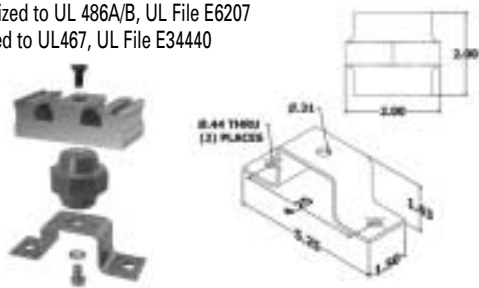
* Mounting hardware optional, not supplied with bus bar

Accessories

| Catalog Number | Height (H) | Description |
|--|------------|---------------------------|
| Stacking Adaptor ASL-250 ASL-750 | 0.75 | Wire range - 250kcmil-1/0 |
| | 1.25 | Wire range - 750kcmil-1/0 |
| | | |

| Catalog Number | Number of Mounting Holes | Dimensions - in. (mm) | |
|--------------------|--------------------------|-----------------------|---------------|
| | | L | X |
| BBTC-2T-3000-00600 | 2 | 6.000 (152.4) | - |
| BBTC-2T-3000-01200 | 2 | 12.00 (304.8) | - |
| BBTC-2T-3000-01800 | 2 | 18.00 (457.2) | - |
| BBTC-2T-3000-02400 | 2 | 24.00 (609.6) | - |
| BBTC-2T-3000-03000 | 3 | 30.00 (762.0) | 14.00 (355.6) |
| BBTC-2T-3000-03600 | 3 | 36.00 (914.4) | 17.00 (431.8) |
| BBTC-2T-3000-04800 | 3 | 48.00 (1219.2) | 23.00 (584.2) |
| BBTC-2T-3000-07200 | 0 | 72.00 (1828.8) | - |
| BBTC-2T-3000-09600 | 0 | 96.00 (2438.4) | - |
| BBTC-2T-3000-12000 | 0 | 120.00 (3048.4) | - |
| BBTC-2T-3000-14400 | 0 | 144.00 (3657.6) | - |

Recognized to UL 486A/B, UL File E6207
UL Listed to UL467, UL File E34440



Optional Insulator Mounting Kit

| Kit Catalog Number | Voltage | Short Circuit Current Rating (SCCR) | Kit Components |
|--------------------|---------|-------------------------------------|---|
| INS-516K | 2,500 V | 65 kA | (1) Mounting Bracket (1) 5/16-18 Insulator (1) Split Washer (1) 5/16-18 - 3/16 Flat Countersunk Head Cap Screw (1) 5/16-18 - 1/2 Hex Bolt |

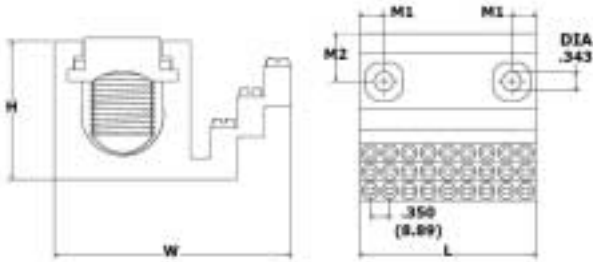
TYPE SCNL

Features

- Manufactured from high strength aluminum alloy
- Configuration - 27 inputs and 1 output
- Conductor Input: 4-14
- Conductor Output: 750kcmil-1/0
- Designed for insulators up to 2000V
- For unfused PV source inputs up to 420A CU, 340A AL

Benefits

- Provide maximum conductivity and strength for copper and aluminum conductors
- Application versatility
- Input accepts Class B and C conductors
- Output accepts Class B and C conductors
- Mounting hardware fits variety of commercial insulators



| Catalog Number | Primary | | | | Secondary | | | Dimensions - in. (mm) | | | | |
|----------------|----------------|----------------|--------------------|------------|--------------|--------------------|----------|-----------------------|--------------|--------------|--------------|--------------|
| | Wire Range | Wires per Hole | Number of Circuits | Screw Type | Wire Range | Number of Circuits | Hex Size | W | H | L | M1 | M2 |
| SCNL-27 | 4-14 10-14+ | 1 2 | 27 54 | Slot/SQ | 750kcmil-1/0 | 1 | 5/16 | 3.050 (77.5) | 1.800 (45.7) | 3.186 (80.9) | 0.443 (11.3) | 0.875 (22.2) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Two 5/16 dia, 5/16 depth flat-head screws are included for mounting. Insulators sold separately, consult factory for ordering information.

UL/cUL Recognized to UL486A/B, UL File E6207

+ See Information Sheet for other UL approved two wire combinations.

TYPE SCNM

Features

- Manufactured from high strength aluminum alloy
- Configuration - 18 to 42 string inputs; 4 outputs
- Conductor Input: 4-14
- Conductor Output: 1000kcmil-6
- Designed for insulators up to 2000V

Benefits

- Provides maximum conductivity and strength for copper and aluminum conductors
- Application versatility
- Input accepts Class B and C conductors
- Output accepts Class B, C, G, H, I, K, M and DLO conductors
- Mounting hardware fits variety of commercial insulators

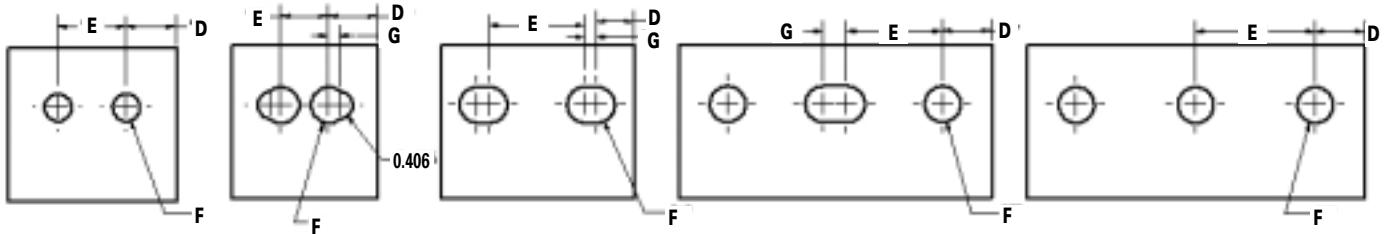


Fig. 1

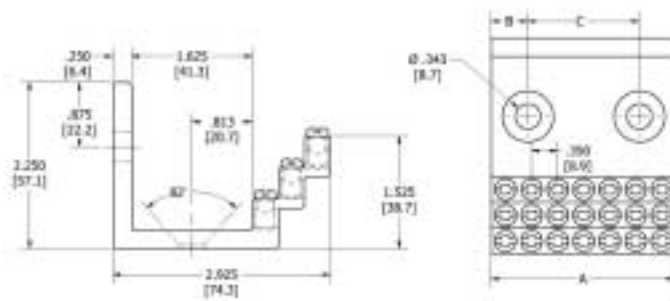
Fig. 2

Fig. 3

Fig. 4

Fig. 5

Lug Mount Configurations (See Figure Number above)



Typical Mechanical
Lug Mount

Typical Compression
Lug Mount

| Catalog Number | Lug Mount Figure Number | PV Source Input** | String Input | | Output | | Dimensions - in. (mm) | | | | | | |
|----------------|-------------------------|-------------------|----------------|------------|-----------------|-------------|-----------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | | | No. of Strings | Wire Range | No. of Circuits | Wire Range | A | B | C | D | E | F | G |
| SCNM-18 | 2 | 540 | 18 | 4-14 | 1-4 | 1000kcmil-6 | 2.136 (54.25) | 0.443 (11.25) | 1.250 (31.75) | 0.718 (18.24) | 0.700 (17.78) | 0.531 (13.49) | 0.150 (3.81) |
| SCNM-21 | 1 | 630 | 21 | 4-14 | 1-4 | 1000kcmil-6 | 2.468 (62.69) | 0.493 (12.52) | 1.500 (38.10) | 0.734 (18.64) | 1.000 (25.40) | 0.406 (10.31) | |
| SCNM-24 | 3 | 720 | 24 | 4-14 | 1-4* | 1000kcmil-6 | 2.836 (72.03) | 0.543 (13.79) | 1.750 (44.45) | 0.543 (13.79) | 1.400 (35.56) | 0.531 (13.49) | 0.175 (4.45) |
| SCNM-27 | 1 | 810 | 27 | 4-14 | 1-4* | 1000kcmil-6 | 3.186 (80.92) | 0.593 (15.06) | 2.000 (50.80) | 0.718 (18.24) | 1.750 (44.45) | 0.531 (13.49) | |
| SCNM-30 | 3 | 900 | 30 | 4-14 | 1-4* | 1000kcmil-6 | 3.536 (89.81) | 0.518 (13.16) | 2.500 (63.50) | 0.718 (18.24) | 1.750 (44.45) | 0.531 (13.49) | 0.175 (4.45) |
| SCNM-33 | 3 | 990 | 33 | 4-14 | 1-4* | 1000kcmil-6 | 3.886 (98.70) | 0.443 (11.25) | 3.000 (76.20) | 0.718 (18.24) | 1.750 (44.45) | 0.531 (13.49) | 0.350 (8.89) |
| SCNM-36 | 3 | 1080 | 36 | 4-14 | 1-4* | 1000kcmil-6 | 4.236 (107.59) | 0.618 (15.70) | 3.000 (76.20) | 0.718 (18.24) | 1.750 (44.45) | 0.531 (13.49) | 0.525 (13.34) |
| SCNM-39 | 4 | 1170 | 39 | 4-14 | 1-4* | 1000kcmil-6 | 4.586 (116.48) | 0.793 (20.14) | 3.000 (76.20) | 0.718 (18.24) | 1.400 (35.56) | 0.531 (13.49) | 0.350 (8.89) |
| SCNM-42 | 5 | 1260 | 42 | 4-14 | 1-4* | 1000kcmil-6 | 4.936 (125.37) | 0.968 (24.59) | 3.000 (76.20) | 0.718 (18.24) | 1.750 (44.45) | 0.531 (13.49) | |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

**For non-fused PV string inputs, 30A per string

Each input hole contains a 1/4 - 28 UNF; slotted/square drive screw

Two 5/16-18 UNC x 1/2 screws are included for mounting to insulators (insulators sold separately, consult Customer Care for information)

*For use with mechanical or compression components; sold separately. NEMA mounting hole configurations

UL/cUL Recognized to UL486A/B, UL File E6207

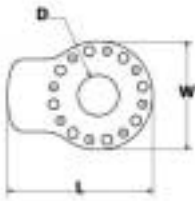
TYPE SBW

Features

- Manufactured from stainless steel
- Exclusive Viridium™ plating
- Green color, universal to identify ground
- Conical contact points

Benefits

- Maximum durability in outdoor environments
- Resists galvanic corrosion
- Aids visual inspection
- Penetrates mounting surface, no surface preparation



| Catalog Number | Bolt Size* | Dimensions - in. (mm) | | | | | |
|----------------|------------|-----------------------|--------|-------|--------|-------|--------|
| | | D | | L | | W | |
| SBW-14 | 1/4 (M6) | 0.281 | (7.1) | 1.000 | (25.4) | 0.750 | (19.1) |
| SBW-516 | 5/16 (M8) | 0.343 | (8.7) | 1.000 | (25.4) | 0.750 | (19.1) |
| SBW-38 | 3/8 (M10) | 0.406 | (10.3) | 1.000 | (25.4) | 0.750 | (19.1) |

UL 467 Listed for grounding and bonding, UL File E34440

UL 2703 Recognized, UL File E354420

* Bolt not included

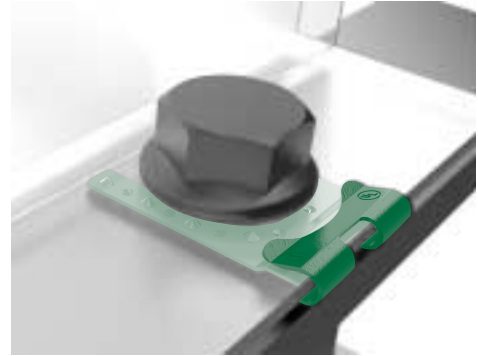
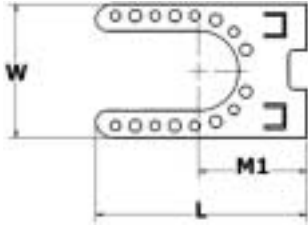
TYPE SBC

Features

- Manufactured from stainless steel
- Exclusive Virritium™ plating
- Green color, universal to identify ground
- Conical contact points
- Clips to PV panels

Benefits

- Maximum durability in outdoor environments
- Resists galvanic corrosion
- Aids visual inspection
- Penetrates mounting surface, no surface preparation
- Enables pre-installation onto a PV panel or inserted during PV panel-to-rack attachment



| Catalog Number | Bolt Size* | Dimensions - in. (mm) | | | | | | | |
|----------------|------------|-------------------------|-----------|-------|--------|-------|--------|--------------|--------|
| | | Mounting Clip Thickness | | L | | W | | M1 (minimum) | |
| SBC-14 | 1/4 (M6) | 0.050-0.075 | (1.3-1.9) | 1.066 | (27.1) | 0.687 | (17.4) | 0.456 | (11.6) |
| SBC-516 | 5/16 (M8) | 0.050-0.075 | (1.3-1.9) | 1.066 | (27.1) | 0.687 | (17.4) | 0.487 | (12.4) |
| SBC-38 | 3/8 (M10) | 0.050-0.075 | (1.3-1.9) | 1.066 | (27.1) | 0.687 | (17.4) | 0.518 | (13.2) |

UL 467 Listed for grounding and bonding, UL File E34440

UL 2703 Recognized, UL File E354420

* Bolt not included

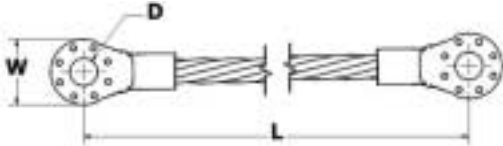
TYPE SBJ

Features

- Cable and ring terminals manufactured from high strength copper alloy
- Bonding washer made from Viridium® plated stainless steel
- Green color, universal to identify ground
- Complete jumper assembly

Benefits

- Provides maximum electrical conductivity
- Maximum durability in outdoor environments, resists galvanic corrosion
- Aids visual inspection
- Quick and easy installation, no surface preparation



| Catalog Number* | Wire Size | Dimensions - in. (mm) | | | |
|-----------------|-----------|-----------------------|----------|-------|--------|
| | | L | | W | |
| SBJ-X-6 | 6AWG | 6.000 | (152.4) | 0.670 | (17.0) |
| SBJ-X-712 | 6AWG | 7.500 | (190.5) | 0.670 | (17.0) |
| SBJ-X-9 | 6AWG | 9.000 | (228.6) | 0.670 | (17.0) |
| SBJ-X-1012 | 6AWG | 10.500 | (266.7) | 0.670 | (17.0) |
| SBJ-X-12 | 6AWG | 12.000 | (304.8) | 0.670 | (17.0) |
| SBJ-X-15 | 6AWG | 15.000 | (381.0) | 0.670 | (17.0) |
| SBJ-X-18 | 6AWG | 18.000 | (457.2) | 0.670 | (17.0) |
| SBJ-X-21 | 6AWG | 21.000 | (533.4) | 0.670 | (17.0) |
| SBJ-X-24 | 6AWG | 24.000 | (609.6) | 0.670 | (17.0) |
| SBJ-X-28 | 6AWG | 28.000 | (711.2) | 0.670 | (17.0) |
| SBJ-X-32 | 6AWG | 32.000 | (812.8) | 0.670 | (17.0) |
| SBJ-X-36 | 6AWG | 36.000 | (914.4) | 0.670 | (17.0) |
| SBJ-X-40 | 6AWG | 40.000 | (1016.0) | 0.670 | (17.0) |
| SBJ-X-44 | 6AWG | 44.000 | (1117.6) | 0.670 | (17.0) |
| SBJ-X-48 | 6AWG | 48.000 | (1219.2) | 0.670 | (17.0) |
| SBJ-X-54 | 6AWG | 54.000 | (1371.6) | 0.670 | (17.0) |
| SBJ-X-60 | 6AWG | 60.000 | (1524.0) | 0.670 | (17.0) |
| SBJ-X-66 | 6AWG | 66.000 | (1676.4) | 0.670 | (17.0) |
| SBJ-X-72 | 6AWG | 72.000 | (1828.8) | 0.670 | (17.0) |

*X = Bolt Size

| X Value | D - in. (mm) | Bolt Size |
|---------|--------------|-----------|
| 14 | 0.252 (6.4) | 1/4 (M6) |
| 516 | 0.331 (8.4) | 5/16 (M8) |
| 38 | 0.413 (10.5) | 3/8 (M10) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

UL 467 Listed for grounding and bonding, UL File E34440

UL 2703 Listed, UL File E354420

* Bolt not included

Compression Grounding Structural Ground Stud

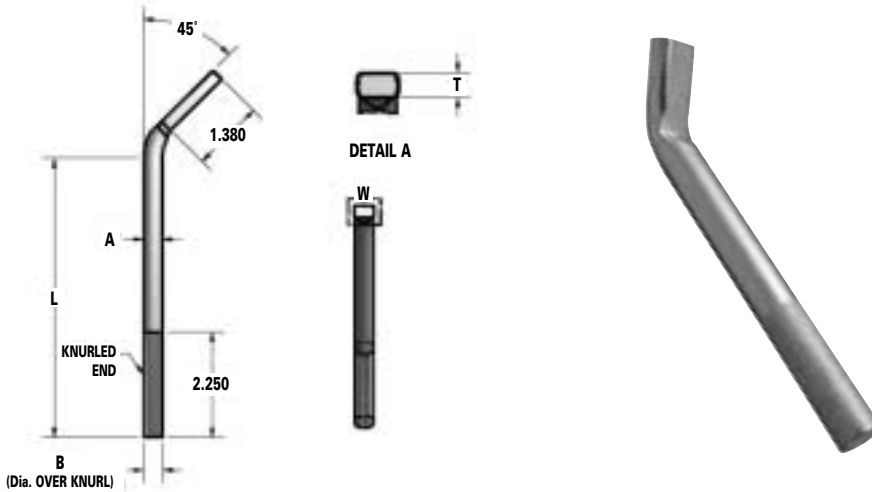
TYPE SGS

Features

- Heavy duty steel
- Tin plated
- Knurled mounting tip

Benefits

- Can be welded to steel beam
- Low resistance ground
- Excellent gripping strength



| Catalog Number | Nom. Rod Size | Dimensions - in. (mm) | | | | | Electrical Equivalent Copper Conductor Size* |
|----------------|---------------|-----------------------|-------------|------------|---------------|-------------|--|
| | | A | W | B | L | T | |
| SGS-14 | 1/4 | .250 (6.3) | .280 (7.1) | .26 (6.6) | 5.650 (143.5) | .210 (5.3) | #6 |
| SGS-38 | 3/8 | .375 (9.5) | .450 (11.4) | .39 (9.9) | 5.650 (143.5) | .265 (6.7) | #3 |
| SGS-916 | 5/8 | .560 (14.2) | .680 (17.3) | .57 (14.5) | 5.650 (143.5) | .410 (10.4) | 1/0 |
| SGS-34 | 3/4 | .750 (19.0) | .905 (23.0) | .76 (19.3) | 5.650 (143.5) | .530 (13.5) | 4/0 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* This is the equivalent rating for continuous service. Larger conductors may be connected using both compression and bolted connectors in potential ground fault applications.

FX



394-395

ILSCO FLEX BRAID CONNECTORS

ILSCO manufactures high quality flexible braid electrical connectors for power and grounding applications. Flex braid connectors are ideal for grounding electrical cabinet doors and in situations where vibration exists. This includes generators, turbines, motors, substations and transformers.

ILSCO flex braid connectors are UL Listed and CSA Certified for grounding per UL 467, file E34440.

Flex braids are also commonly used on bus systems and for equipment misalignment solutions.

ILSCO flex braids consist of high quality tin-plated copper braid with seamless copper tube ferrules stamped on the ends. The ferrules have rounded smooth edges to prevent chaffing of braid strands.

ILSCO provides four standard ferrule designs as shown above, but we will be glad to quote custom designs per your specifications.

Flex Braid Connectors

Single Mounting Hole

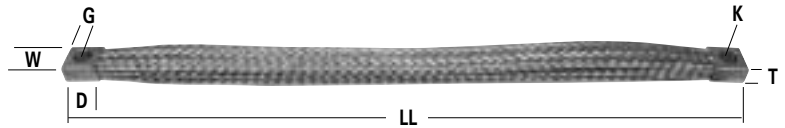
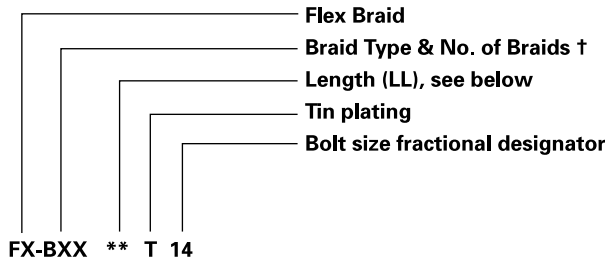
TYPE FX

Features

- Manufactured from pure copper braid
- Electro-tin plated
- Seamless pure copper ferrules
- Ferrules clean cut and precision formed to braid
- Flexible braid

Benefits

- Provides superior ground path
- Corrosion resistant
- Low resistance
- Assures permanent low resistance connection
- Compensates for linear expansion, vibration, and other dimensional offset conditions



| Catalog Number | Wire Equivalent | Amps | Number of Braids | Dimensions - in (mm) | | | | | | | | Mounting Hole Diameter K | Bolt Size - in |
|----------------|-----------------|------|------------------|----------------------|--------------|--------------|--------------|--------------|------|---|---|--------------------------|----------------|
| | | | | T | W | D | G | T | W | D | G | | |
| FX-BD**T12 | 1 AWG | 190 | 1 | 0.130 (3.3) | 1.190 (30.2) | 1.190 (30.2) | 0.595 (15.1) | 0.560 (14.2) | 1/2 | | | | |
| FX-BE**T12 | 3/0 AWG | 340 | 1 | 0.210 (5.3) | 1.250 (31.8) | 1.250 (31.8) | 0.625 (15.9) | 0.560 (14.2) | 1/2 | | | | |
| FX-BF**T12 | 4/0 AWG | 375 | 1 | 0.280 (7.1) | 1.380 (35.1) | 1.380 (35.1) | 0.690 (17.5) | 0.560 (14.2) | 1/2 | | | | |
| FX-BG**T12 | 300 kcmil | 510 | 1 | 0.364 (9.2) | 1.630 (41.4) | 1.630 (41.4) | 0.815 (20.7) | 0.560 (14.2) | 1/2 | | | | |
| FX-B2D**T12 | 154 kcmil | 380 | 2 | 0.210 (5.3) | 1.190 (30.2) | 1.190 (30.2) | 0.595 (15.1) | 0.560 (14.2) | 1/2 | | | | |
| FX-B2E**T12 | 308 kcmil | 530 | 2 | 0.350 (8.9) | 1.250 (31.8) | 1.250 (31.8) | 0.625 (15.9) | 0.560 (14.2) | 1/2 | | | | |
| FX-B2F**T12 | 464 kcmil | 600 | 2 | 0.380 (9.7) | 1.380 (35.1) | 1.380 (35.1) | 0.690 (17.5) | 0.560 (14.2) | 1/2 | | | | |
| FX-B2G**T12 | 600 kcmil | 875 | 2 | 0.500 (12.7) | 1.630 (41.4) | 1.630 (41.4) | 0.815 (20.7) | 0.560 (14.2) | 1/2 | | | | |
| FX-B3D**T12 | 231 kcmil | 470 | 3 | 0.270 (6.9) | 1.190 (30.2) | 1.190 (30.2) | 0.595 (15.1) | 0.560 (14.2) | 1/2 | | | | |
| FX-B3E**T12 | 462 kcmil | 700 | 3 | 0.580 (14.7) | 1.250 (31.8) | 1.250 (31.8) | 0.625 (15.9) | 0.560 (14.2) | 1/2 | | | | |
| FX-B3F**T12 | 696 kcmil | 900 | 3 | 0.590 (15.0) | 1.380 (35.1) | 1.380 (35.1) | 0.690 (17.5) | 0.560 (14.2) | 1/2 | | | | |
| FX-B3G**T12 | 900 kcmil | 1000 | 3 | 0.690 (17.5) | 1.630 (41.4) | 1.630 (41.4) | 0.815 (20.7) | 0.560 (14.2) | 1/2 | | | | |
| FX-B4D**T12 | 308 kcmil | 600 | 4 | 0.390 (9.9) | 1.190 (30.2) | 1.190 (30.2) | 0.595 (15.1) | 0.560 (14.2) | 1/2 | | | | |
| FX-B4E**T12 | 616 kcmil | 875 | 4 | 0.800 (20.3) | 1.250 (31.8) | 1.250 (31.8) | 0.625 (15.9) | 0.560 (14.2) | 1/2 | | | | |
| FX-B4F**T12 | 928 kcmil | 1000 | 4 | 0.870 (22.1) | 1.380 (35.1) | 1.380 (35.1) | 0.690 (17.5) | 0.560 (14.2) | 1/2 | | | | |
| FX-B4G**T12 | 1200 kcmil | 1200 | 4 | 1.000 (25.4) | 1.630 (41.4) | 1.630 (41.4) | 0.815 (20.7) | 0.560 (14.2) | 1/2 | | | | |
| FX-BD06T14 | 1 AWG | 190 | 1 | 0.130 (3.3) | 1.190 (30.2) | 1.190 (30.2) | 0.595 (15.1) | 0.280 (7.1) | 1/4 | | | | |
| FX-BD09T14 | 1 AWG | 190 | 1 | 0.130 (3.3) | 1.190 (30.2) | 1.190 (30.2) | 0.595 (15.1) | 0.280 (7.1) | 1/4 | | | | |
| FX-BD10T14 | 1 AWG | 190 | 1 | 0.130 (3.3) | 1.190 (30.2) | 1.190 (30.2) | 0.595 (15.1) | 0.280 (7.1) | 1/4 | | | | |
| FX-BD12T14 | 1 AWG | 190 | 1 | 0.130 (3.3) | 1.190 (30.2) | 1.190 (30.2) | 0.595 (15.1) | 0.280 (7.1) | 1/4 | | | | |
| FX-BD14T14 | 1 AWG | 190 | 1 | 0.130 (3.3) | 1.190 (30.2) | 1.190 (30.2) | 0.595 (15.1) | 0.280 (7.1) | 1/4 | | | | |
| FX-BE06T716 | 3/0 AWG | 340 | 1 | 0.210 (5.3) | 1.250 (31.8) | 1.250 (31.8) | 0.625 (15.9) | 0.460 (11.7) | 7/16 | | | | |
| FX-BE12T716 | 3/0 AWG | 340 | 1 | 0.210 (5.3) | 1.250 (31.8) | 1.250 (31.8) | 0.625 (15.9) | 0.460 (11.7) | 7/16 | | | | |
| FX-BE18T716 | 3/0 AWG | 340 | 1 | 0.210 (5.3) | 1.250 (31.8) | 1.250 (31.8) | 0.625 (15.9) | 0.460 (11.7) | 7/16 | | | | |
| FX-BE12T58 | 3/0 AWG | 340 | 1 | 0.210 (5.3) | 1.250 (31.8) | 1.250 (31.8) | 0.625 (15.9) | 0.660 (16.8) | 5/8 | | | | |
| FX-BE18T58 | 3/0 AWG | 340 | 1 | 0.210 (5.3) | 1.250 (31.8) | 1.250 (31.8) | 0.625 (15.9) | 0.660 (16.8) | 5/8 | | | | |
| FX-BE24T58 | 3/0 AWG | 340 | 1 | 0.210 (5.3) | 1.250 (31.8) | 1.250 (31.8) | 0.625 (15.9) | 0.660 (16.8) | 5/8 | | | | |
| FX-BF06T716 | 4/0 AWG | 375 | 1 | 0.280 (7.1) | 1.380 (35.1) | 1.380 (35.1) | 0.690 (17.5) | 0.460 (11.7) | 7/16 | | | | |
| FX-BF12T716 | 4/0 AWG | 375 | 1 | 0.280 (7.1) | 1.380 (35.1) | 1.380 (35.1) | 0.690 (17.5) | 0.460 (11.7) | 7/16 | | | | |
| FX-BF18T716 | 4/0 AWG | 375 | 1 | 0.280 (7.1) | 1.380 (35.1) | 1.380 (35.1) | 0.690 (17.5) | 0.460 (11.7) | 7/16 | | | | |
| FX-BG06T716 | 300 kcmil | 510 | 1 | 0.364 (9.2) | 1.630 (41.4) | 1.630 (41.4) | 0.815 (20.7) | 0.460 (11.7) | 7/16 | | | | |
| FX-BG08T716 | 300 kcmil | 510 | 1 | 0.364 (9.2) | 1.630 (41.4) | 1.630 (41.4) | 0.815 (20.7) | 0.460 (11.7) | 7/16 | | | | |
| FX-BG12T716 | 300 kcmil | 510 | 1 | 0.364 (9.2) | 1.630 (41.4) | 1.630 (41.4) | 0.815 (20.7) | 0.460 (11.7) | 7/16 | | | | |

Tested to UL 467, UL File E34440 Amp rating will vary with ambient conditions, orientation of the braid and other service conditions

** Available lengths (LL): 06", 09", 12", 18", 24", 36", 48"

Contact Customer Care for custom lengths, mounting hole requirements and configurations

† Missing numerical value indicates single braid

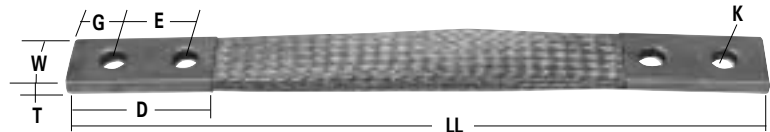
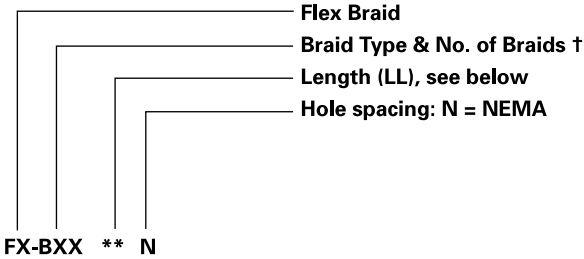
TYPE FX

Features

- Manufactured from pure copper braid
- Electro-tin plated
- Seamless pure copper ferrules
- Ferrules clean cut and precision formed to braid
- Flexible braid

Benefits

- Provides superior ground path
- Corrosion resistant
- Low resistance
- Assures permanent low resistance connection
- Compensates for linear expansion, vibration, and other dimensional offset conditions



| Catalog Number | Wire Equivalent | Amps | Number of Braids | Dimensions - in (mm) | | | | | | | | | | Bolt Size - in |
|----------------|-----------------|------|------------------|----------------------|--------------|--------------|--------------|--------------|--------------|-----|--|--------------------------|--|----------------|
| | | | | T | W | | D | | E | G | | Mounting Hole Diameter K | | |
| FX-BD** | 1 AWG | 190 | 1 | 0.130 (3.3) | 1.190 (30.2) | 2.500 (63.5) | 1.000 (25.4) | 0.750 (19.1) | 0.410 (10.4) | 3/8 | | | | |
| FX-BD**N | 1 AWG | 190 | 1 | 0.130 (3.3) | 1.190 (30.2) | 3.000 (76.2) | 1.750 (44.5) | 0.620 (15.7) | 0.560 (14.2) | 1/2 | | | | |
| FX-BE** | 3/0 AWG | 340 | 1 | 0.210 (5.3) | 1.250 (31.8) | 2.500 (63.5) | 1.000 (25.4) | 0.750 (19.1) | 0.410 (10.4) | 3/8 | | | | |
| FX-BE**N | 3/0 AWG | 340 | 1 | 0.210 (5.3) | 1.250 (31.8) | 3.000 (76.2) | 1.750 (44.5) | 0.620 (15.7) | 0.560 (14.2) | 1/2 | | | | |
| FX-BF** | 4/0 AWG | 375 | 1 | 0.280 (7.1) | 1.380 (35.1) | 2.500 (63.5) | 1.000 (25.4) | 0.750 (19.1) | 0.410 (10.4) | 3/8 | | | | |
| FX-BF**N | 4/0 AWG | 375 | 1 | 0.280 (7.1) | 1.380 (35.1) | 3.000 (76.2) | 1.750 (44.5) | 0.620 (15.7) | 0.560 (14.2) | 1/2 | | | | |
| FX-BG** | 300 kcmil | 510 | 1 | 0.364 (9.2) | 1.630 (41.4) | 2.500 (63.5) | 1.000 (25.4) | 0.750 (19.1) | 0.410 (10.4) | 3/8 | | | | |
| FX-BG**N | 300 kcmil | 510 | 1 | 0.364 (9.2) | 1.630 (41.4) | 3.000 (76.2) | 1.750 (44.5) | 0.620 (15.7) | 0.560 (14.2) | 1/2 | | | | |
| FX-B2D** | 154 kcmil | 380 | 2 | 0.210 (5.3) | 1.190 (30.2) | 2.500 (63.5) | 1.000 (25.4) | 0.750 (19.1) | 0.410 (10.4) | 3/8 | | | | |
| FX-B2D**N | 154 kcmil | 380 | 2 | 0.210 (5.3) | 1.190 (30.2) | 3.000 (76.2) | 1.750 (44.5) | 0.620 (15.7) | 0.560 (14.2) | 1/2 | | | | |
| FX-B2E** | 308 kcmil | 530 | 2 | 0.350 (8.9) | 1.250 (31.8) | 2.500 (63.5) | 1.000 (25.4) | 0.750 (19.1) | 0.410 (10.4) | 3/8 | | | | |
| FX-B2E**N | 308 kcmil | 530 | 2 | 0.350 (8.9) | 1.250 (31.8) | 3.000 (76.2) | 1.750 (44.5) | 0.620 (15.7) | 0.560 (14.2) | 1/2 | | | | |
| FX-B2F** | 464 kcmil | 600 | 2 | 0.380 (9.7) | 1.380 (35.1) | 2.500 (63.5) | 1.000 (25.4) | 0.750 (19.1) | 0.410 (10.4) | 3/8 | | | | |
| FX-B2F**N | 464 kcmil | 600 | 2 | 0.380 (9.7) | 1.380 (35.1) | 3.000 (76.2) | 1.750 (44.5) | 0.620 (15.7) | 0.560 (14.2) | 1/2 | | | | |
| FX-B2G** | 600 kcmil | 875 | 2 | 0.500 (12.7) | 1.630 (41.4) | 2.500 (63.5) | 1.000 (25.4) | 0.750 (19.1) | 0.410 (10.4) | 3/8 | | | | |
| FX-B2G**N | 600 kcmil | 875 | 2 | 0.500 (12.7) | 1.630 (41.4) | 3.000 (76.2) | 1.750 (44.5) | 0.620 (15.7) | 0.560 (14.2) | 1/2 | | | | |
| FX-B3D** | 231 kcmil | 470 | 3 | 0.270 (6.9) | 1.190 (30.2) | 2.500 (63.5) | 1.000 (25.4) | 0.750 (19.1) | 0.410 (10.4) | 3/8 | | | | |
| FX-B3D**N | 231 kcmil | 470 | 3 | 0.270 (6.9) | 1.190 (30.2) | 3.000 (76.2) | 1.750 (44.5) | 0.620 (15.7) | 0.560 (14.2) | 1/2 | | | | |
| FX-B3E** | 462 kcmil | 700 | 3 | 0.580 (14.7) | 1.250 (31.8) | 2.500 (63.5) | 1.000 (25.4) | 0.750 (19.1) | 0.410 (10.4) | 3/8 | | | | |
| FX-B3E**N | 462 kcmil | 700 | 3 | 0.580 (14.7) | 1.250 (31.8) | 3.000 (76.2) | 1.750 (44.5) | 0.620 (15.7) | 0.560 (14.2) | 1/2 | | | | |
| FX-B3F** | 696 kcmil | 900 | 3 | 0.590 (15.0) | 1.380 (35.1) | 2.500 (63.5) | 1.000 (25.4) | 0.750 (19.1) | 0.410 (10.4) | 3/8 | | | | |
| FX-B3F**N | 696 kcmil | 900 | 3 | 0.590 (15.0) | 1.380 (35.1) | 3.000 (76.2) | 1.750 (44.5) | 0.620 (15.7) | 0.560 (14.2) | 1/2 | | | | |
| FX-B3G** | 900 kcmil | 1000 | 3 | 0.690 (17.5) | 1.630 (41.4) | 2.500 (63.5) | 1.000 (25.4) | 0.750 (19.1) | 0.410 (10.4) | 3/8 | | | | |
| FX-B3G**N | 900 kcmil | 1000 | 3 | 0.690 (17.5) | 1.630 (41.4) | 3.000 (76.2) | 1.750 (44.5) | 0.620 (15.7) | 0.560 (14.2) | 1/2 | | | | |
| FX-B4D** | 308 kcmil | 600 | 4 | 0.390 (9.9) | 1.190 (30.2) | 2.500 (63.5) | 1.000 (25.4) | 0.750 (19.1) | 0.410 (10.4) | 3/8 | | | | |
| FX-B4D**N | 308 kcmil | 600 | 4 | 0.390 (9.9) | 1.190 (30.2) | 3.000 (76.2) | 1.750 (44.5) | 0.620 (15.7) | 0.560 (14.2) | 1/2 | | | | |
| FX-B4E** | 616 kcmil | 875 | 4 | 0.800 (20.3) | 1.250 (31.8) | 2.500 (63.5) | 1.000 (25.4) | 0.750 (19.1) | 0.410 (10.4) | 3/8 | | | | |
| FX-B4E**N | 616 kcmil | 875 | 4 | 0.800 (20.3) | 1.250 (31.8) | 3.000 (76.2) | 1.750 (44.5) | 0.620 (15.7) | 0.560 (14.2) | 1/2 | | | | |
| FX-B4F** | 928 kcmil | 1000 | 4 | 0.870 (22.1) | 1.380 (35.1) | 2.500 (63.5) | 1.000 (25.4) | 0.750 (19.1) | 0.410 (10.4) | 3/8 | | | | |
| FX-B4F**N | 928 kcmil | 1000 | 4 | 0.870 (22.1) | 1.380 (35.1) | 3.000 (76.2) | 1.750 (44.5) | 0.620 (15.7) | 0.560 (14.2) | 1/2 | | | | |
| FX-B4G** | 1200 kcmil | 1200 | 4 | 1.000 (25.4) | 1.630 (41.4) | 2.500 (63.5) | 1.000 (25.4) | 0.750 (19.1) | 0.410 (10.4) | 3/8 | | | | |
| FX-B4G**N | 1200 kcmil | 1200 | 4 | 1.000 (25.4) | 1.630 (41.4) | 3.000 (76.2) | 1.750 (44.5) | 0.620 (15.7) | 0.560 (14.2) | 1/2 | | | | |

Tested to UL 467, UL File E34440











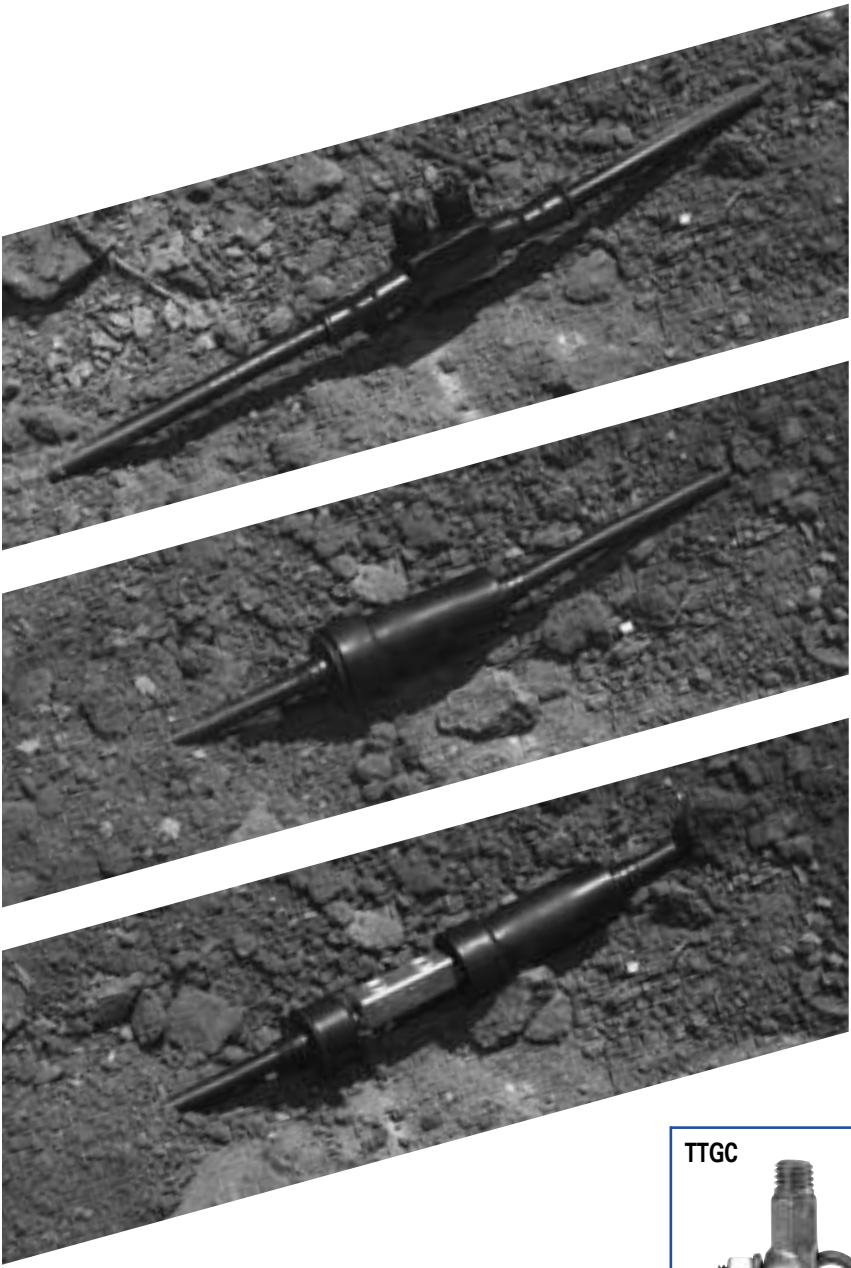













Amp rating will vary with ambient conditions, orientation of the braid and other service conditions

** Available lengths (LL): 12", 18", 24", 36", 48"

Contact Customer Care for custom lengths, mounting hole requirements and configurations

† Missing numerical value indicates single braid

Underground

| | | | | | |
|--|--|--|---|--|--|
| <p>DBK</p>  <p>397</p> | <p>ASK</p>  <p>397</p> | <p>USPASS</p>  <p>398-399</p> | <p>SS, SSK, SSKC</p>  <p>400</p> | <p>PEDSS</p>  <p>401 - 402</p> | <p>STLSS, SLSS</p>  <p>403 - 405</p> |
| | | <p>GGA</p>  <p>406</p> | <p>GGB</p>  <p>407 - 408</p> | <p>GGC</p>  <p>409</p> | <p>ELT</p>  <p>410</p> |
|  | | | | <p>SLU-DB, XT-DB</p>  <p>411</p> | <p>CGRC</p>  <p>412</p> |
| | | <p>BGRC</p>  <p>413</p> | <p>SRC</p>  <p>414</p> | | |
| | | <p>GRC</p>  <p>415</p> | <p>RLT</p>  <p>416 - 417</p> | | |
| | | <p>BGC</p>  <p>418</p> | <p>BGDB</p>  <p>419</p> | | |
| | | <p>SPS</p>  <p>420 - 421</p> | <p>SPD</p>  <p>422 - 423</p> | | |
| | | <p>TTGC</p>  <p>424</p> | <p>GPL3</p>  <p>425</p> | <p>CGBL</p>  <p>426</p> | |

TYPE DBK ASK

Features

- DBK-1 connectors manufactured from electrolytic copper
- All other connectors manufactured from high strength aluminum alloy
- Heavy wall heat shrink tubing with sealant
- Connector and heat shrink packaged together
- Rated for 600 volts, 90° C

Benefits

- Provides maximum conductivity for UF cable
- Provides high conductivity and can be used with either aluminum or copper conductors
- Provides watertight splice. Kits with heat shrink are designed to withstand abrasions due to direct burial in rocky soil.
- Provides ease of ordering
- Ensures reliability



Fig. 1



Fig. 2



Fig. 3

| Catalog Number | Figure Number | UF Cable Range | | Wire Range | Testing Certification |
|----------------|---------------|------------------|-----------------|------------|-----------------------|
| | | Minimum | Maximum | | |
| DBK-1 | 1 | 14/2 with Ground | 8/3 with Ground | - | UL LISTED 88X4 |
| DBK-2 | 2 | - | - | 2-8 | UL LISTED 88X4 |
| DBK-250 | 2 | - | - | 250kcmil-1 | UL LISTED 88X4 |

Tested UL 486D, UL File E125087

ABOVE GRADE SPLICE KITS

| | | | | | |
|----------|---|---|---|------------|----------------|
| ASK-2* | 3 | - | - | 2-8 | UL LISTED 453G |
| ASK-250* | 3 | - | - | 250kcmil-1 | UL LISTED 453G |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

*Not UL Listed for direct burial.

Tested to UL 486A/B, UL File E125087

TYPE
USPASS

Features

- Encapsulated with dielectric strength polymer
- Manufactured from high strength aluminum alloy
- Compact design
- DE-OX oxide inhibiting compound optional
- Connector rated for 600 volts, 90° C
- Range taking
- Meets or exceeds UL 486D

Benefits

- Completely watertight in line splice. Ready for installation. (not a mold for use with mixed compounds) No taping required. No temperature or humidity restrictions.
- Suitable for use with copper or aluminum conductors
- Easily accessible in small hand holes
- Prevents oxides from forming
- Ensures reliability
- Reduces inventory
- UL Listed and CSA Certified for direct burial in earth or concrete

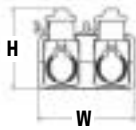
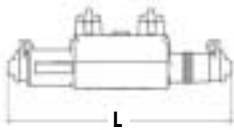


Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6

| Catalog Number | Figure Number | Wire Range | Dimensions - in. (mm) | | | | | |
|------------------|---------------|----------------|-----------------------|--------|-------|--------|-------|---------|
| | | | W | | H | | L | |
| USPA-1/0SS-DB* | 1 | 1/0-14 | 0.930 | (23.6) | 1.925 | (48.9) | 5.630 | (143.0) |
| USPA21-1/0SS-DB* | 2 | 1/0-14 | 2.190 | (55.6) | 1.925 | (48.9) | 4.000 | (101.6) |
| USPA22-1/0SS-DB* | 3 | 1/0-14 | 2.395 | (60.8) | 2.000 | (50.8) | 5.630 | (143.0) |
| USPA-350SS-DB+ | 4 | 350kcmil-10str | 1.162 | (29.5) | 2.500 | (63.5) | 8.625 | (219.0) |
| USPA-500SS-DB | 5 | 500kcmil-10 | 1.925 | (48.8) | 3.219 | (81.7) | 9.812 | (249.2) |
| USPA-750SS-DB | 6 | 750kcmil-2 | 3.596 | (91.3) | 3.843 | (83.4) | 9.188 | (233.4) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

+ RUS Listed

Tested to UL 486D, UL File E125087

*For DE-OX®, add "P" following the SS (e.g. USPA-1/0SSP-DB)



TYPE
USPASS

Features

- Environmentally sealed design
- Encapsulated with high dielectric strength polymer
- Manufactured from high strength aluminum alloy
- Compact design
- Interchangeable wire and screw port plugs
- Cap retention hook
- Available in three circuit configurations
- Wire way seals with pre-marked trim locations
- DE-OX® oxide inhibiting compound optional
- Rated for 600 volts
- Meets or exceeds UL 486D

Benefits

- Resists corrosion from moisture
- Touch safe, no taping required
- Suitable for use with copper or aluminum conductors
- Easily accessible in small hand holes
- Seals any entry port of the connector
- Tethered for re-insertion if required
- Application versatility
- Accommodates wire range 1/0-14
- Prevents oxides from forming
- For use in low voltage applications
- Watertight, suitable for direct burial

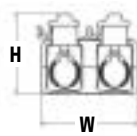
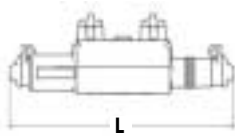


Fig. 1

Fig. 2

Fig. 3

| Catalog Number | Figure Number | Wire Range | Number of Ports | | Dimensions - in. (mm) | | | | | |
|-----------------|---------------|------------|-----------------|---------|-----------------------|--------|-------|--------|-------|---------|
| | | | Inputs | Outputs | W | | H | | L | |
| USPA-1/0SS-DB | 1 | 1/0-14 | 1 | 1 | 0.930 | (23.6) | 1.925 | (48.9) | 5.630 | (143.0) |
| USPA21-1/0SS-DB | 2 | 1/0-14 | 2 | 1 | 2.190 | (55.6) | 1.925 | (48.9) | 4.000 | (101.6) |
| USPA22-1/0SS-DB | 3 | 1/0-14 | 2 | 2 | 2.395 | (60.8) | 2.000 | (50.8) | 5.630 | (143.0) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
 Tested to UL File 486D
 For DE-OX®, add "P" following the SS (e.g. USPA-1/0SSP-DB)

TYPE
SS
SSK
SSKC

Features

- Watertight EPDM rubber splice cover
- Tapered ends
- Ready for installation
- Type SS is cover only supplied with lubricant
- Type SSK kit is supplied with both connector and lubricant
- Connector rated for 600 volts, 90° C

Benefits

- No taping required. Suitable for direct burial
- Fits a wide range of conductor sizes
- Not a mold, can be used in any type of weather. (moisture and humidity are not a factor)
- Can be used with standard aluminum or copper compression from 500kcmil - 6. Lubricant permits easy insertion of conductors into sleeve.
- Supplied with dual-rated mechanical splice connector with a wire range of 350kcmil - 6
- Ensures reliability



Fig. 1



Fig. 2

| Catalog Number | Figure Number | Wire Range | | L |
|----------------|---------------|------------------|---------------------|-------|
| | | Bolted Connector | Compression Sleeves | |
| SSK-350-Z | 1 | 350kcmil-6 | - | 5-1/2 |
| SS-350-Z | 2 | 350kcmil-6 | 500kcmil-6 | 5-1/2 |



| Catalog Number | Connector Catalog Number | Wire Size | Wire Range When Installed With IDT-12 Tool |
|----------------|--------------------------|-----------|--|
| SSKC-6-Z | AS-6 | 6 | 6 |
| SSKC-4-Z | AS-4 | 4 | 4-6 |
| SSKC-2-Z | AS-2 | 2 | 2-6 |
| SSKC-1/0-Z | AS-1/0 | 1/0 | 1/0-1 |
| SSKC-2/0-Z | AS-2/0 | 2/0 | 2/0-1 |
| SSKC-3/0-Z | AS-3/0 | 3/0 | 3/0-1 |
| SSKC-4/0-Z | AS-4/0 | 4/0 | 4/0-1 |
| SSKC-250-Z | AS-250 | 250kcmil | 250kcmil-1/0 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

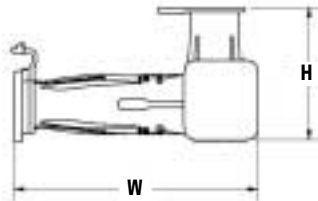
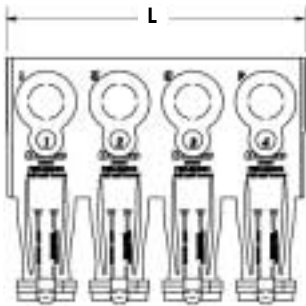
TYPE
PEDSS

Features

- Manufactured from high strength aluminum alloy
- Environmentally sealed design
- Dual rated
- Encapsulation meets or exceeds dielectric strength of 240 volts per mil (nominal thickness 125 mils)
- Re-sealable and tethered wire ports
- Pre-filled with DE-OX® oxide inhibiting compound
- UL Listed and CSA Certified
- Rated for 600 volts, 90° C

Benefits

- Provides maximum conductivity
- Resist corrosion from moisture
- Use with both copper and aluminum conductors
- Specifically formulated for electrical waterproofing requirements
- Completely watertight, no taping required
- Protects contact area and prevents oxides from forming
- For direct burial in earth or concrete



| Catalog Number | Wire Range | Number of Ports | Dimensions - in. (mm) | | |
|----------------|----------------|-----------------|-----------------------|--------------|----------------|
| | | | W | H | L |
| PED2-350SS-DB | 350kcmil-12str | 2 | 4.363 (110.8) | 2.375 (60.3) | 2.430 (61.7) |
| PED3-350SS-DB | 350kcmil-12str | 3 | 4.363 (110.8) | 2.375 (60.3) | 3.555 (90.3) |
| PED4-350SS-DB | 350kcmil-12str | 4 | 4.363 (110.8) | 2.375 (60.3) | 4.680 (118.9) |
| PED5-350SS-DB | 350kcmil-12str | 5 | 4.363 (110.8) | 2.375 (60.3) | 5.805 (147.4) |
| PED6-350SS-DB | 350kcmil-12str | 6 | 4.363 (110.8) | 2.375 (60.3) | 6.930 (176.0) |
| PED8-350SS-DB | 350kcmil-12str | 8 | 4.363 (110.8) | 2.375 (60.3) | 9.180 (233.2) |
| PED9-350SS-DB | 350kcmil-12str | 9 | 4.363 (110.8) | 2.375 (60.3) | 10.305 (261.7) |
| PED10-350SS-DB | 350kcmil-12str | 10 | 4.363 (110.8) | 2.375 (60.3) | 11.430 (290.3) |
| PED3-500SS-DB | 500kcmil-12str | 3 | 4.925 (125.1) | 2.700 (68.6) | 4.502 (114.4) |
| PED4-500SS-DB | 500kcmil-12str | 4 | 4.925 (125.1) | 2.700 (68.6) | 5.971 (151.7) |
| PED5-500SS-DB | 500kcmil-12str | 5 | 4.925 (125.1) | 2.700 (68.6) | 7.440 (189.0) |
| PED6-500SS-DB | 500kcmil-12str | 6 | 4.925 (125.1) | 2.700 (68.6) | 8.909 (226.3) |
| PED8-500SS-DB | 500kcmil-12str | 8 | 4.925 (125.1) | 2.700 (68.6) | 11.847 (300.9) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486D, UL File E125087

Connector for Direct Burial and Hand Holes

Conductor Range: 750kcmil - #10

TYPE PEDSS

Features

- Manufactured from high strength aluminum alloy
- Clear plated
- Dual rated
- Encapsulation meets or exceeds dielectric strength of 240 volts per mil (nominal thickness 125 mils)
- Rated for 600 volts
- For direct burial in earth and concrete

Benefits

- Provides maximum conductivity
- Low contact resistance
- Use with both copper and aluminum conductors
- Specifically formulated for electrical waterproofing requirements

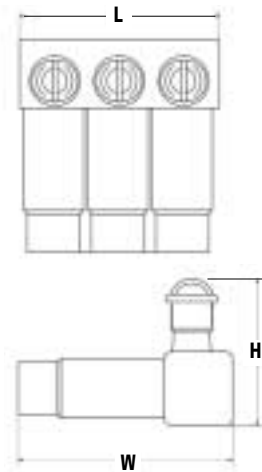
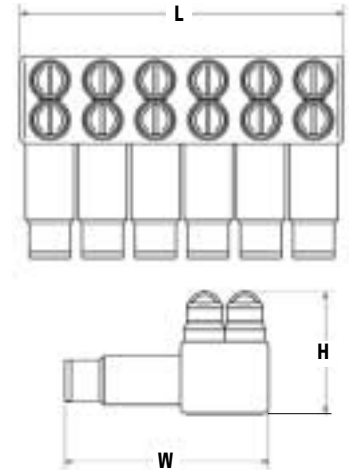


Fig. 1



Fig. 2



| Catalog Number | Figure Number | Wire Range | Number of Ports | Dimensions - in. (mm) | | |
|----------------|---------------|-------------|-----------------|-----------------------|--------------|----------------|
| | | | | W | H | L |
| PED-3-500-SS-Z | 1 | 500kcmil-10 | 3 | 5.060 (128.5) | 2.850 (72.4) | 4.314 (109.6) |
| PED-4-500-SS-Z | 1 | 500kcmil-10 | 4 | 5.060 (128.5) | 2.850 (72.4) | 5.782 (146.9) |
| PED-5-500-SS-Z | 1 | 500kcmil-10 | 5 | 5.060 (128.5) | 2.850 (72.4) | 7.250 (184.2) |
| PED-6-500-SS-Z | 1 | 500kcmil-10 | 6 | 5.060 (128.5) | 2.850 (72.4) | 8.719 (221.5) |
| PED-8-500-SS-Z | 1 | 500kcmil-10 | 8 | 5.060 (128.5) | 2.850 (72.4) | 11.657 (296.1) |
| PED-4-750-SS-Z | 2 | 750kcmil-2 | 4 | 6.502 (165.1) | 3.898 (99.1) | 6.973 (177.7) |
| PED-6-750-SS-Z | 2 | 750kcmil-2 | 6 | 6.502 (165.1) | 3.898 (99.1) | 10.351 (262.9) |
| PED-8-750-SS-Z | 2 | 750kcmil-2 | 8 | 6.502 (165.1) | 3.898 (99.1) | 13.729 (348.7) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Extra screw closure caps and extra conductor plugs available.

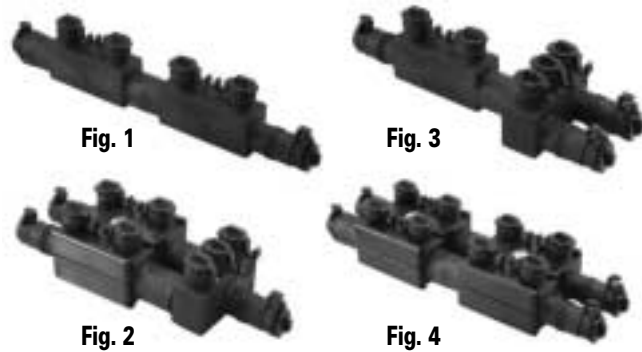
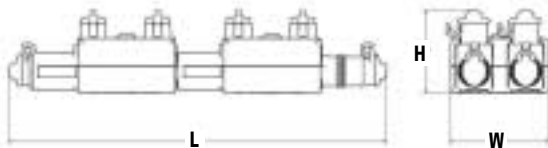
**TYPE
STLSS**

Features

- Environmentally sealed design
- Encapsulated with high dielectric strength polymer
- Manufactured from high strength aluminum alloy
- Precision engineered separation joint
- Fuse capable
- Compact design
- Interchangeable wire and screw port plugs
- Cap retention hook
- Available in four circuit configurations
- Wire way seals with pre-marked trim locations
- DE-OX® oxide inhibiting compound optional
- Rated for 600 volts
- Meets or exceeds UL 486D

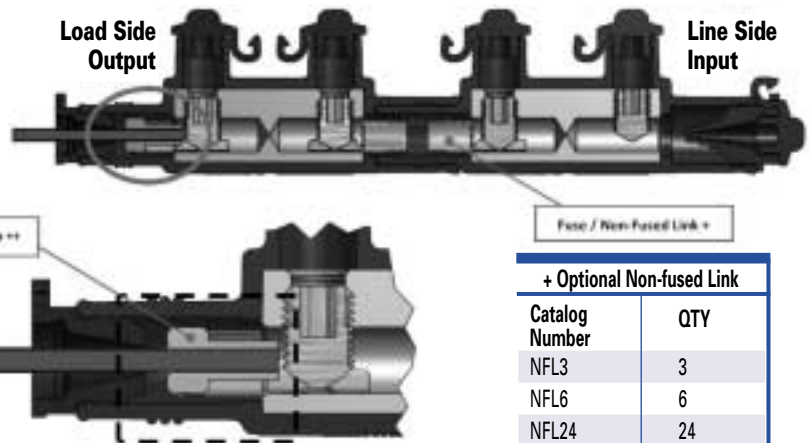
Benefits

- Resists corrosion from moisture
- Touch safe, no taping required
- Suitable for use with copper or aluminum conductors
- Safe breakaway on impact, theft deterrent
- Overcurrent protection
- Easily accessible in small hand holes
- Seals any entry port of the connector
- Tethered for re-insertion if required
- Application versatility
- Accommodates wire range 1/0-14
- Prevents oxides from forming
- For use in low voltage applications
- Watertight, suitable for direct burial



| Catalog Number | Figure Number | Load Side Wire Range | Line Side Wire Range | Number of Ports | | Dimensions - in. (mm) | | | | |
|----------------|---------------|----------------------|----------------------|-----------------|---------|-----------------------|--------------|---------------|--|--|
| | | | | Inputs | Outputs | W | H | L | | |
| STL11-1/0SS6 | 1 | 6 | 1/0-14 | 1 | 1 | 0.930 (23.6) | 1.925 (48.9) | 9.130 (231.9) | | |
| STL12-1/0SS6 | 2 | 6 | 1/0-14 | 1 | 2 | 2.395 (60.8) | 1.995 (50.7) | 7.510 (190.8) | | |
| STL21-1/0SS6 | 3 | 6 | 1/0-14 | 2 | 1 | 2.190 (55.6) | 1.925 (48.9) | 7.525 (191.1) | | |
| STL22-1/0SS6 | 4 | 6 | 1/0-14 | 2 | 2 | 2.395 (60.8) | 1.995 (50.7) | 9.130 (231.9) | | |
| STL11-1/0SS8 | 1 | 8 | 1/0-14 | 1 | 1 | 0.930 (23.6) | 1.925 (48.9) | 9.130 (231.9) | | |
| STL12-1/0SS8 | 2 | 8 | 1/0-14 | 1 | 2 | 2.395 (60.8) | 1.995 (50.7) | 7.510 (190.8) | | |
| STL21-1/0SS8 | 3 | 8 | 1/0-14 | 2 | 1 | 2.190 (55.6) | 1.925 (48.9) | 7.525 (191.1) | | |
| STL22-1/0SS8 | 4 | 8 | 1/0-14 | 2 | 2 | 2.395 (60.8) | 1.995 (50.7) | 9.130 (231.9) | | |
| STL11-1/0SS10 | 1 | 10-14 | 1/0-14 | 1 | 1 | 0.930 (23.6) | 1.925 (48.9) | 9.130 (231.9) | | |
| STL12-1/0SS10 | 2 | 10-14 | 1/0-14 | 1 | 2 | 2.395 (60.8) | 1.995 (50.7) | 7.510 (190.8) | | |
| STL21-1/0SS10 | 3 | 10-14 | 1/0-14 | 2 | 1 | 2.190 (55.6) | 1.925 (48.9) | 7.525 (191.1) | | |
| STL22-1/0SS10 | 4 | 10-14 | 1/0-14 | 2 | 2 | 2.395 (60.8) | 1.995 (50.7) | 9.130 (231.9) | | |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL File 486D
For DE-OX®, add "P" to end of catalog number
Fuse must be supplied by customer
++ Break pins are supplied with the connector. Also available as Service parts, see below:



| ++ Break Pin | |
|----------------|-----|
| Catalog Number | QTY |
| BP6 | 3 |
| BP8 | 3 |
| BP10 | 3 |

| + Optional Non-fused Link | |
|---------------------------|-----|
| Catalog Number | QTY |
| NFL3 | 3 |
| NFL6 | 6 |
| NFL24 | 24 |

TYPE
STLSS

Features

- Environmentally sealed design
- Encapsulated with high dielectric strength polymer
- Manufactured from high strength aluminum alloy
- Compact design
- Interchangeable wire and screw port plugs
- Cap retention hook
- Available in four circuit configurations
- Wire way seals with pre-marked trim locations
- DE-OX® oxide inhibiting compound optional
- Rated for 600 volts
- Watertight

Benefits

- Resists corrosion from moisture
- Touch safe, no taping required
- Suitable for use with copper or aluminum conductors
- Break away feature for non-fused applications, easily accessible in small hand holes
- Seals any entry port of the connector
- Tethered for re-insertion if required
- Application versatility
- Accommodates wire range 1/0-14
- Prevents oxides from forming
- For use in low voltage applications
- Suitable for direct burial

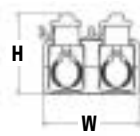
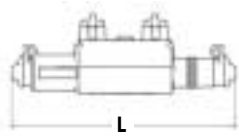


Fig. 1



Fig. 3



Fig. 2



Fig. 4

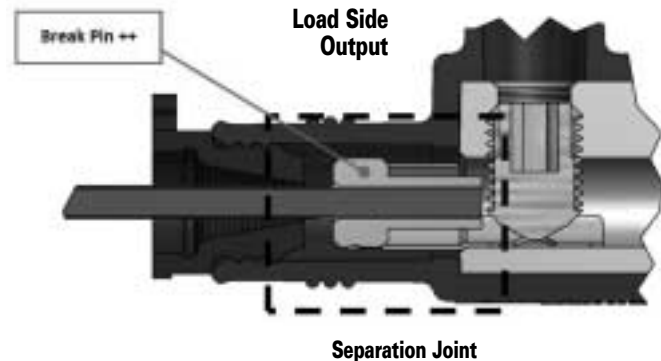
| Catalog Number | Figure Number | Load Side Wire Range | Line Side Wire Range | Number of Ports | | Dimensions - in. (mm) | | | | |
|----------------|---------------|----------------------|----------------------|-----------------|---------|-----------------------|--------------|---------------|--|--|
| | | | | Inputs | Outputs | W | H | L | | |
| STL11-1/OSSN6 | 1 | 6 | 1/0-14 | 1 | 1 | 0.930 (23.6) | 1.925 (48.9) | 5.630 (143.0) | | |
| STL12-1/OSSN6 | 2 | 6 | 1/0-14 | 1 | 2 | 2.190 (55.6) | 1.925 (48.9) | 4.000 (101.6) | | |
| STL21-1/OSSN6 | 3 | 6 | 1/0-14 | 2 | 1 | 2.190 (55.6) | 1.925 (48.9) | 4.000 (101.6) | | |
| STL22-1/OSSN6 | 4 | 6 | 1/0-14 | 2 | 2 | 2.395 (60.8) | 2.000 (50.8) | 5.630 (143.0) | | |
| STL11-1/OSSN8 | 1 | 8 | 1/0-14 | 1 | 1 | 0.930 (23.6) | 1.925 (48.9) | 5.630 (143.0) | | |
| STL12-1/OSSN8 | 2 | 8 | 1/0-14 | 1 | 2 | 2.190 (55.6) | 1.925 (48.9) | 4.000 (101.6) | | |
| STL21-1/OSSN8 | 3 | 8 | 1/0-14 | 2 | 1 | 2.190 (55.6) | 1.925 (48.9) | 4.000 (101.6) | | |
| STL22-1/OSSN8 | 4 | 8 | 1/0-14 | 2 | 2 | 2.395 (60.8) | 2.000 (50.8) | 5.630 (143.0) | | |
| STL11-1/OSSN10 | 1 | 10-14 | 1/0-14 | 1 | 1 | 0.930 (23.6) | 1.925 (48.9) | 5.630 (143.0) | | |
| STL12-1/OSSN10 | 2 | 10-14 | 1/0-14 | 1 | 2 | 2.190 (55.6) | 1.925 (48.9) | 4.000 (101.6) | | |
| STL21-1/OSSN10 | 3 | 10-14 | 1/0-14 | 2 | 1 | 2.190 (55.6) | 1.925 (48.9) | 4.000 (101.6) | | |
| STL22-1/OSSN10 | 4 | 10-14 | 1/0-14 | 2 | 2 | 2.395 (60.8) | 2.000 (50.8) | 5.630 (143.0) | | |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Tested to UL ECIS, special purpose connectors

++ Break pins are supplied with the connector. Also available as service parts, see below:

| ++ Break Pin | |
|----------------|-----|
| Catalog Number | QTY |
| BP6 | 3 |
| BP8 | 3 |
| BP10 | 3 |



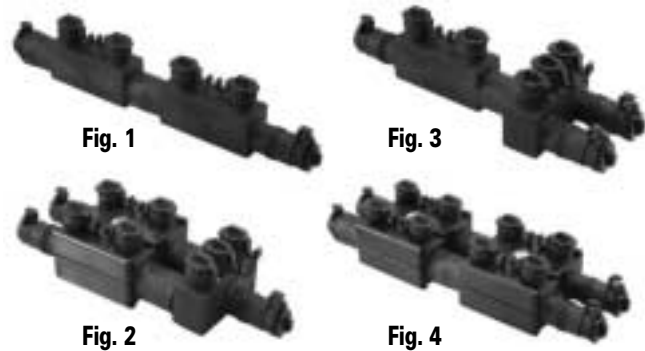
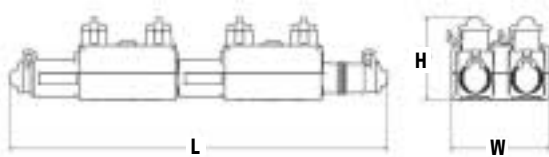
**TYPE
SLSS**

Features

- Environmentally sealed design
- Encapsulated with high dielectric strength polymer
- Manufactured from high strength aluminum alloy
- Precision engineered separation joint
- Fuse capable
- Compact design
- Interchangeable wire and screw port plugs
- Cap retention hook
- Available in four circuit configurations
- Wire way seals with pre-marked trim locations
- DE-OX® oxide inhibiting compound optional
- Rated for 600 volts
- Meets or exceeds ANSI C119.1 and C119.4 Class A specifications

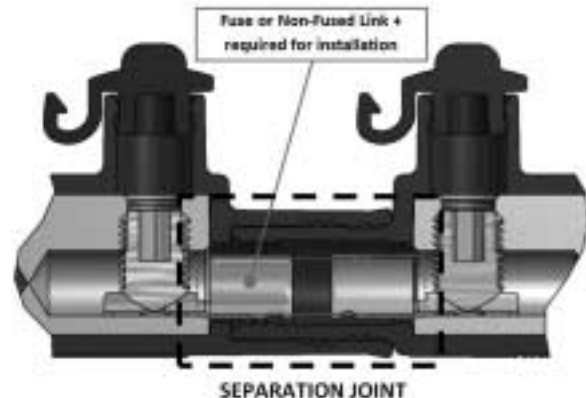
Benefits

- Resists corrosion from moisture
- Touch safe, no taping required
- Suitable for use with copper or aluminum conductors
- Safe breakaway on impact, theft deterrent
- Overcurrent protection
- Easily accessible in small hand holes
- Seals any entry port of the connector
- Wire port caps tethered for reinsertion if required
- Application versatility
- Accommodates wire range 1/0-14
- Prevents oxides from forming
- For use in low voltage utility applications
- Watertight, suitable for direct burial



| Catalog Number | Figure Number | Wire Range | Number of Ports | | Dimensions - in. (mm) | | | | | | |
|----------------|---------------|------------|-----------------|---------|-----------------------|--------------|---------------|--|--|--|--|
| | | | Inputs | Outputs | W | H | L | | | | |
| SLSS11-1/0SS-Z | 1 | 1/0-14 | 1 | 1 | 0.930 (23.6) | 1.925 (48.9) | 9.130 (231.9) | | | | |
| SLSS12-1/0SS-Z | 2 | 1/0-14 | 1 | 2 | 2.395 (60.8) | 1.995 (50.7) | 7.510 (190.8) | | | | |
| SLSS21-1/0SS-Z | 3 | 1/0-14 | 2 | 1 | 2.190 (55.6) | 1.925 (48.9) | 7.525 (191.1) | | | | |
| SLSS22-1/0SS-Z | 4 | 1/0-14 | 2 | 2 | 2.395 (60.8) | 1.995 (50.7) | 9.130 (231.9) | | | | |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Fuse must be supplied by customer



| + Optional Non-fused Link | |
|---------------------------|-----|
| Catalog Number | QTY |
| NFL3 | 3 |
| NFL6 | 6 |
| NFL24 | 24 |

SLSS OPTION:
P - Inhibitor Applied

Example:
SLSS11-1/0SSP-Z
↑
Inhibitor Must be **LAST**

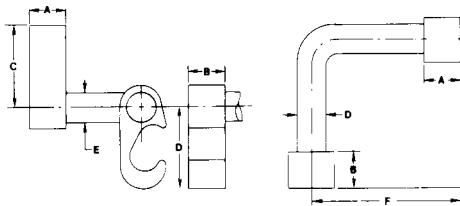
TYPE GGA

Features

- Manufactured from high strength copper alloy
- Clearly marked with wire size and die index
- Range taking
- Connector can be adjusted prior to installation
- Non-hazardous installation
- Prefilled with DE-OX® oxide inhibiting compound
- Temperature Rating 90° C
- UL Listed and CSA Certified for grounding and bonding

Benefits

- Provides maximum conductivity. Suitable for direct burial.
- Provides easy identification and tooling recommendation
- Reduces inventory. Six sizes cover a wire range from 500kcmil to #6, and 1/2" to 3/4" ground rods.
- Permits adjustments to be made for misaligned cross grids
- Can be installed in all types of weather with no need for protective equipment or clothing. Does not produce heat or dangerous particles.
- Prevents oxides from forming
- Ensures reliability
- Direct burial in earth or concrete



| Catalog Number | Wire Range | | | | | Dimensions - in. (mm) | | | | | |
|----------------|-------------------|-------------------|---------------------|-------------------|--------|-----------------------|-------------|--------------|--------------|-------------|--------------|
| | Cable to Cable | | Cable to Ground Rod | | Rebar | A | B | C | D | E | F |
| | Side A | Side B | Side A | Side B | Side B | | | | | | |
| GGA-1 | 2str-6sol | 2str-6sol | - | - | - | .750 (19.1) | .750 (19.1) | 1.090 (27.7) | 1.090 (27.7) | .313 (8.0) | 2.500 (63.5) |
| GGA-2 | 250kcmil-1str | 2str-6sol | 1/2 - 5/8 Rod | 2str-6sol | #3-4 | .750 (19.1) | .750 (19.1) | 1.660 (42.2) | 1.090 (27.7) | .313 (8.0) | 2.500 (63.5) |
| GGA-3 | 250kcmil-2str | 250kcmil-2str | 1/2 - 5/8 Rod | 250kcmil-2str | #3-4 | .750 (19.1) | .750 (19.1) | 1.660 (42.2) | 1.660 (42.2) | .500 (12.7) | 2.500 (63.5) |
| GGA-4 | 500kcmil-250kcmil | 2str-6sol | 5/8 - 3/4 Rod | 2str-6sol | #5-6 | .750 (19.1) | .750 (19.1) | 2.090 (53.1) | 1.090 (27.7) | .313 (8.0) | 2.500 (63.5) |
| GGA-5 | 500kcmil-250kcmil | 250kcmil-2str | 5/8 - 3/4 Rod | 250kcmil-2str | #5-6 | .750 (19.1) | .750 (19.1) | 2.090 (53.1) | 1.660 (42.2) | .500 (12.7) | 2.500 (63.5) |
| GGA-6 | 500kcmil-250kcmil | 500kcmil-250kcmil | 5/8 - 3/4 Rod | 500kcmil-250kcmil | #5-6 | .750 (19.1) | .750 (19.1) | 2.280 (57.9) | 2.280 (57.9) | .750 (19.1) | 2.500 (63.5) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Tested to UL 467, UL File E34440

The GGA Series compression ground grid cross connector can be used to connect a copper ground grid system together or to connect a copper ground grid system to a copper clad ground rod. The GGA Series of compression connectors allow adjustment of each side of the connector prior to installation. The GGA Series of compression connectors are pre-filled with oxide inhibiting compound and are suitable for direct burial.

Notes:

1. ILSCO ILC-12 or ILC-15 Series Tools and ILD Series Dies may be used. Note: Adapter required when using ILC-15 Series Tool. Burndy tools and dies may also be used.
2. Perform a "pre-crimp" on ground rod prior to installing GGA connector. Use an indent type of die such as ILD-Precrimp.
3. Each side of the GGA Series may be rotated around the rod to any desired position before crimping.

| ILSCO Installation Tooling | | |
|---|----------------------|----------------------|
| ILC-12-N, ILC-12H-N, ILCB-12-N, ILC-15-H TB-12U1000-P, TM-12U1000, TR-12U1000 Die Index (No. of Crimps) | | |
| Catalog Number | Side A | Side B |
| GGA-1 | 0 (1) | 0 (1) |
| GGA-2 | 997 (1) | 0 (1) |
| GGA-3 | 997 (1) | 997 (1) |
| GGA-4 | 998 (1) | 0 (1) |
| GGA-5 | 998 (1) | 997 (1) |
| GGA-6 | 999 (1), 1011 (3) | 999 (1), 1011 (3) |

Compression Grounding

Figure 6 - 8 Grounding Grid

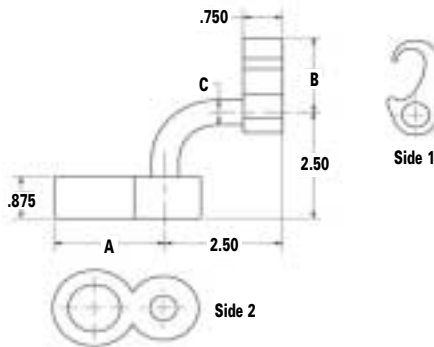
TYPE GGB

Features

- Manufactured from high strength copper alloy
- Clearly marked with wire size and die index
- Each size accepts a wide range of cable sizes
- Side 1 & Side 2 can be rotated to any position before crimping
- UL Listed and CSA Certified for grounding and bonding
- Prefilled with DE-OX® oxide inhibiting compound
- TN in catalog number designates tin plated

Benefits

- Provides maximum conductivity
- Provides easy identification and tooling recommendation
- Application flexibility and reduced inventory
- Ease of installation
- Direct burial in earth or concrete
- Prevents oxides from forming
- For use with galvanized steel ground rod



| Catalog Number | Commercial Copper Cable Range Side 1 | Metric Copper Cable Range Side 1 | Copper Weld Cable Range Side 1 | Ground Rod Diameter Side 2 | Rebar Side 2 | Dimensions - in. (mm) | | |
|----------------|--|--|--|----------------------------|--------------|-----------------------|--------------|--------------|
| | | | | | | A | B | C |
| GGB-1 | 250kcmil (.575 dia.) thru 2str (.292 dia.) | 120mm ² (14.40mm dia.) thru 35mm ² (7.62mm dia.) | 248.8kcmil (.572 dia.) thru 91.65kcmil (.343 dia.) | 1/2" | #3 | 1.390 (35.3) | 1.660 (42.2) | 0.312 (7.9) |
| GGB-2 | 250kcmil (.575 dia.) thru 2str (.292 dia.) | 120mm ² (14.40mm dia.) thru 35mm ² (7.62mm dia.) | 248.8kcmil (.572 dia.) thru 91.65kcmil (.343 dia.) | 5/8" | #4 | 1.455 (37.0) | 1.660 (42.2) | 0.312 (7.9) |
| GGB-3 | 250kcmil (.575 dia.) thru 2str (.292 dia.) | 120mm ² (14.40mm dia.) thru 35mm ² (7.62mm dia.) | 248.8kcmil (.572 dia.) thru 91.65kcmil (.343 dia.) | 3/4" | #5 | 1.644 (41.8) | 1.660 (42.2) | 0.500 (12.7) |
| GGB-4 | 250kcmil (.575 dia.) thru 2str (.292 dia.) | 120mm ² (14.40mm dia.) thru 35mm ² (7.62mm dia.) | 248.8kcmil (.572 dia.) thru 91.65kcmil (.343 dia.) | 1" | #6-7 | 2.025 (51.4) | 1.677 (42.6) | 0.500 (12.7) |
| GGB-5 | 500kcmil (.813 dia.) thru 250kcmil (.575 dia.) | 240mm ² (20.35mm dia.) thru 120mm ² (14.40mm dia.) | 498.8kcmil (.810 dia.) thru 248.8kcmil (.572 dia.) | 1/2" | #3 | 1.390 (35.3) | 2.075 (52.7) | 0.312 (7.9) |
| GGB-6 | 500kcmil (.813 dia.) thru 250kcmil (.575 dia.) | 240mm ² (20.35mm dia.) thru 120mm ² (14.40mm dia.) | 498.8kcmil (.810 dia.) thru 248.8kcmil (.572 dia.) | 5/8" | #4 | 1.455 (37.0) | 2.075 (52.7) | 0.312 (7.9) |
| GGB-7 | 500kcmil (.813 dia.) thru 250kcmil (.575 dia.) | 240mm ² (20.35mm dia.) thru 120mm ² (14.40mm dia.) | 498.8kcmil (.810 dia.) thru 248.8kcmil (.572 dia.) | 3/4" | #5 | 1.644 (41.8) | 2.075 (52.7) | 0.500 (12.7) |
| GGB-8 | 500kcmil (.813 dia.) thru 250kcmil (.575 dia.) | 240mm ² (20.35mm dia.) thru 120mm ² (14.40mm dia.) | 498.8kcmil (.810 dia.) thru 248.8kcmil (.572 dia.) | 1" | #6-7 | 2.025 (51.4) | 2.075 (52.7) | 0.500 (12.7) |
| GGB-3TN | 250kcmil (.575 dia.) thru 2str (.292 dia.) | 120mm ² (14.40mm dia.) thru 35mm ² (7.62mm dia.) | 248.8kcmil (.572 dia.) thru 91.65kcmil (.343 dia.) | 3/4" | N/A | 1.644 (41.8) | 1.660 (42.2) | 0.500 (12.7) |
| GGB-6TN | 500kcmil (.813 dia.) thru 250kcmil (.575 dia.) | 240mm ² (20.35mm dia.) thru 120mm ² (14.40mm dia.) | 498.8kcmil (.810 dia.) thru 248.8kcmil (.572 dia.) | 5/8" | N/A | 1.455 (37.0) | 2.075 (52.7) | 0.312 (7.9) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL467, UL File E34440

Notes:

1. When used with ground rods, it is recommended to rough up the end of ground rod where GGB is to be placed. This provides good rotational resistance. **Perform a "pre-crimp" on ground rod prior to installing GGB connector. Use an indent type of die such as ILD-Precrimp.**

Compression Grounding

Figure 6 - 8 Grounding Grid Tooling

TYPE GGB

Features

- Manufactured from high strength copper alloy
- Clearly marked with wire size and die index
- Each size accepts a wide range of cable sizes
- Side 1 & Side 2 can be rotated to any position before crimping
- UL Listed and CSA Certified for grounding and bonding
- Prefilled with DE-OX® oxide inhibiting compound
- TN in catalog number designates tin plated

Benefits

- Provides maximum conductivity
- Provides easy identification and tooling recommendation
- Application flexibility and reduced inventory
- Ease of installation
- Direct burial in earth or concrete
- Prevents oxides from forming
- For use with galvanized steel ground rod

| Catalog Number | INSTALLATION TOOLING | | | | | |
|----------------|---|---------|--|---------|---|---------|
| | ILSCO | | Burdny | | Thomas & Betts (w/Burdny Dies) | |
| | ILC-12-N, ILC-12H-N, ILCB-12-N, & ILC-15 Series† TB-12U1000-P, TM-12U1000, TR-12U1000 Die (No. of Crimps) | | Y35, Y39, Y46, Y750, PAT750 & PAT46 Series Die (No. of Crimps) | | TBM14, TBM15, BPLT14 & BPLT15 Series, 1300A Die (No. of Crimps) | |
| | Side 1 | Side 2 | Side 1 | Side 2 | Side 1 | Side 2 |
| GGB-1 | 997 (1) | 998 (1) | 997 (1) | 998 (1) | 997 (1) | 998 (1) |
| GGB-2 | 997 (1) | 998 (1) | 997 (1) | 998 (1) | 997 (1) | 998 (1) |
| GGB-3 | 997 (1) | 998 (1) | 997 (1) | 998 (1) | 997 (1) | 998 (1) |
| GGB-4 | 997 (1) | 998 (1) | 997 (1) | 998 (1) | 997 (1) | 998 (1) |
| GGB-5 | 998 (1) | 998 (1) | 998 (1) | 998 (1) | 998 (1) | 998 (1) |
| GGB-6 | 998 (1) | 998 (1) | 998 (1) | 998 (1) | 998 (1) | 998 (1) |
| GGB-7 | 998 (1) | 998 (1) | 998 (1) | 998 (1) | 998 (1) | 998 (1) |
| GGB-8 | 998 (1) | 998 (1) | 998 (1) | 998 (1) | 998 (1) | 998 (1) |
| GGB-3TN | 997 (1) | 998 (1) | 997 (1) | 998 (1) | 997 (1) | 998 (1) |
| GGB-6TN | 998 (1) | 998 (1) | 998 (1) | 998 (1) | 998 (1) | 998 (1) |

997 and 998 are Burdny die indexes

† Adaptor required when using ILC-15 Series tools



TYPE GGC

Features

- Manufactured from high strength copper alloy
- Clearly marked with wire size and die index
- Range taking
- Versatile
- Non-hazardous installation
- Prefilled with DE-OX® oxide inhibiting compound
- Temperature Rating 90° C
- UL Listed and CSA Certified for grounding and bonding

Benefits

- Provides maximum conductivity
- Provides easy identification and tooling recommendation
- Reduces inventory. Eight sizes cover a wire range from 500kcmil to #6, and 1/2" to 3/4" ground rods.
- Can be used as a tap connector or as a lap splice connector
- Can be installed in all types of weather with no need for protective equipment or clothing. Does not produce heat or dangerous particles.
- Prevents oxides from forming
- Ensures reliability
- For direct burial in earth or concrete

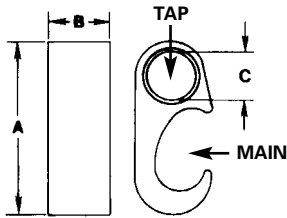


Fig. 1



Fig. 2

| Catalog Number | Figure Number | Wire Range | | Main Rebar | Main Ground Rod | Dimensions - in. (mm) | | | Die Index Number |
|----------------|---------------|------------------------------------|-------------------|------------|-----------------|-----------------------|------------|------------|------------------|
| | | Main | Tap | | | A | B | C | |
| GGC-1 | 1 | 2str-6sol | 2str-6sol | - | - | 1.40 (35.6) | .75 (19.1) | .33 (8.4) | 0 |
| GGC-2 | 1 | 250kcmil-1/0str 1/2 - 5/8 Rod | 2str-4sol | #3-4 | 1/2 - 5/8 | 2.10 (53.3) | .75 (19.1) | .33 (8.4) | 997 |
| GGC-3 | 1 | 250kcmil-1/0str 1/2 - 5/8 Rod | 2/0str-1/0str | #3-4 | 1/2 - 5/8 | 2.10 (53.3) | .75 (19.1) | .44 (11.2) | 997 |
| GGC-4 | 1 | 250kcmil-1/0str 1/2 - 5/8 Rod | 250kcmil-3/0str | #3-4 | 1/2 - 5/8 | 2.10 (53.3) | .75 (19.1) | .61 (15.5) | 997 |
| GGC-5 | 1 | 500kcmil-250kcmil 5/8 - 3/4 Rod | 2str-4sol | #5-6 | 5/8 - 3/4 | 2.60 (66.0) | .75 (19.1) | .33 (8.4) | 998 |
| GGC-6 | 1 | 500kcmil-250kcmil 5/8 - 3/4 Rod | 2/0str-1/0str | #5-6 | 5/8 - 3/4 | 2.60 (66.0) | .75 (19.1) | .44 (11.2) | 998 |
| GGC-7 | 1 | 500kcmil-250kcmil 5/8 - 3/4 Rod | 250kcmil-3/0str | #5-6 | 5/8 - 3/4 | 2.60 (66.0) | .75 (19.1) | .61 (15.5) | 998 |
| GGC-8 | 1 | 500kcmil-250kcmil 5/8 - 3/4 Rod | 500kcmil-350kcmil | #5-6 | 5/8 - 3/4 | 2.90 (73.7) | .75 (19.1) | .84 (21.3) | 999/1011 |
| GGC-9 | 2 | 250kcmil-1/0str 1/2 - 5/8 Rod | 6str-6sol | #3-4 | 1/2 - 5/8 | 2.60 (66.0) | .75 (19.1) | - | 997 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 467, UL File E34440

NOTE: Hydraulic tools required on all sizes except GGC-1 Dieless tools can not be used

The GGC Series compression ground tap connector can be used as a tap connector to connect copper ground wire to a copper clad ground rod or as a lap splice connector splicing copper conductors together. The GGC Series of compression connectors are pre-filled with inhibiting compound and are suitable for direct burial.

Notes:

1. ILSCO ILC-12 or ILC-15 Series Tools and ILD Series Dies may be used. Note: Adapter required when using ILC-15 Series Tool. Burndy tools and dies may also be used.
2. Perform a "pre-crimp" on ground rod prior to installing GGC connector. Use an indent type of die such as ILD-Precrimp.
3. When using #6 AWG solid wire in the tap side, fold conductor double prior to crimping.
4. When using GGC-4, if 3/0 conductor is used in the tap side, use a minimum of 2/0 conductor in the run side.

TYPE ELT

Features

- Manufactured from copper alloy
- Clearly marked with wire size and die index
- Range taking
- UL Listed and CSA Certified for grounding and bonding
- May be used in ground grid applications

Benefits

- Provides maximum conductivity
- Provides easy identification and tooling recommendation
- Reduces inventory
- For direct burial in earth or concrete
- Flexibility in application



| Catalog Number | Copper Wire Range | | Width - in. (mm) | Die Index | Rebar | | Main Ground Rod |
|----------------|-------------------|-------------------|------------------|---------------|-------|-------|-----------------|
| | Main | Tap | | | Main | Tap | |
| ELT-1 | 2str-6sol | 2str-6sol | .750 (19.1) | C (U Type) | - | - | - |
| ELT-4 | 2/0str-1str | 2str-6str | .750 (19.1) | O (U Type) | #3 | - | - |
| ELT-2 | 2/0str-1str | 2/0str-1str | .750 (19.1) | O (U Type) | #3 | #3 | - |
| ELT-5 | 250kcmil-3/0str | 2/0str-6sol | .750 (19.1) | 997 (U Type) | #4 | #3 | 1/2" |
| ELT-3 | 250kcmil-3/0str | 250kcmil-3/0str | .900 (22.9) | 997 (U Type) | #4 | #4 | 1/2" |
| ELT-6 | 500kcmil-300kcmil | 250kcmil-3/0str | .875 (22.2) | 1011 (U Type) | #6 | #3-#4 | 3/4" |
| ELT-7 | 500kcmil-300kcmil | 3/0str-6sol | .875 (22.2) | 1011 (U Type) | #5 | #3-#4 | 5/8" |
| ELT-8 | 500kcmil-300kcmil | 500kcmil-300kcmil | .875 (22.2) | 1011 (U Type) | #5-#6 | #5-#6 | 5/8" |

Tooling Information

| Catalog Number | ILSCO | | Burdny | | |
|----------------|--|--|-----------------------------------|-----------------------------------|-----------------------------|
| | ILC-12-N, ILC-12H-N, ILC-12, ILC-12H, ILC-14, ILC-14H, ILCB-12-N, ILCB-12-LIO, TB-12U1000-P, TM-12U1000, TR-12U1000 Die (No. of Crimps) | ILC-15H, ILC-15 Die (No. of Crimps) | Y-35, Y-45 Die (No. of Crimps) | Y-35, Y-45 Die (No. of Crimps) | Y-46 Die (No. of Crimps) |
| ELT-1 | ILD-C (1) | - | C (U Type) (1) | - | - |
| ELT-2 | ILD-O (1) | - | O (U Type) (1) | - | - |
| ELT-3 | ILD-U997 (1) | - | 997 (U Type) (1) | - | - |
| ELT-4 | ILD-O (1) | - | O (U Type) (1) | - | - |
| ELT-5 | ILD-U997 (1) | - | 997 (U Type) (1) | - | - |
| ELT-6 | ILD-U1011 (2) | ILD-P1011 (2) | - | 1011 (U Type) (2) | 1011 (U Type) (1) |
| ELT-7 | ILD-U1011 (2) | ILD-P1011 (2) | - | 1011 (U Type) (2) | 1011 (U Type) (1) |
| ELT-8 | ILD-U1011 (2) | ILD-P1011 (2) | - | 1011 (U Type) (2) | 1011 (U Type) (1) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG) See information sheet for complete information on tooling.
Tested to UL 467, UL File E34440

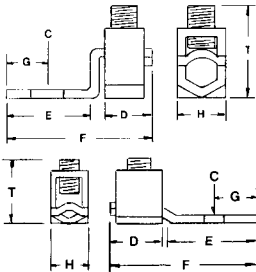
TYPE SLU

Features

- Manufactured from electrolytic copper tubing and strip stock
- Compact design
- Range taking
- Re-usable
- UL Listed
- V-bottom collar

Benefits

- Provides maximum conductivity and strength
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Suitable for direct burial in earth or concrete
- Wires are wedged between arched pressure bar and collar establishing positive contact and firm permanent grip



| Catalog Number | Wire Range Copper | Bolt Size | Dimensions | | | | | | | Hex Size |
|----------------|-----------------------|-----------|------------|------|-------|---------|------|-----|-----|----------|
| | | | C | D | E | F | G | H | T | |
| SLU-35DB | 6-14 & List Comb. (A) | #10 | 13/64 | 7/16 | 15/32 | 1-3/16 | 7/32 | 3/8 | 3/4 | Slot |
| SLU-70DB | 2-8 & List Comb. (B) | 1/4 | 17/64 | 1/2 | 21/32 | 1-17/32 | 1/4 | 1/2 | 1 | Slot |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

(A) UL Listed wire combinations: (2) 14; (2) 12; (2) 10; (2) 8 and (4) 16

(B) UL Listed wire combinations: (2) 6 and (2) 8

Tested to UL 467, UL File E34440

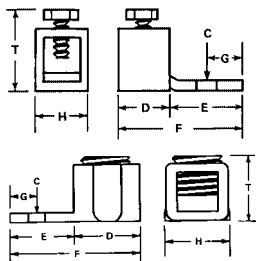
TYPE XT

Features

- Manufactured from electrolytic copper tubing and strip stock
- Compact design
- Range taking
- Re-usable
- UL Listed

Benefits

- Provides maximum conductivity and strength
- Saves space and reduces installation time.
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Suitable for direct burial in earth or concrete



| Catalog Number | Wire Range | Bolt Size | Dimensions | | | | | | | Hex Size |
|----------------|-----------------------|-----------|------------|-----|-------|-------|------|-----|-----|----------|
| | | | C | D | E | F | G | H | T | |
| XT-6DB | 6-14 | #10 | 13/64 | 3/8 | 17/32 | 1 | 7/32 | 3/8 | 3/4 | Slot |
| XT-4DB | 4-14 & List Comb. (A) | 1/4 | 17/64 | 1/2 | 5/8 | 1-1/8 | 1/4 | 1/2 | 5/8 | Slot |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

(A) UL Listed wire combinations: (2) 14; (2) 12; (2) 10; (2) 8 and (4) 16

Tested to UL 467, UL File E34440

TYPE CGRC

Features

- Manufactured from bronze alloy
- Supplied with stainless steel hardware
- UL 467 Listed for direct burial and CSA Certified

Benefits

- Ensures maximum strength and durability
- Suitable for direct burial in earth or concrete
- Ensures a safe and reliable grounding connection



| Catalog Number | Ground Rod | | Rebar | | Dimensions - in. (mm) | | |
|----------------|------------|------------|-------|------------|-----------------------|--------------|--------------|
| | Size | Wire Range | Size | Wire Range | W | H | L |
| CGRC-38 + | 3/8 | 4-10 | #3 | 4-10 | 0.472 (12.0) | 1.025 (26.0) | 0.695 (17.7) |
| CGRC-48 | 1/2 | 2-10 | #4 | 2-10 | 0.615 (15.6) | 1.220 (31.0) | 0.775 (19.7) |
| CGRC-58 | 5/8 | 2-10 | #5 | 4-10 | 0.625 (15.9) | 1.370 (34.8) | 0.930 (23.6) |
| CGRC-68 | 3/4 | 2-10 | #6 | 4-10 | 0.645 (16.4) | 1.543 (39.2) | 1.118 (28.4) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

+ CGRC-38 is not UL Listed

Tested to UL 467, UL File E34440

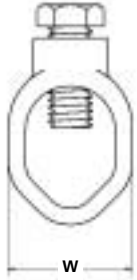
TYPE BGRC

Features

- Manufactured from cast bronze
- Supplied with silicone bronze hardware
- UL 467 Listed for direct burial and CSA Certified

Benefits

- Ensures maximum strength and durability
- Suitable for direct burial in earth or concrete
- Ensures a safe and reliable grounding connection



| Catalog Number | Ground Rod | | Rebar | | Dimensions - in. (mm) | | |
|----------------|------------|------------|-------|------------|-----------------------|--------------|--------------|
| | Size | Wire Range | Size | Wire Range | W | H | L |
| BGRC-48 | 1/2 | 2-10 | - | - | 0.892 (22.7) | 1.270 (32.3) | 0.822 (26.2) |
| BGRC-58 | 5/8 | 1/0-8 | #5 | 1/0-8 | 1.031 (26.2) | 1.428 (36.3) | 0.925 (23.5) |
| BGRC-68 | 3/4 | 1/0-8 | - | - | 1.031 (26.2) | 1.550 (39.4) | 1.040 (27.2) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 467, UL File E34440

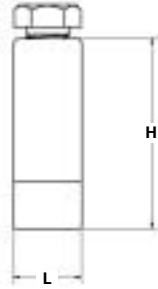
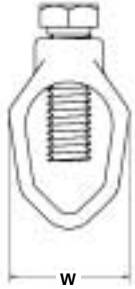
TYPE SRC

Features

- Manufactured from bronze alloy
- Supplied with stainless steel hardware
- UL 467 Listed for direct burial and CSA Certified
- Range taking

Benefits

- Ensures maximum strength and superior conductivity
- Suitable for direct burial in earth or concrete
- Ensures a safe and reliable grounding connection
- Reduces inventory requirement



| Catalog Number | Ground Rod | | Dimensions - in. (mm) | | |
|----------------|----------------|------------------|-----------------------|--------------|--------------|
| | Size | Wire Range | W | H | L |
| SRC-1/0 | 3/8*, 1/2, 5/8 | 1/0 str - 10 sol | 0.892 (22.7) | 1.270 (32.3) | 0.750 (19.1) |
| | 3/4 | 1/0 str - 8 sol | 0.590 (15.0) | 1.666 (42.3) | 1.031 (26.2) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

*SRC-1/0 is not UL Listed with a 3/8" ground rod

Tested to UL 467, UL File E34440

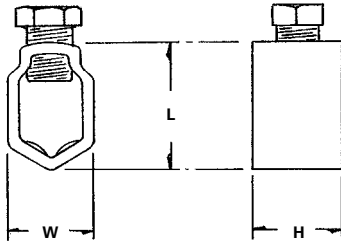
TYPE GRC

Features

- Manufactured from seamless bronze tubing
- Supplied with silicon bronze screw
- Suitable for grounding and bonding in applications such as swimming pools and spas
- Copper conductor only

Benefits

- Provides maximum strength and superior conductivity
- Ground rod clamp is suitable for direct burial in earth or concrete



| Catalog Number | Ground Rod Size | Ground Wire Range | Rebar Size | Rebar Wire Range | Dimensions | |
|----------------|-----------------|---------------------------------------|------------|------------------|------------|--------|
| | | | | | L | W |
| GRC-38 | 3/8 | 4-10 | #3 | 4-10 | 5/8 | 5/8 |
| GRC-58+ | 5/8 | 2-8 | - | - | 15/16 | 7/8 |
| GRC-68 | 3/4, 5/8 | 2-8 for 3/4 rod, 1/0-8 for 5/8 rod | #5 | 1/0-8 | 1 | 1 |
| GRC-75* | 3/4 | 3/0-8 | - | - | 3/4 | 1-5/32 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Plain copper finish.

+ RUS Listed.

* Not UL Listed.

Tested to UL 467, UL File E34440

TYPE RLT

Features

- UL Listed and CSA certified for direct burial in earth or concrete
- Range taking
- Manufactured from high strength copper alloy
- Prefilled with DE-OX® oxide inhibitor compound and bagged
- Clearly marked with wire size and die index

Benefits

- Ensures reliability
- Reduces inventory
- Provides maximum conductivity and eliminates the possibility of corrosion
- Prevents oxides from forming
- Provides easy identification and tooling recommendations

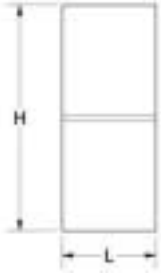


Fig. 1



Fig. 2



Fig. 3

| Catalog Number | Figure Number | Ground Rod Size | Wire Range | Die Index | Dimensions - in. (mm) | |
|----------------|---------------|-----------------|---------------------|-----------|-----------------------|--------------|
| | | | | | H | L |
| RLT-2 | 1 | 1/2 | 2/0 - 2 | 998/1011 | 1.940 (49.3) | 0.880 (22.4) |
| RLT-3 | 1 | 5/8 | 2/0 - 2 | 998/1011 | 1.970 (50.0) | 0.880 (22.4) |
| RLT-4 | 1 | 3/4 | 2/0 - 2 | 998/1011 | 2.190 (55.6) | 0.880 (22.4) |
| RLT-10 | 1 | 1 | 2/0 - 2 | 998/1011 | 2.440 (62.0) | 0.880 (22.4) |
| RLT-5 | 1 | 1/2 | 250kcmil - 4/0 | 998/1011 | 1.940 (49.3) | 0.880 (22.4) |
| RLT-6 | 1 | 5/8 | 250kcmil - 4/0 | 998/1011 | 2.140 (54.4) | 0.880 (22.4) |
| RLT-7 | 1 | 3/4 | 250kcmil - 4/0 | 998/1011 | 2.190 (55.6) | 0.880 (22.4) |
| RLT-11 | 1 | 1 | 250kcmil - 4/0 | 998/1011 | 2.570 (65.3) | 0.880 (22.4) |
| RLT-8 | 1 | 5/8 | 500kcmil - 300kcmil | 998/1011 | 2.140 (54.4) | 0.880 (22.4) |
| RLT-9 | 1 | 3/4 | 500kcmil - 300kcmil | 998/1011 | 2.440 (62.0) | 0.880 (22.4) |
| RLT-12 | 1 | 1 | 500kcmil - 300kcmil | 998/1011 | 2.680 (68.1) | 0.880 (22.4) |
| RLT-13 | 2 | 5/8 | 2 SOL | 998/1011 | 2.140 (54.4) | 0.880 (22.4) |
| RLT-4TN* | 3 | 3/4 | 2/0 - 2 | 998/1011 | 2.191 (55.7) | 0.875 (22.2) |
| RLT-7TN* | 3 | 3/4 | 250kcmil - 4/0 | 998/1011 | 2.191 (55.7) | 0.875 (22.2) |
| RLT-8TN* | 3 | 5/8 | 500kcmil - 300kcmil | 998/1011 | 2.142 (54.4) | 0.875 (22.2) |
| RLT-9TN* | 3 | 3/4 | 500kcmil - 300kcmil | 998/1011 | 2.432 (61.8) | 0.875 (22.2) |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Tested to UL 467, UL File E34440

* All suffix "TN" parts electro-tin plated; to be specifically used with galvanized steel ground rod. The ground rod hole diameter is larger to suit galvanized steel.



TYPE RLT

Features

- UL Listed and CSA certified for direct burial in earth or concrete
- Range taking
- Manufactured from high strength copper alloy
- Prefilled with DE-OX® oxide inhibitor compound and bagged
- Clearly marked with wire size and die index

Benefits

- Ensures reliability
- Reduces inventory
- Provides maximum conductivity and eliminates the possibility of corrosion
- Prevents oxides from forming
- Provides easy identification and tooling recommendations

| Catalog Number | ILSCO | | | | Competitor's Tooling | | | | | | | | |
|----------------|---|---------|-----------------------------|---------|---|---------|-------------------------------------|---------|--|---------|---------------------------------------|---------|----------|
| | Hydraulic Tools | | | | Burndy | | | | Thomas & Betts | | | | |
| | 12-Ton | | 15-Ton | | 12-Ton | | 15-Ton | | 12-Ton | | 15-Ton | | |
| | ILC-12-N, ILC-12H-N, ILCB-12-LIO (No. of Crimps) | | ILC-15-H (No. of Crimps) | | Y750, PAT750XT, Y750BH (No. of Crimps) | | Y46, Y46C, PAT46 (No. of Crimps) | | TBM14M, TBM14MC, TBM14BSCR, BPLT14BSCR, BPLT14BSCRI, 13100A (No. of Crimps) | | TBM15I, BPLT15BSCR (No. of Crimps) | | |
| Die 998 | Die 1011 | Die 998 | Die 1011 | Die 998 | Die 1011 | Die 998 | Die 1011 | Die 998 | Die 1011 | Die 998 | Die 1011 | Die 998 | Die 1011 |
| RLT-2 | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | |
| RLT-3 | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | |
| RLT-4 | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | |
| RLT-5 | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | |
| RLT-6 | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | |
| RLT-7 | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | |
| RLT-8 | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | |
| RLT-9 | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | |
| RLT-10 | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | |
| RLT-11 | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | |
| RLT-12 | (1) | - | - | (2) | (1) | (2) | - | (2) | (1) | (2) | (1) | (2) | |
| RLT-13 | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | |
| RLT-4TN | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | |
| RLT-7TN | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | |
| RLT-8TN | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | |
| RLT-9TN | (1) | - | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | |

Notes:

1. The RLT Series of compression connectors are designed to connect a copper ground conductor to a copper clad ground rod.
2. The RLT Series of compression connectors are pre-filled with inhibiting compound and are suitable for direct burial.
3. It is recommended to rough up the end of the ground rod where RLT is to be placed. This provides good rotational resistance. Perform a "pre-crimp" on ground rod prior to installing RLT connector. Use an indent type of dies such as Burndy's U2CABT (Die Index #348) or UPRECRIMP-12, -58, -34.*
4. The RLT Series may be rotated around the rod to any desired position before crimping.

* "UPRECRIMP" and "U2CABT" are registered trademarks TM of Burndy/FCI

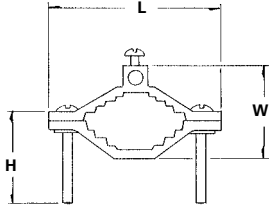
TYPE BGC

Features

- Manufactured from cast brass
- Type BGC-DB supplied with stainless steel or silicon bronze hardware
- Copper conductor only

Benefits

- Provides maximum conductivity and strength
- BGC-1DB and BGC-2DB are suitable for direct burial in earth or concrete. Can be used to ground swimming pools and spas.



| Catalog Number | Pipe Size | Ground Wire Range | Dimensions | | |
|----------------|-----------------|-------------------|------------|--------|-------|
| | | | L | W | H |
| BGC-1 | 1/2, 3/4, 1 | 2-10 | 2-9/32 | 1-7/16 | 1-1/2 |
| BGC-2 | 1-1/4, 1-1/2, 2 | 2-10 | 3-9/16 | 2-1/4 | 2 |
| BGC-1DB* | 1/2, 3/4, 1 | 2-10 | 2-9/32 | 1-7/16 | 1-1/2 |
| BGC-2DB* | 1-1/4, 1-1/2, 2 | 2-10 | 3-8/16 | 2-1/4 | 2 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* Suitable for direct burial in earth or concrete. UL467

UL File E158587

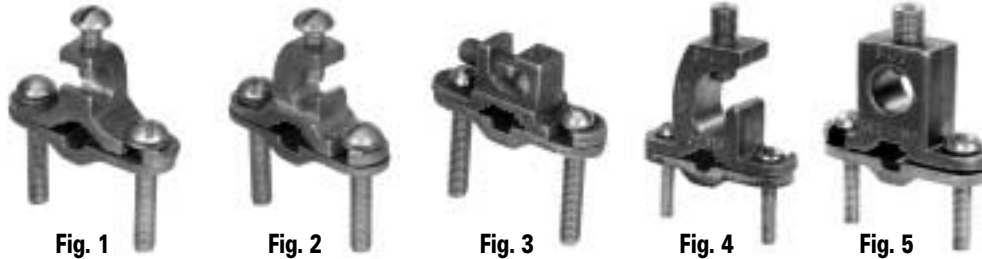
TYPE BGDB

Features

- Manufactured from bronze alloy
- UL Listed for direct burial in earth or concrete
- Lay-In feature

Benefits

- Ensures maximum strength and superior conductivity
- Ensures reliability
- Reduces installation time



| Catalog Number | Figure Number | Pipe Size | Rebar Size | Ground Rod Size | Ground Wire Range | Screw Material | Dimensions | |
|----------------|---------------|-----------|------------|-----------------|-----------------------|-----------------|------------|-------|
| | | | | | | | L | W |
| BGC-2T-DB* | 1 | 1/2-1 | 3/8-1 | 1/2-1 | 2str-10sol | silicon bronze | 2-3/4 | 2-1/4 |
| BGC-2P-DB* | 2 | 1/2-1 | 3/8-1 | 1/2-1 | 2str-10sol | silicon bronze | 2-3/4 | 2-1/4 |
| BGC-2PS-DB+ | 3 | 1/2-1 | 3/8-1 | 1/4-1 | 2str-10sol 2 #8sol | stainless steel | 2-1/4 | 2-1/4 |
| BGC-4/0P-DB=## | 4 | 1/2-1 | 3/8-1 | 1/2-1 | 4/0-8str | stainless steel | 3 | 2-1/4 |
| BGC-4/0S-DB=## | 5 | 1/2-1 | 3/8-1 | 1/2-1 | 4/0-8str | stainless steel | 2-3/4 | 2-1/4 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* UL File E207816

+ UL File E198108

= UL File E178441

Not RoHS compliant

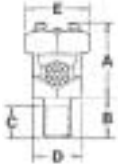
TYPE SPS

Features

- Range taking
- Re-usable
- UL 486A/B and UL 467 Listed
- For grounding of steel structures, fence posts and tapping cables from bus bar
- For copper to copper connections

Benefits

- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Ensures reliability
- Flexibility in the field



| Catalog Number | Conductor Range AWG MM ² | | | | Maximum Diameter Range | Stud Size | Dimensions | | | | |
|----------------|-------------------------------------|--------------------------|------------------------|------------------------|------------------------|----------------|------------|-------|---------|--------|---------|
| | Stranded | | Solid | | | | A | B | C | D | E |
| | Max. | Min. | Max. | Min. | | | | | | | |
| SPSS-0 | 8 | 12 (4mm ²) | 8 (10mm ²) | 12 (4mm ²) | .146-.080 | 1/4-20 x 1/2 | 11/16 | 1/2 | 55/64 | 15/32 | 1/2 |
| SPSS-1 | 7 (10mm ²) | 10 (6mm ²) | 6 (10mm ²) | 10 (6mm ²) | .170-.102 | 1/4-20 x 1/2 | 13/16 | 1/2 | 55/64 | 15/32 | 21/32 |
| SPSS-2 | 5 (16mm ²) | 10 (6mm ²) | 4 (16mm ²) | 10 (6mm ²) | .217-.102 | 5/16-18 x 5/8 | 15/16 | 5/8 | 53/64 | 17/32 | 23/32 |
| SPSS-3 | 3 (25mm ²) | 10 (6mm ²) | 2 (35mm ²) | 10 (6mm ²) | .271-.102 | 3/8-16 x 5/8 | 1/2 | 5/8 | 61/64 | 5/8 | 25/32 |
| SPSS-4 | 1 (35mm ²) | 8 (6mm ²) | 2 (35mm ²) | 8 (10mm ²) | .332-.128 | 3/8-16 x 5/8 | 1-1/16 | 5/8 | 61/64 | 11/16 | 7/8 |
| SPSS-5 | 1/0 (50mm ²) | 2 (35mm ²) | 2 (35mm ²) | - | .385-.258 | 1/2-13 x 3/4 | 1-1/4 | 3/4 | 1-5/64 | 3/4 | 15/16 |
| SPSS-6 | 2/0 (70mm ²) | 2 (35mm ²) | 2 (35mm ²) | - | .443-.258 | 1/2-13 x 3/4 | 1-13/32 | 3/4 | 1-5/64 | 7/8 | 1-1/16 |
| SPSS-8 | 4/0 (95mm ²) | 1 (35mm ²) | - | - | .570-.289 | 5/8-11 x 1 | 1-9/16 | 1 | 1-19/64 | 1 | 1-5/16 |
| SPSS-9 | 350 (150mm ²) | 1/0 (70mm ²) | - | - | .715-.373 | 5/8-11 x 1 | 2 | 1-1/4 | 1-19/64 | 1-5/16 | 1-11/16 |
| SPSS-10 | 500 (240mm ²) | 3/0 (95mm ²) | - | - | .840-.464 | 3/4-10 x 1-1/4 | 2-1/4 | 1-3/4 | 1-31/64 | 1-1/2 | 1-7/8 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E158587

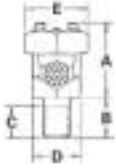
TYPE SPS

Features

- Range taking
- Re-usable
- UL 486A/B and UL 467 Listed
- For grounding of steel structures, fence posts and tapping cables from bus bar
- For copper to copper connections

Benefits

- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Ensures reliability
- Flexibility in the field



| Catalog Number | Conductor Range AWG MM ² | | | | Maximum Diameter Range | Stud Size | Dimensions | | | | |
|----------------|-------------------------------------|--------------------------|------------------------|------------------------|------------------------|----------------|------------|-------|---------|-------|--------|
| | Stranded | | Solid | | | | A | B | C | D | E |
| | Max. | Min. | Max. | Min. | | | | | | | |
| SPSL-0 | 8 | 12 (4mm ²) | 8 (10mm ²) | 12 (4mm ²) | .146-.080 | 1/4-20 x 1 | 11/16 | 1 | 55/64 | 15/32 | 1/2 |
| SPSL-1 | 7 (10mm ²) | 10 (6mm ²) | 6 (10mm ²) | 10 (6mm ²) | .170-.102 | 1/4-20 x 1 | 13/16 | 1 | 55/64 | 15/32 | 21/32 |
| SPSL-2 | 5 (16mm ²) | 10 (6mm ²) | 4 (16mm ²) | 10 (6mm ²) | .217-.102 | 5/16-18 x 1 | 15/16 | 1 | 53/64 | 17/32 | 23/32 |
| SPSL-3 | 3 (25mm ²) | 10 (6mm ²) | 2 (35mm ²) | 10 (6mm ²) | .271-.102 | 3/8-16 x 1-1/8 | 1/2 | 1-1/8 | 61/64 | 5/8 | 25/32 |
| SPSL-4 | 1 (35mm ²) | 8 (6mm ²) | 2 (35mm ²) | 8 (10mm ²) | .332-.128 | 3/8-16 x 1-1/8 | 1-1/16 | 1-1/8 | 61/64 | 11/16 | 7/8 |
| SPSL-5 | 1/0 (50mm ²) | 2 (35mm ²) | 2 (35mm ²) | - | .385-.258 | 1/2-13 x 1-1/4 | 1-1/4 | 1-1/4 | 1-5/64 | 3/4 | 15/16 |
| SPSL-6 | 2/0 (70mm ²) | 2 (35mm ²) | 2 (35mm ²) | - | .443-.258 | 1/2-13 x 1-1/4 | 1-13/32 | 1-1/4 | 1-5/64 | 7/8 | 1-1/16 |
| SPSL-8 | 4/0 (95mm ²) | 1 (35mm ²) | - | - | .570-.289 | 5/8-11 x 1-1/2 | 1-9/16 | 1-1/2 | 1-19/64 | 1 | 1-5/16 |
| SPSL-10 | 500 (240mm ²) | 3/0 (95mm ²) | - | - | .840-.464 | 3/4-10 x 1-3/4 | 2-1/4 | 1-1/2 | 1-31/64 | 1-1/2 | 1-7/8 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E158587

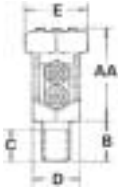
TYPE SPD

Features

- Range taking
- Re-usable
- UL 486A/B and UL 467 Listed
- For grounding of steel structures, fence posts and tapping cables from bus bar
- For copper to copper connections

Benefits

- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Ensures reliability
- Flexibility in the field



| Catalog Number | Conductor Range AWG MM ² | | | | Maximum Diameter Range | Stud Size | Dimensions | | | | |
|----------------|-------------------------------------|--------------------------|------------------------|------------------------|------------------------|----------------|------------|-------|---------|--------|---------|
| | Stranded | | Solid | | | | AA | B | C | D | E |
| | Max. | Min. | Max. | Min. | | | | | | | |
| SPDS-0 | 8 | 12 (4mm ²) | 8 (10mm ²) | 12 (4mm ²) | .146-.080 | 1/4-20 x 1/2 | 13/16 | 1/2 | 55/64 | 15/32 | 1/2 |
| SPDS-1 | 7 (10mm ²) | 10 (6mm ²) | 6 (10mm ²) | 10 (6mm ²) | .170-.102 | 1/4-20 x 1/2 | 31/32 | 1/2 | 55/64 | 15/32 | 21/32 |
| SPDS-2 | 5 (16mm ²) | 10 (6mm ²) | 4 (16mm ²) | 10 (6mm ²) | .217-.102 | 5/16-18 x 5/8 | 1-1/8 | 5/8 | 53/64 | 17/32 | 23/32 |
| SPDS-3 | 3 (25mm ²) | 10 (6mm ²) | 2 (35mm ²) | 10 (6mm ²) | .271-.102 | 3/8-16 x 5/8 | 1-1/4 | 5/8 | 61/64 | 5/8 | 25/32 |
| SPDS-4 | 1 (35mm ²) | 8 (6mm ²) | 2 (35mm ²) | 8 (10mm ²) | .332-.128 | 3/8-16 x 5/8 | 1-3/8 | 5/8 | 61/64 | 11/16 | 7/8 |
| SPDS-5 | 1/0 (50mm ²) | 2 (35mm ²) | 2 (35mm ²) | - | .385-.258 | 1/2-13 x 3/4 | 1-19/32 | 3/4 | 1-5/64 | 3/4 | 15/16 |
| SPDS-6 | 2/0 (70mm ²) | 2 (35mm ²) | 2 (35mm ²) | - | .443-.258 | 1/2-13 x 3/4 | 1-13/16 | 3/4 | 1-5/64 | 7/8 | 1-1/16 |
| SPDS-8 | 4/0 (95mm ²) | 1 (35mm ²) | - | - | .570-.289 | 5/8-11 x 1 | 2-1/16 | 1 | 1-19/64 | 1 | 1-5/16 |
| SPDS-9 | 350 (150mm ²) | 1/0 (70mm ²) | - | - | .715-.373 | 5/8-11 x 1 | 2-3/4 | 1-1/4 | 1-19/64 | 1-5/16 | 1-11/16 |
| SPDS-10 | 500 (240mm ²) | 3/0 (95mm ²) | - | - | .840-.464 | 3/4-10 x 1-1/4 | 3-1/8 | 1-3/4 | 1-31/64 | 1-1/2 | 1-7/8 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E158587

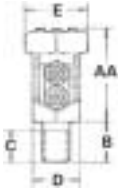
TYPE SPD

Features

- Range taking
- Re-usable
- UL 486A/B and UL 467 Listed
- For grounding of steel structures, fence posts and tapping cables from bus bar
- For copper to copper connections

Benefits

- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Ensures reliability
- Flexibility in the field



| Catalog Number | Conductor Range AWG MM ² | | | | Maximum Diameter Range | Stud Size | Dimensions | | | | |
|----------------|-------------------------------------|--------------------------|------------------------|------------------------|------------------------|----------------|------------|-------|---------|--------|---------|
| | Stranded | | Solid | | | | AA | B | C | D | E |
| | Max. | Min. | Max. | Min. | | | | | | | |
| SPDL-0 | 8 | 12 (4mm ²) | 8 (10mm ²) | 12 (4mm ²) | .146-.080 | 1/4-20 x 1 | 13/16 | 1 | 55/64 | 15/32 | 1/2 |
| SPDL-1 | 7 (10mm ²) | 10 (6mm ²) | 6 (10mm ²) | 10 (6mm ²) | .170-.102 | 1/4-20 x 1 | 31/32 | 1 | 55/64 | 15/32 | 21/32 |
| SPDL-2 | 5 (16mm ²) | 10 (6mm ²) | 4 (16mm ²) | 10 (6mm ²) | .217-.102 | 5/16-18 x 1 | 1-1/8 | 1 | 53/64 | 17/32 | 23/32 |
| SPDL-3 | 3 (25mm ²) | 10 (6mm ²) | 2 (35mm ²) | 10 (6mm ²) | .271-.102 | 3/8-16 x 1-1/8 | 1-1/4 | 1-1/8 | 61/64 | 5/8 | 25/32 |
| SPDL-4 | 1 (35mm ²) | 8 (6mm ²) | 2 (35mm ²) | 8 (10mm ²) | .332-.128 | 3/8-16 x 1-1/8 | 1-3/8 | 1-1/8 | 61/64 | 11/16 | 7/8 |
| SPDL-5 | 1/0 (50mm ²) | 2 (35mm ²) | 2 (35mm ²) | - | .385-.258 | 1/2-13 x 1-1/4 | 1-19/32 | 1-1/4 | 1-5/64 | 3/4 | 15/16 |
| SPDL-6 | 2/0 (70mm ²) | 2 (35mm ²) | 2 (35mm ²) | - | .443-.258 | 1/2-13 x 1-1/4 | 1-13/16 | 1-1/4 | 1-5/64 | 7/8 | 1-1/16 |
| SPDL-8 | 4/0 (95mm ²) | 1 (35mm ²) | - | - | .570-.289 | 5/8-11 x 1-1/2 | 2-1/16 | 1-1/2 | 1-19/64 | 1 | 1-5/16 |
| SPDL-9 | 350 (150mm ²) | 1/0 (70mm ²) | - | - | .715-.373 | 5/8-11 x 1-1/2 | 2-3/4 | 1-1/2 | 1-19/64 | 1-5/16 | 1-11/16 |
| SPDL-10 | 500 (240mm ²) | 3/0 (95mm ²) | - | - | .840-.464 | 3/4-10 x 1-3/4 | 3-1/8 | 1-1/2 | 1-31/64 | 1-1/2 | 1-7/8 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E158587

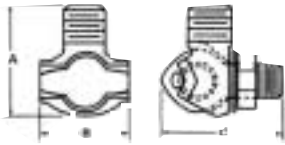
TYPE TTGC

Features

- Manufactured from bronze
- Eye bolt on TTGC2 rotates to accommodate cable in vertical or horizontal direction
- Range taking
- Stud fits all standard EEI-NEMA distribution transformers

Benefits

- Provides maximum strength and superior conductivity
- Flexibility
- Permits inventories to be kept to a minimum
- Reliability



| Catalog Number | Conductor Range | | Stud Thread Size UNC - 2A | Dimensions | | |
|----------------|-----------------|--------|---------------------------|------------|--------|---------|
| | Max. | Min. | | A | B | C |
| TTGC2 | 2/0 | 8 sol | 1/2-13 | 1-51/64 | 1-9/64 | 1-21/32 |
| TTGC3 | 1 str | 10 sol | 1/2-13 | 1-3/8 | 1-3/64 | 1-9/16 |
| TTGC4+ | 1 str | 10 sol | 1/2-13 | 1-1/4 | 7/8 | 1-3/8 |
| TTGC2TN+ | 2/0 | 8 sol | 1/2-13 | 1-51/64 | 1-9/64 | 1-21/32 |
| TTGC3TN* | 1 str | 10 sol | 1/2-13 | 1-3/8 | 1-3/64 | 1-9/16 |
| TTGC4TN* | 1 str | 10 sol | 1/2-13 | 1-1/4 | 7/8 | 1-3/8 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

+ RUS Listed

* Tin Plated

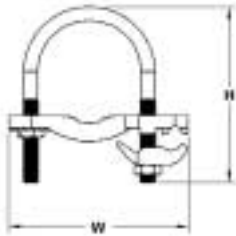
TYPE
GPL3

Features

- Range taking
- Cable clamp rotates
- Silicon bronze hardware
- UL 467 Listed

Benefits

- Inventory reduction
- Allows ground conductor to be attached parallel to pipe or at 90°
- Corrosion resistant
- Suitable for direct burial in earth or concrete



| Catalog Number | Ground Wire Range | IPS Pipe Size | Dimensions | | Fits Pipe O.D. Range |
|----------------|-------------------|---------------|------------|--------|----------------------|
| | | | W | H | |
| GPL3902BU | 4 - 4/0 | 1/2 - 1 | 3.250 | 3.500 | .840 - 1.32 |
| GPL3903BU | 4 - 4/0 | 1-1/4 - 2 | 4.250 | 4.000 | 1.66 - 2.38 |
| GPL3904BU | 4 - 4/0 | 2-1/2 - 3-1/2 | 5.000 | 6.500 | 2.88 - 4.00 |
| GPL3905BU | 4 - 4/0 | 4 - 5 | 7.500 | 7.500 | 4.50 - 5.56 |
| GPL3906BU | 4 - 4/0 | 6 | 8.625 | 8.500 | 6.62 |
| GPL3907BU | 4 - 4/0 | 8 | 10.625 | 10.000 | 8.62 |
| GPL3908BU | 4 - 4/0 | 10 | 12.750 | 12.000 | 10.75 |
| GPL3909BU | 4 - 4/0 | 12 | 14.750 | 14.000 | 12.75 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E34440

TYPE CGBL

Features

- Lay-in feature
- Manufactured from high strength copper
- Stainless steel hardware
- Meets or exceeds NEC 680.7 requirements

Benefits

- Provides ease of installation of continuous loop grounding conductor
- Suitable for direct burial and for use with copper conductors
- Resists oxidation and corrosion in earth or concrete
- Pool equipment bonding in corrosive environments

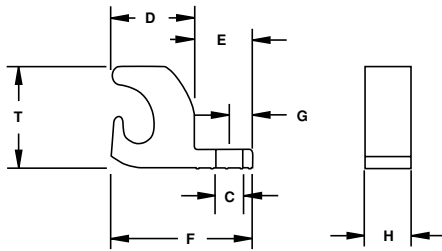


Fig. 1



Fig. 2

| Catalog Number | Figure Number | Ground Wire Range | Bolt Size | Dimensions | | | | | | | Screw Type |
|----------------|---------------|-------------------|-----------|------------|------|------|-------|------|------|------|------------|
| | | | | C | D | E | F | G | H | T | |
| GBL-4DB | 1 | 4-14 | 10 | .218 | .680 | .470 | 1.150 | .190 | .375 | .825 | Slot |
| GBL-4DB-14 | 1 | 4-14 | 1/4 | .265 | .680 | .470 | 1.150 | .210 | .472 | .825 | Slot |
| *+ GBL-4DBT | 1 | 4-14 | 10 | .218 | .680 | .470 | 1.150 | .190 | .375 | .825 | Slot |
| * GBL-4DBT-14 | 1 | 4-14 | 1/4 | .265 | .680 | .470 | 1.150 | .210 | .472 | .825 | Slot |
| *+ GBL-4DBTH | 2 | 4-14 | 10 | .218 | .680 | .470 | 1.150 | .190 | .375 | .825 | Hex |
| * GBL-4DBTH-14 | 2 | 4-14 | 1/4 | .265 | .680 | .470 | 1.150 | .210 | .472 | .825 | Hex |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Tested to UL 467, UL File E34440

* T indicates tin plating

+ GBL-4DBT and GBL-4DBTH are UL2703 Listed UL E354420 Vol. 2

Optional MH Series mounting hardware kits available, consult ILSCO

680.7 Grounding and Bonding Terminals. Grounding and bonding terminals shall be identified for use in wet and corrosive environments. Field-installed grounding and bonding connections in a damp, wet or corrosive environment shall be composed of copper, copper alloy, or stainless steel. They shall be listed for direct burial use.

Heat Shrinkable Products

SILICONE TAPE



428

HEAVY WALL



429

END CAPS



430

MEDIUM WALL



431

THIN WALL



432

BULK REELS



433

HEAT GUN



434

TYPE SFT

Features

- Self fusing
- 700 PSI tensile strength
- Insulates 8,000 volts per layer
- Withstands 500° F
- Flexible at -85° F
- Mil-Spec-I - 46852

Wrap 'N Seal Silicone Tape is a self-fusing silicone tape suitable for many applications, including wrapping electrical connections and wire harnesses. The silicone tape only bonds to itself with no adhesive mess. It conforms to any shape and withstands UV rays, acids and fuels. Once wrapped, it bonds immediately, forming a permanent air and watertight seal. It becomes permanently fused in 24 hours.



| Catalog Number | Color | W | L |
|----------------|------------------|----|-----|
| 99200 | White | 1" | 20' |
| 99201 | Red | 1" | 20' |
| 99202 | Black | 1" | 20' |
| 99205 | Green | 1" | 20' |
| 99206 | Blue | 1" | 20' |
| 99207 | Yellow | 1" | 20' |
| 99208 | Clear | 1" | 20' |
| 99209 | Glow in the Dark | 1" | 20' |
| 99211 | Gray | 1" | 20' |
| 99212 | Orange/Red | 1" | 20' |

Heat Shrinkable Tubing Heavy Wall with Adhesive Liner

TYPE Heavy Wall

Features

- 3:1 shrink ratio
- UL Listed 486D and CSA Certified for 600 volts
- Inner adhesive liner
- Flame retardant

Benefits

- Provides a wide range of coverage when used on connectors and cable
- Ensures reliability for insulating terminations and splices
- Melts to form intimate contact with part to seal out elements and produce a watertight seal suitable for above ground, direct burial and underwater applications
- Meets Mil Spec 23053/15 rigid requirements for flame retardancy



| Catalog Number | Wire Range | Exp. Id. | Rec. Id. | Recovered Wall Thickness | L |
|----------------|--------------------|----------|----------|--------------------------|-----|
| 21106-B3* | 6-14 | 0.400 | 0.150 | 0.060 | 6" |
| 21112-B3* | 6-14 | 0.400 | 0.150 | 0.060 | 12" |
| 21206-B3 | 1-8 | 0.750 | 0.220 | 0.090 | 6" |
| 21209-B3 | 1-8 | 0.750 | 0.220 | 0.090 | 9" |
| 21212-B3 | 1-8 | 0.750 | 0.220 | 0.090 | 12" |
| 21230 | 1-8 | 0.750 | 0.220 | 0.090 | 30" |
| 21406-B2 | 4/0-2 | 1.100 | 0.375 | 0.120 | 6" |
| 21409-B2 | 4/0-2 | 1.100 | 0.375 | 0.120 | 9" |
| 21412-B2 | 4/0-2 | 1.100 | 0.375 | 0.120 | 12" |
| 21448 | 4/0-2 | 1.100 | 0.375 | 0.120 | 48" |
| 21609-B2 | 400kcmil-4/0 | 1.500 | 0.500 | 0.140 | 9" |
| 21612-B2 | 400kcmil-4/0 | 1.500 | 0.500 | 0.140 | 12" |
| 21648 | 400kcmil-4/0 | 1.500 | 0.500 | 0.140 | 48" |
| 21709-B | 1000kcmil-500kcmil | 2.000 | 0.750 | 0.155 | 9" |
| 21712-B | 1000kcmil-500kcmil | 2.000 | 0.750 | 0.155 | 12" |
| 21748 | 1000kcmil-500kcmil | 2.000 | 0.750 | 0.155 | 48" |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

*UL Listed wire range 12 - 6.

UL File E158587

Heat Shrinkable End Caps Heavy Wall with Adhesive Liner

TYPE
**Heavy
Wall**

Features

- 3:1 shrink ratio
- Inner adhesive liner
- Rated for 600 volts

Benefits

- Provides a wide range of coverage when used on connectors and cable
- Melts to form intimate contact with part to seal out elements and produce a watertight seal suitable for above ground, direct burial and underwater applications
- Ensures reliability



| Catalog Number | Wire Range | Exp. Id. | Rec. Id. | Recovered Wall Thickness | L |
|----------------|--------------------|----------|----------|--------------------------|------|
| 23081-B2 | 4/0-8 | .75 | 0.22 | .08 | 3.5" |
| 23125-B2 | 500kcmil-4/0 | 1.30 | 0.43 | .08 | 4.5" |
| 23210-B2 | 1000kcmil-400kcmil | 2.05 | 0.75 | .08 | 4.5" |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Heat Shrinkable Clear Tubing Medium Wall with Adhesive Liner

TYPE Medium Wall

Features

- Clear tubing
- 2.5:1 shrink ratio
- Inner adhesive liner
- Rated for 600 volts

Benefits

- Provides convenient see through capability which gives assurance that termination was made properly after shrink process has been performed
- Provides a wide range of coverage when used on connectors and cable
- Melts to form intimate contact with part to seal out elements and produce a watertight seal suitable for above ground, direct burial and underwater applications
- Ensures reliability



| Catalog Number | Wire Range | Exp. Id. | Rec. Id. | Recovered Wall Thickness | L |
|----------------|------------|----------|----------|--------------------------|-----|
| 22106-B3 | 14-18 | 0.290 | 0.080 | 0.047 | 6" |
| 22112-B3 | 14-18 | 0.290 | 0.080 | 0.047 | 12" |
| 22206-B3 | 8-12 | 0.375 | 0.135 | 0.050 | 6" |
| 22212-B3 | 8-12 | 0.375 | 0.135 | 0.050 | 12" |
| 22306-B3 | 2-8 | 0.500 | 0.195 | 0.055 | 6" |
| 22312-B3 | 2-8 | 0.500 | 0.195 | 0.055 | 12" |
| 22406-B2 | 4/0-1 | 1.000 | 0.400 | 0.075 | 6" |
| 22412-B2 | 4/0-1 | 1.000 | 0.400 | 0.075 | 12" |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

TYPE Thin Wall

Features

- 2:1 shrink ratio
- UL Recognized and CSA Certified
- Rated for 600 volts
- Convenient disk dispenser

Benefits

- Provides a wide range of coverage when used on connectors and cable
- Assures product reliability for insulating and protecting terminations and splices
- Ensures reliability
- Protects tubing from damage and keeps it clean



| Catalog Number | Wire Range | Exp. Id. | Rec. Id. | Recovered Wall Thickness | L |
|----------------|------------|----------|----------|--------------------------|----------|
| 24001-B10 | 26-34 | 0.046 | 0.023 | 0.016 | 6" |
| 24002-B10 | 24-30 | 0.063 | 0.031 | 0.017 | 6" |
| 24003-B10 | 22-28 | 0.093 | 0.046 | 0.020 | 6" |
| 24004-B10 | 20-26 | 0.125 | 0.062 | 0.020 | 6" |
| 24005-B10 | 18-22 | 0.187 | 0.093 | 0.020 | 6" |
| 24006-B10 | 14-16 | 0.250 | 0.125 | 0.025 | 6" |
| 24007-B5 | 10-12 | 0.312 | 0.156 | 0.025 | 6" |
| 24008-B5 | 6-8 | 0.375 | 0.187 | 0.025 | 6" |
| 24009-B5 | 4-6 | 0.500 | 0.250 | 0.025 | 6" |
| 24010-B5 | 2/0-2 | 0.750 | 0.375 | 0.030 | 6" |
| 24011-B5 | 4/0-1 | 1.000 | 0.500 | 0.035 | 6" |
| 24999-B12+ | - | - | - | - | - |
| 25001 | 26-34 | 0.046 | 0.023 | 0.016 | 96" Disk |
| 25002 | 24-30 | 0.063 | 0.031 | 0.017 | 96" Disk |
| 25003 | 22-28 | 0.093 | 0.046 | 0.020 | 96" Disk |
| 25004 | 20-26 | 0.125 | 0.062 | 0.020 | 96" Disk |
| 25005 | 18-22 | 0.187 | 0.093 | 0.020 | 96" Disk |
| 25006 | 14-16 | 0.250 | 0.125 | 0.025 | 96" Disk |
| 25007 | 10-12 | 0.3112 | 0.156 | 0.025 | 96" Disk |
| 25008 | 6-8 | 0.375 | 0.187 | 0.025 | 96" Disk |
| 25009 | 4-6 | 0.500 | 0.250 | 0.025 | 96" Disk |
| 25010 | 2/0-2 | 0.750 | 0.375 | 0.030 | 96" Disk |
| 25011 | 4/0-1 | 1.000 | 0.500 | 0.035 | 96" Disk |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
+ 24999-B12 contains 3 ea. 24005, 24006, 24008, 24009
UL File E158587

TYPE Thin Wall

Features

- 2:1 shrink ratio
- UL Recognized and CSA Certified
- Rated for 600 volts

Benefits

- Provides a wide range of coverage when used on connectors and cable
- Assures product reliability for insulating and protecting terminations and splices
- Ensures reliability



| Catalog Number | Wire Range | Exp. Id. | Rec. Id. | Recovered Wall Thickness | Cut Length |
|----------------|------------|----------|----------|--------------------------|------------|
| 26001 | 26-34 | 0.046 | 0.023 | 0.016 | 1000' |
| 26002 | 24-30 | 0.063 | 0.031 | 0.017 | 1000' |
| 26003 | 22-28 | 0.093 | 0.046 | 0.020 | 500' |
| 26004 | 20-26 | 0.125 | 0.062 | 0.020 | 500' |
| 26005 | 18-22 | 0.187 | 0.093 | 0.020 | 200' |
| 26006 | 14-16 | 0.250 | 0.125 | 0.025 | 200' |
| 26007 | 10-12 | 0.312 | 0.156 | 0.025 | 500' |
| 26008 | 6-8 | 0.375 | 0.187 | 0.025 | 200' |
| 26009 | 4-6 | 0.500 | 0.250 | 0.025 | 200' |
| 26010 | 2/0-2 | 0.750 | 0.375 | 0.030 | 200' |
| 26011 | 4/0-1 | 1.000 | 0.500 | 0.035 | 200' |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

TYPE
**Electric
Heat Gun**

Features

- Two temperature settings 750F and 1100F
- Three way switch OFF/HI/LO
- Built-in fold down stand
- 1200 Watt 120 V AC
- Heat deflector
- Impact resistant
- Six foot cord

Benefits

- Provides versatility in applying recommended heat, deliverable in seconds
- Aids in producing proper air flow from heat gun
- Provides hands free operation
- Provides high output of air and heat
- Allows for concentration of heat for rapid heat shrink process
- Provides extra durability in harsh environments
- Provides operator convenience



| Catalog Number | Description |
|----------------|--|
| 27001 | Heat Gun, 11 Disks Thin Wall Heat Shrink varying sizes, 94145 Crimp Tool |
| 94502 | Electric Heat Gun 120v |
| 94504 | Replacement Adaptor for 94502 |

| | | | | | |
|---|---|--|---|--|--|
| TACCI  436 | BCTI  437 | BCTI  438 | BCTI  439 | IDTB-6-LIO  440 | ILCB-12-LIO  441 |
| BCTR  442-445 | BCTR  446-448 | BCTR  449 | BCTR  450 | BCTR  451 | IVTB  452 |
| HDTI  453 | HDTI  454 | IDT-6  455 | MHCT  456 | MHCT  457 | HRTI  458 |
| HRTI  459 | IDT-6H  460 | ILC-12H-N  461 | ILC-15H  462 | HRCT  463 | HRCT  464 |
| HRCT  465 | HPI  466 | HPI  467 | HPI ACCESSORIES  468 | IVTB TOOL SYSTEM ACCESSORIES  469-470 | TOOL ACCESSORIES  471 |
| DIE KIT  472 | COMPRESSION DIES AND ADAPTORS  473-475 | MT-25  476 | ND-58  477 | ND-60  478 | 94285  479 |
| ILC-10-N  480 | ILST-22K  481 | ILST-MP  481 | 94130, 94145  482 | WS-1  482 | WS-2, WS-3  483 |
| THT-SC-CC  484 | CTRI  485 | CTR  486 | MECHANICAL TOOLS  487 | 94502  488 | COMPRESSION INDEX 489-496 |

TYPE
TACCI

Features

- TaskMasterPRO five year tool warranty
- Measures force at point of crimp
- Fits directly into most W-Die taking tool jaws
- Assembled with cushioned gauge cover
- Sturdy molded carrying case
- Holds pressure reading
- Patent pending

Benefits

- Ensures confidence for durability & quality
- Shows actual force instead of calculation
- Ease of use and versatility
- Shock absorption to protect against damage
- Protection against damage and mis-calibration
- Confirms force, after releasing from tool

TPG-6T-I



Catalog Number

| | |
|-------------|-------------------------------------|
| TPG-6T-I | 6 Ton Pressure Gauge Kit |
| SILGR-100ML | Replacement Silicone Grease 3.4 oz. |

Specifications

| | |
|----------------------|-----------|
| Weight | 3.32 lbs. |
| Length | 7.8" |
| Height | 2.15" |
| Width | 2.87" |
| Measuring Capability | 6 tons |

Kit Includes:

- Pressure Gauge
- Molded Carrying Case
- Silicone Grease (3.4 oz.)
- Specific Control Certification

For Use On:

- TB-6WO500-I
- TB-6WBG500-I
- TB-6WD3500-I
- Most battery powered 6 ton pincher design W-Die taking tool jaws

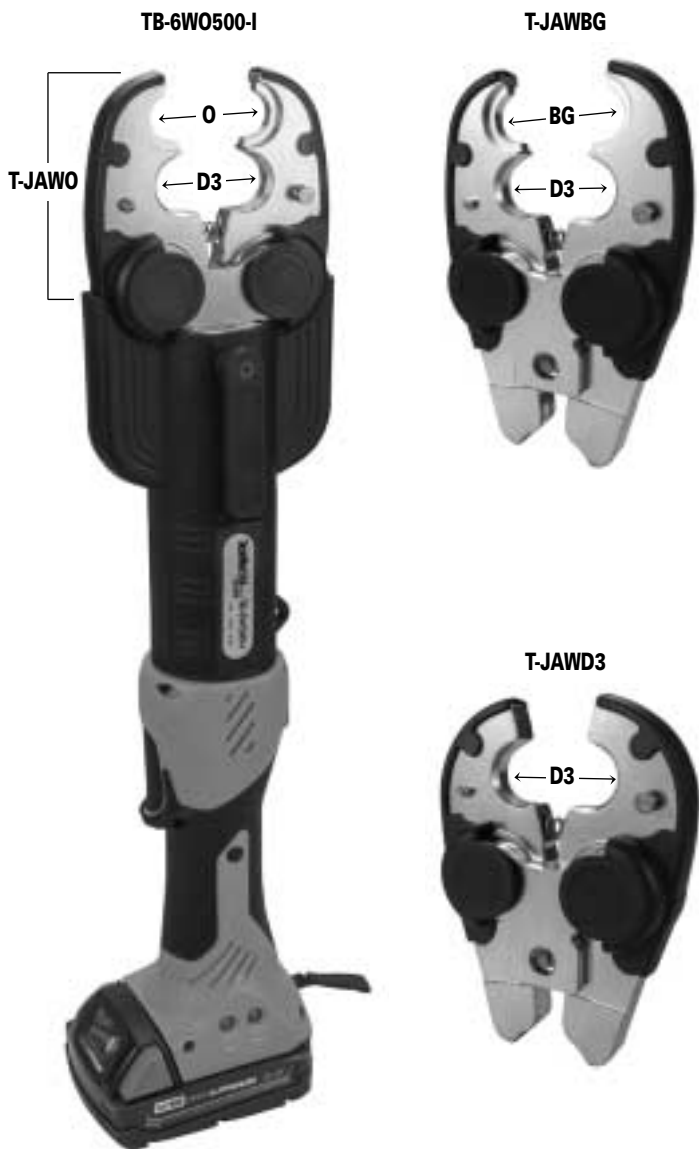
TYPE BCTI

Features

- TaskMasterPRO five year tool warranty
- 18 V, 5.0 Ah Milwaukee® Li-ion battery, 3 year warranty
- Accepts all "W" and "X" type die
- Brush protection on tool head
- AutoRetract when 6 tons achieved
- DataTrack mini USB-port for connectivity
- Interchangeable heads with O, BG, D3 or no die
- 350° tool head rotation
- Right or left hand ergonomic non-slip cushioned grip
- Multifunction LED indication lights
- LED battery charge indicator
- Tested up to 75K volts

Benefits

- Ensures confidence for durability & quality
- Longevity
- Industry standard
- Protection against accidental contact with energized conductors
- Confirms complete crimp
- Capture output data for performance & service
- Application versatility
- Maneuverability
- Reduces fatigue and increases grip security
- Identifies condition and readiness of tool
- Job site battery management
- Can be used on energized lines



| Catalog Number | Description |
|----------------|------------------------------------|
| TB-6WO500-I | Tool Kit w/O-Nose Jaw |
| TB-6WO500-IX | Tool Kit w/o batteries and charger |
| TB-6WBG500-I | Tool Kit w/BG-Nose Jaw |
| TB-6WBG500-IX | Tool Kit w/o batteries and charger |
| TB-6WD3500-I | Tool Kit w/D3 Jaw |
| TB-6WD3500-IX | Tool Kit w/o batteries and charger |
| T-JAWO | Jaw only w/O-Nose & D3 Nest |
| T-JAWBG | Jaw only w/BG-Nose & D3 Nest |
| T-JAWD3 | Jaw only w/D3 Nest |

Specifications

| | |
|----------------------------|----------|
| Force Developed | 6 tons |
| Weight with 5.0 Ah battery | 8.7 lbs. |
| Length | 20" |
| Height | 3.1" |
| Width | 5.2" |

Connector Range

| | |
|------------------|--|
| Lugs and Splices | 500 kcmil - #8 Cu 350 kcmil - #8 Al |
| H-Taps | 4/0 - 4/0 Al Max |

Battery Life Estimates

| Battery | Connector | Crimps |
|------------|------------------|--------|
| 18V-2.0 Ah | 4/0-4/0 Al H-Tap | 120 |
| 18V-5.0 Ah | 4/0-4/0 Al H-Tap | 300 |

Kits Includes:

- Tool with Crimp Jaw
- 2 Milwaukee® Batteries - 18V 5.0 Ah
- 1 Milwaukee® Battery Charger - 120V AC
- Shoulder Strap
- Molded Carrying Case
- Instruction Manual
- USB Cord
- Specific Control Certification

TYPE BCTI

Features

- TaskMasterPRO five year tool warranty
- 18 V, 5.0 Ah Milwaukee® Li-ion battery, 3 year warranty
- 360° tool head rotation
- Right or left hand ergonomic non-slip cushioned grip
- LED work light
- LED battery charge indicator
- Variable speed trigger
- Dieless crimping operation
- Flip top head

Benefits

- Ensures confidence for durability & quality
- Longevity
- Maneuverability
- Reduces fatigue and increases grip security
- Illuminates work space
- Job site battery management
- Easier positioning on connector
- Versatility, works on large range of wire sizes
- Easy connector loading and unloading

TB-6DF1000-P



| Catalog Number | |
|----------------------------|------------------------------------|
| TB-6DF1000-P | Tool Kit |
| TB-6DF1000-PX | Tool Kit w/o batteries and charger |
| Specifications | |
| Force Developed | 6 tons |
| Weight with 5.0 Ah battery | 14 lbs. |
| Length | 17" |
| Height | 13" |
| Width | 3.1" |
| Head opening | 1.55" |
| Crimp Range | Lugs & Splices |
| CU Conductor | 1000 kcmil - #8 sol/str |
| AL Conductor | 750 kcmil - #8 str |
| Battery Life Estimates | Number of Cycles |
| 18V DC - 5.0 Ah | 200 |

Kit Includes:

- Tool
- 2 Milwaukee® Batteries - 18V 5.0 Ah
- 1 Milwaukee® Battery Charger - 120V AC
- Shoulder Strap
- Molded Carrying Case
- Instruction Manual
- Specific Control Certification

TYPE BCTI

Features

- TaskMasterPRO five year tool warranty
- 18 V, 5.0 Ah Milwaukee® Li-ion battery, 3 year warranty
- Accepts "U" type dies
- 360° tool head rotation
- Right or left hand ergonomic non-slip cushioned grip
- LED work light
- LED battery charge indicator
- Variable speed trigger

Benefits

- Ensures confidence for durability & quality
- Longevity
- Flexibility in the field
- Maneuverability
- Reduces fatigue and increases grip security
- Illuminates work space
- Job site battery management
- Easier positioning on connector

TB-12U1000-P



| Catalog Number | |
|-------------------------------|------------------------------------|
| TB-12U1000-P | Tool Kit |
| TB-12U1000-PX | Tool Kit w/o batteries and charger |
| Specifications | |
| Force Developed | 12 tons |
| Weight with 5.0 Ah battery | 15.9 lbs. |
| Length | 16.4" |
| Height | 13" |
| Width | 3.1" |
| Jaw opening | 1.65" |
| Crimp Range | |
| CU Conductor | 1000 kcmil - #8 sol/str |
| AL Conductor | 750 kcmil - #8 str |
| Battery Life Estimates | |
| 18V DC - 5.0 Ah | 200 |
| Lugs & Splices | |
| Number of Cycles | |
| 200 | |

Kit Includes:

- Tool
- 2 Milwaukee® Batteries - 18V 5.0 Ah
- 1 Milwaukee® Battery Charger - 120V AC
- Shoulder Strap
- Molded Carrying Case
- Instruction Manual
- Specific Control Certification

For Use With

| Aluminum Connectors | Copper Connectors | Visual Identification |
|------------------------------------|--------------------------------|-----------------------|
| Series: ALNS, ALND | Series: CLN4, CLN9, CLND, CLWU | |
| ALNN thru 750kcmil | CLNF, CLNN, CLNS | |
| Series: IACL, 2IACL thru 750kcmil | CLNU, CLWD, CLW4, CLW9 | |
| * Series: 2ACL, 2ACN thru 750kcmil | CLWN, CLWS, CSND | |
| Series: ACL, ACN thru 750kcmil | CSNF, CSNS, CSLT | |
| | CSWD, CSWN, CSWS, CSW4, CSW9 | |
| Series: ASN, *AS | CT, CTL | |
| CPM Series | | |
| CPML Series | | |
| ACO-90 Series | | |
| ACM Series | | |
| ACO Series | | |
| AH 1-4 | | |
| * HT Series | | |
| | GGA Series | |
| | GGB Series | |
| | ELT Series | |
| | GGC Series | |
| | ULT Series | |
| | RLT Series | |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* Not UL Listed

TYPE IDTB-6-LIO

Features

- 18 Volt battery
- Lithium-Ion technology
- 70% more crimp cycles than Ni-Cad
- Battery powered
- Dieless crimping operation
- Ram automatically retracts when crimp cycle is complete
- Automatic retraction stop which retracts the ram just enough to get ready for the next cycle
- Flip top head
- Head rotates 360 degrees
- Pistol grip design
- Molded-in rubber grip
- Quick charge 120 volt charger
- Two 18 volt batteries included
- LED work light
- Diagnostics built in

Benefits

- Powerful, quick crimp, saves time
- Faster, longer life, quicker charge, lighter
- More crimps between charges
- Portable, can be used in any location
- Versatility, works on large range of wire sizes
- Confirms crimp is complete
- Saves time and energy
- Easy connector loading and unloading
- Adapts to variable cable directions
- Easy to handle and operate
- Provides non-slip comfortable grip
- Less down time
- Convenient, no waiting
- Lights up dark enclosures/cabinets
- Can retrieve tool statistics (ie: # of crimps)

Specifications

| | |
|------------------|--------------------------------|
| Force developed: | 6.2 Tons |
| Weight: | 10.8 lbs. |
| Overall Length: | 15-1/2" |
| Conductor Range: | 750kcmil-8 AL 750kcmil-6 CU |



For Use with

| Aluminum Connectors | Copper Connectors |
|---------------------------------|------------------------------|
| ACL, ACN Series thru 750kcmil | CLN4, CLN9, CLND, CSLT, CLWU |
| 2ACL, 2ACN Series thru 750kcmil | CLNF, CLNN, CLNS, |
| AS Series thru 750kcmil | CLNU, CLW4, CLW9, |
| IACL Series thru 500kcmil | CLWD, CLWF, CLWN, |
| 2IACL Series thru 500kcmil | CLWS, CSN4, CSN9, |
| Series: ALNS, ALND, ASN, | CSND, CSNF, CSNN, |
| ALNN thru 750kcmil | CSNS, CSW4, CSW9, |
| | CSWD, CSWF, CSWN, |
| | CSWS thru 750kcmil |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Includes:

- 2 Batteries
- 1 Battery Charger
- Durable Plastic Carrying Case
- Instruction Manual

TYPE
ILCB-12-LIO

Features

- 18 Volt battery
- Lithium-Ion technology
- 70% more crimp cycles than Ni-Cad
- Battery powered
- Accepts IlSCO standard "U" dies
- Ram automatically retracts when crimp cycle is complete
- Automatic retraction stop which retracts the ram just enough to get ready for the next cycle
- Head rotates 360 degrees
- Pistol grip design
- Molded-in rubber grip
- Quick charge 120 volt charger
- Two 18 volt batteries included
- LED work light
- Diagnostics built in

Benefits

- Powerful, quick crimp, saves time
- Faster, longer life, quicker charge, lighter
- More crimps between charges
- Portable, can be used in any location
- Precision crimps
- Confirms crimp is complete
- Saves time and energy
- Adapts to variable cable directions
- Easy to handle and operate
- Provides non-slip comfortable grip
- Less down time
- Rotate batteries, keep working on job
- Lights up dark enclosures/cabinets
- Can retrieve tool statistics (ie: # of crimps)

Specifications

Force developed: 12 Tons
 Weight: 14.9 lbs.
 Overall length: 16-3/4"
 Jaw Opening: 1.65"
 Conductor Range: 750kcmil-8 AL
 1000kcmil-8 CU



For Use With

| Aluminum Connectors | Copper Connectors | Visual Identification |
|-----------------------------------|--------------------------------|-----------------------|
| Series: ALNS, ALND | Series: CLN4, CLN9, CLND, CLWU | |
| ALNN thru 750kcmil | CLNF, CLNN, CLNS | |
| Series: IACL, 2IACL thru 750kcmil | CLNU, CLWD, CLW4, CLW9 | |
| Series: 2ACL, 2ACN thru 750kcmil | CLWN, CLWS, CSND | |
| Series: ACL, ACN thru 750kcmil | CSNF, CSNS | |
| | CSWD, CSWN, CSWS, CSW4, CSW9 | |
| Series: ASN, AS | | |
| CPM Series | | |
| CPML Series | | |
| ACO-90 Series | | |
| ACM Series | | |
| ACO Series | | |
| AH 1-4 | | |
| HT Series | | |
| | GGA Series | |
| | GGB Series | |
| | ELT Series | |
| | GGC Series | |
| | ULT Series | |
| | RLT Series | |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Includes:

- 2 Batteries
- 1 Battery Charger
- Durable Plastic Carrying Case
- Instruction Manual

TYPE
BCTR

Features

- TaskMasterPRO five year tool warranty
- 18 V, 5.0 Ah Milwaukee® Li-ion battery, 3 year warranty
- 360° tool head rotation
- Right or left hand ergonomic non-slip cushioned grip
- LED work light
- LED battery charge indicator
- Variable speed trigger
- Latch head design
- Heavy duty blades

Benefits

- Ensures confidence for durability & quality
- Longevity
- Maneuverability
- Reduces fatigue and increases grip security
- Illuminates work space
- Job site battery management
- Easier positioning of cut
- Secures conductor in place
- Able to cut through hard steel

TB-CUT25-P



| Catalog Number | |
|--------------------------------|---|
| TB-CUT25-P | Tool Kit |
| TB-CUT25-PX | Tool Kit w/o batteries and charger |
| BLDF-25 | Replacement Fixed Blade |
| BLDM-25 | Replacement Moving Blade |
| Specifications | |
| Force Developed | 6.7 tons |
| Weight with 5.0 Ah battery | 9.25 lbs. |
| Length | 14" |
| Height | 13" |
| Width | 3" |
| Cutting Diameter | .98" |
| Cut Capacity (CU or AL) | |
| ACSR | .98" |
| Guy Wire | 5/8" |
| Guy Wire (EHS) | 1/2" |
| Ground Rod | 5/8" |
| Rebar | #4 (1/2") Grade 40 For Grade 60, Consult Factory |
| Battery Life Estimates | |
| 18V DC – 5.0 Ah | 340 Cycles |

Kit Includes:

- Tool
- 2 Milwaukee® Batteries - 18V 5.0 Ah
- 1 Milwaukee® Battery Charger – 120V AC
- Shoulder Strap
- Molded Carrying Case
- Instruction Manual
- Specific Control Certification

TYPE
BCTR

Features

- TaskMasterPRO five year tool warranty
- 18 V, 5 Ah Milwaukee® Li-ion battery, 3 year warranty
- 350° tool head rotation
- Right or left hand ergonomic non-slip cushioned grip
- LED work light
- LED battery charge indicator
- Variable speed trigger
- Latch head design

Benefits

- Ensures confidence for durability & quality
- Longevity
- Easy maneuvering at any angle
- Reduces fatigue and increases grip security
- Illuminates work space
- Job site battery management
- Easier positioning of cut
- Secures conductor in place

TB-CUT45-P



| Catalog Number | |
|-------------------------------|------------------------------------|
| TB-CUT45-P | Tool Kit |
| TB-CUT45-PX | Tool Kit w/o batteries and charger |
| BLDF-45 | Replacement Fixed Blade |
| BLDM-45 | Replacement Moving Blade |
| Specifications | |
| Force Developed | 6.7 tons |
| Weight with 5.0 Ah battery | 12 lbs. |
| Length | 17" |
| Height | 13" |
| Width | 3" |
| Cutting Diameter | 1.77" |
| Cut Capacity | |
| ACSR | 1590 |
| Guy Wire | 5/8" |
| Guy Wire (EHS) | 1/2" |
| Ground Rod | 5/8" |
| Rebar | #4 (1/2") Grade 60 |
| Battery Life Estimates | |
| 18V DC – 5.0 Ah | 320 Cycles |

Kit Includes:

- Tool
- 2 Milwaukee® Batteries - 18V 5.0 Ah
- 1 Milwaukee® Battery Charger – 120V AC
- Shoulder Strap
- Molded Carrying Case
- Instruction Manual
- Specific Control Certification

TYPE
BCTR

Features

- TaskMasterPRO five year tool warranty
- 18 V, 5.0 Ah Milwaukee® Li-ion battery, 3 year warranty
- 350° tool head rotation
- Right or left hand ergonomic non-slip cushioned grip
- LED work light
- LED battery charge indicator
- Variable speed trigger
- Latch head design

Benefits

- Ensures confidence for durability & quality
- Longevity
- Maneuverability
- Reduces fatigue and increases grip security
- Illuminates work space
- Job site battery management
- Easier positioning of cut
- Secures conductor in place

TB-CUT50CU-P



| Catalog Number | |
|-------------------------------|------------------------------------|
| TB-CUT50CU-P | Tool Kit |
| TB-CUT50CU-PX | Tool Kit w/o batteries and charger |
| BLDF-50 | Replacement Fixed Blade |
| BLDM-50 | Replacement Moving Blade |
| Specifications | |
| Force Developed | 6.7 tons |
| Weight with 5.0 Ah battery | 12 lbs. |
| Length | 17.5" |
| Height | 13" |
| Width | 3" |
| Cutting Diameter | 1.96" |
| Cutting Capacity | |
| CU Conductor | 1.9" |
| AL Conductor | 1.9" |
| Lead Sheath | 1.9" |
| Battery Life Estimates | |
| 18V DC - 5.0 Ah | 300 Cuts |

Kit Includes:

- Tool
- 2 Milwaukee® Batteries - 18V 5.0 Ah
- 1 Milwaukee® Battery Charger - 120V AC
- Shoulder Strap
- Molded Carrying Case
- Instruction Manual
- Specific Control Certification

DO NOT CUT:

ACSR Cable, Steel, Ground Rod, Rebar or Guy Wire

Battery Powered Pistol Grip Cutting Tool

TYPE BCTR

Features

- TaskMasterPRO five year tool warranty
- 18 V, 5 Ah Milwaukee® Li-ion battery, 3 year warranty
- 350° tool head rotation
- Right or left hand ergonomic non-slip cushioned grip
- LED work light
- LED battery charge indicator
- Variable speed trigger
- Latch head design

Benefits

- Ensures confidence for durability & quality
- Longevity
- Easy maneuvering at any angle
- Reduces fatigue and increases grip security
- Illuminates work space
- Job site battery management
- Easier positioning of the cut
- Secures conductor in place

TB-CUT85CU-P



| Catalog Number | |
|----------------------------|------------------------------------|
| TB-CUT85CU-P | Tool Kit |
| TB-CUT85CU-PX | Tool Kit w/o batteries and charger |
| BLDF-85 | Replacement Fixed Blade |
| BLDM-85 | Replacement Moving Blade |
| Specifications | |
| Force Developed | 7.8 tons |
| Weight with 5.0 Ah battery | 14.8 lbs. |
| Length | 20.5" |
| Height | 13" |
| Width | 3" |
| Cutting Diameter | 3.3" |
| Cutting Capacity | |
| CU Conductor | 3" |
| AL Conductor | 3" |
| Lead Sheath | 3" |
| Battery Life Estimates | |
| 18V DC - 5.0 Ah | 280 Cycles |

Kit Includes:

- Tool
- 2 Milwaukee® Batteries - 18V 5.0 Ah
- 1 Milwaukee® Battery Charger - 120V AC
- Shoulder Strap
- Molded Carrying Case
- Instruction Manual
- Specific Control Certification

DO NOT CUT:

ACSR Cable, Steel, Ground Rod, Rebar or Guy Wire

TYPE
BCTR

Features

- TaskMasterPRO five year tool warranty
- 18 V, 5 Ah Milwaukee® Li-ion battery, 3 year warranty
- 360° tool head rotation
- Right or left hand ergonomic non-slip cushioned grip
- LED work light
- LED battery charge indicator
- Variable speed trigger
- Scissor head design

Benefits

- Ensures confidence for durability & quality
- Longevity
- Easy maneuvering at any angle
- Reduces fatigue and increases grip security
- Illuminates work space
- Job site battery management
- Easier positioning of the cut
- One handed operation

TB-CUT65CU-PS



| Catalog Number | |
|-------------------------------|------------------------------------|
| TB-CUT65CU-PS | Tool Kit |
| TB-CUT65CU-PSX | Tool Kit w/o batteries and charger |
| BLDS-65 | Replacement Blade |
| BLDG-65 | Replacement Blade Guide |
| Specifications | |
| Force Developed | 4.9 tons |
| Weight with 5.0 Ah battery | 16.75 lbs. |
| Length | 19.75" |
| Height | 13" |
| Width | 3.4" |
| Cutting Diameter | 2.5" |
| Cutting Capacity | |
| CU Conductor | 1000 kcmil |
| AL Conductor | 2.5" |
| Lead Sheath | 2.5" |
| Battery Life Estimates | |
| 18V DC - 5.0 Ah | 280 Cycles |

Kit Includes:

- Tool
- 2 Milwaukee® Batteries - 18V 5.0 Ah
- 1 Milwaukee® Battery Charger - 120V AC
- Shoulder Strap
- Molded Carrying Case
- Instruction Manual
- Specific Control Certification

DO NOT CUT:

ACSR Cable, Steel, Ground Rod, Rebar or Guy Wire

TYPE
BCTR

Features

- TaskMasterPRO five year tool warranty
- 18 V, 5 Ah Milwaukee® Li-ion battery, 3 year warranty
- 360° tool head rotation
- Right or left hand ergonomic non-slip cushioned grip
- LED work light
- LED battery charge indicator
- Variable speed trigger
- Scissor head design

Benefits

- Ensures confidence for durability & quality
- Longevity
- Easy maneuvering at any angle
- Reduces fatigue and increases grip security
- Illuminates work space
- Job site battery management
- Easier positioning of the cut
- One handed operation

TB-CUT95CU-PS



| Catalog Number | |
|-------------------------------|------------------------------------|
| TB-CUT95CU-PS | Tool Kit |
| TB-CUT95CU-PSX | Tool Kit w/o batteries and charger |
| BLDS-95 | Replacement Blade |
| BLDG-95 | Replacement Blade Guide |
| Specifications | |
| Force Developed | 7.3 tons |
| Weight with 5.0 Ah battery | 21.6 lbs. |
| Length | 19.76" |
| Height | 13" |
| Width | 3.5" |
| Cutting Diameter | 3.75" |
| Cutting Capacity | |
| CU Conductor | 1000 kcmil |
| AL Conductor | 3.5" |
| Lead Sheath | 2.5" |
| Battery Life Estimates | |
| 18V DC - 5.0 Ah | 240 Cycles |

Kit Includes:

- Tool
- 2 Milwaukee® Batteries - 18V 5.0 Ah
- 1 Milwaukee® Battery Charger - 120V AC
- Shoulder Strap
- Molded Carrying Case
- Instruction Manual
- Specific Control Certification

DO NOT CUT:

ACSR Cable, Steel, Ground Rod, Rebar or Guy Wire

TYPE
BCTR

Features

- TaskMasterPRO five year tool warranty
- 18 V, 5 Ah Milwaukee® Li-ion battery, 3 year warranty
- 360° tool head rotation
- Right or left hand ergonomic non-slip cushioned grip
- LED work light
- LED battery charge indicator
- Variable speed trigger
- Scissor head design

Benefits

- Ensures confidence for durability & quality
- Longevity
- Easy maneuvering at any angle
- Reduces fatigue and increases grip security
- Illuminates work space
- Job site battery management
- Easier positioning of the cut
- One handed operation

TB-CUT120CU-PS



| Catalog Number | |
|-------------------------------|------------------------------------|
| TB-CUT120CU-PS | Tool Kit |
| TB-CUT120CU-PSX | Tool Kit w/o batteries and charger |
| BLDF-120 | Replacement Fixed Blade |
| BLDM-120 | Replacement Moving Blade |
| Specifications | |
| Force Developed | 6.7 tons |
| Weight with 5.0 Ah battery | 21.5 lbs. |
| Length | 25.6" |
| Height | 13" |
| Width | 3.75" |
| Cutting Diameter | 4.75" |
| Cutting Capacity | |
| CU Conductor | 1000 kcmil |
| AL Conductor | 4.5" |
| Battery Life Estimates | |
| 18V DC - 5.0 Ah | 220 Cuts |

Kit Includes:

- Tool
- 2 Milwaukee® Batteries - 18V 5.0 Ah
- 1 Milwaukee® Battery Charger - 120V AC
- Shoulder Strap
- Molded Carrying Case
- Instruction Manual
- Specific Control Certification

DO NOT CUT:

ACSR Cable, Steel, Ground Rod, Rebar or Guy Wire

TYPE
BCTR

Features

- TaskMasterPRO five year tool warranty
- 18 V, 2.0 Ah Milwaukee® Li-ion battery, 3 year warranty
- 360° tool head rotation
- DataTrack mini USB-port for connectivity
- Right or left hand ergonomic non-slip cushioned grip
- Multifunction LED indication lights
- LED battery charge indicator
- Latch head design
- Heavy duty blades

Benefits

- Ensures confidence for durability & quality
- Longevity
- Maneuverability
- Capture output data for performance & service
- Reduces fatigue and increases grip security
- Identifies condition and readiness of tool
- Job site battery management
- Secures conductor in place
- Able to cut through hard steel

TB-CUT25-I



| Catalog Number | |
|--------------------------------|---|
| TB-CUT25-I | Tool Kit |
| TB-CUT25-IX | Tool Kit w/o batteries and charger |
| BLDF-25 | Replacement Fixed Blade |
| BOLD-25 | Replacement Moving Blade |
| Specifications | |
| Force Developed | 5.8 tons |
| Weight with 2.0 Ah battery | 8.1 lbs. |
| Length | 15" |
| Height | 2.5" |
| Width | 3" |
| Cutting Diameter | .98" |
| Cut Capacity (CU or AL) | |
| ACSR | 556 kcmil |
| Guy Wire | 1/2" |
| Guy Wire (EHS) | 1/2" |
| Ground Rod | 1/2" |
| Rebar | #4 (1/2") Grade 40 For Grade 60, Consult Factory |
| Battery Life Estimates | |
| 18V DC – 2.0 Ah | 150 Cycles |
| 18V DC – 5.0 Ah (Optional) | 340 Cycles |

Kit Includes:

- Tool
- 2 Milwaukee® Batteries - 18V 2.0 Ah
- 1 Milwaukee® Battery Charger – 120V AC
- Shoulder Strap
- Molded Carrying Case
- Instruction Manual
- USB Cord
- Specific Control Certification

TYPE
BCTR

Features

- TaskMasterPRO five year tool warranty
- 18 V, 2.0 Ah Milwaukee® Li-ion battery, 3 year warranty
- SmartCut detection w/Auto Retract
- 360° tool head rotation
- DataTrack mini USB-port for connectivity
- Right or left hand ergonomic non-slip cushioned grip
- Multifunction LED indication lights
- LED battery charge indicator
- Scissor head design

Benefits

- Ensures confidence for durability & quality
- Longevity
- Less stress on motor and hydraulics
- Maneuverability
- Capture output data for performance & service
- Reduces fatigue and increases grip security
- Identifies condition and readiness of tool
- Job site battery management
- One handed operation

TB-CUT40CU-IS



| Catalog Number | |
|-------------------------------|--------------------------------------|
| TB-CUT40CU-IS | Tool Kit |
| TB-CUT40CU-ISX | Tool Kit w/o batteries and charger |
| BLDS-40 | Replacement Blade Set |
| Specifications | |
| Force Developed | 3.3 tons |
| Weight with 2.0 Ah battery | 6.2 lbs. |
| Length | 17.32" |
| Height | 3.1" |
| Width | 4.8" |
| Cutting Diameter | 1.5" |
| Cutting Capacity | |
| CU Conductor | 750 kcmil max |
| AL Conductor | 1000 kcmil max |
| Battery Life Estimates | |
| 18V DC - 2.0 Ah | 750 kcmil CU Wire 150 Cuts |
| 18V DC - 5.0 Ah | 340 Cuts |

Kit Includes:

- Tool
- 2 Milwaukee® Batteries - 18V 2.0 Ah
- 1 Milwaukee® Battery Charger – 120V AC
- Shoulder Strap
- Molded Carrying Case
- Instruction Manual
- USB Cord
- Specific Control Certification

DO NOT CUT:

ACSR Cable, Steel, Ground Rod, Rebar or Guy Wire

TYPE
BCTR

Features

- TaskMasterPRO five year tool warranty
- Scissor head design for cutting ACSR and Guy Wire
- 3 year warranty, 18V, 2.0 Ah Milwaukee® Li-ion battery
- 350° tool head rotation
- Heavy duty blade inserts
- DataTrack mini USB-port for connectivity
- Right or left hand ergonomic non-slip cushioned grip
- Multifunction LED indication lights
- LED battery charge indicator

Benefits

- Ensures confidence for durability & quality
- One handed operation, no latch required
- Longevity
- Easy maneuvering at any angle
- Easy field replacement
- Capture output data for performance & service
- Reduces fatigue and increases grip security
- Identifies condition and readiness of tool
- Allows for job site battery management

TB-CUT26ACSR-IS



| Catalog Number | |
|-------------------------------|------------------------------------|
| TB-CUT26ACSR-IS | Tool Kit |
| TB-CUT26ACSR-ISX | Tool Kit w/o batteries and charger |
| BLDS-26 | Replacement Blade Assembly |
| BLDI-26 | Replacement Blade Insert |
| Specifications | |
| Force Developed | 5.8 tons |
| Weight with 2.0 Ah battery | 9.2 lbs. |
| Length | 18" |
| Height | 3.23" |
| Width | 4.96" |
| Cutting Diameter | 1.00" |
| Cut Capacity | |
| ACSR | 556 kcmil max* |
| Guy Wire | 3/8" |
| Guy Wire (EHS) | 3/8" max |
| Battery Life Estimates | |
| 18V DC-2.0 Ah | 80 Cuts (on 556-ACSR) |

* Will not cut 477 Hen

Kit Includes:

- Tool
- 2 Milwaukee® Batteries - 18V 2.0 Ah
- 1 Milwaukee® Battery Charger - 120V AC
- Shoulder Strap
- Molded Carrying Case
- Instruction Manual
- USB Cord
- Specific Control Certification

Not recommended for: CU, AL
Do not use on: Ground Rod, Rebar, 477 Hen

TaskMaster® 6-Ton, 4-Indent Universal Dieless Crimper, Cable Cutter and Knock-out Punch Tool

TYPE IVTB

Features

- Innovative battery powered, hydraulic tool with three interchangeable heads for three distinct operations
 - Dieless crimper
 - Cable cutter with copper/aluminum wire blades
 - Knock-out punch
- In line tool body
- 360° tool head rotation
- 18 volt advanced lithium-ion battery
- Over molded rubber tool grip
- High impact nylon tool body
- Automatic ram retraction
- Large trigger
- LED diagnostics
- LED work light
- Impact resistant molded carrying case

Benefits

- Eliminate need for multiple tools to achieve a variety of tasks
 - Works with large range of connectors
 - Durable high strength cutting blades
 - Precision knockouts provide clean, quick holes
- Allows access to tighter spaces
- Versatile and easy tool alignment
- Prolonged use without recharging
- Provide comfortable secure grip
- Rugged tool construction for longer life
- Tool automatically resets for continuous use
- Easy to use while wearing gloves
- Indicates condition and readiness of tool
- Illuminates work area
- Stores and protects tool and accessories



| Catalog Number | Description |
|----------------------|--|
| IVTB-6-360 | 6-ton Hydraulic Tool Body 6-ton Crimp Head (2) 18v 2.0Ah LI-ION Batteries and Charger Carrying Case and Instruction Manual |
| IVTB-6-ALIO360 | 6-ton Hydraulic Tool Body 6-ton Crimp Head 6-ton Cutting Head for copper/aluminum building wire (2) 18v 2.0Ah LI-ION Batteries and Charger Carrying Case and Instruction Manual |
| IVTB-6-ALIO-P360 | 6-ton Hydraulic Tool Body 6-ton Crimp Head 6-ton Cutting Head for copper/aluminum building wire 6-ton Knock-out Punch Head* (2) 18v 2.0Ah LI-ION Batteries and Charger Carrying Case and Instruction Manual |
| IVTB-6-ALIO-CUT-P360 | 6-ton Hydraulic Tool Body 6-ton Cutting Head for copper/aluminum building wire 6-ton Knock-out Punch Head* (2) 18v 2.0Ah LI-ION Batteries and Charger Carrying Case and Instruction Manual |
| IVTB-6-ALIO-TOOL | 6-ton Hydraulic Tool Body Instruction Manual |
| IVTB-6-ALIO-PWR | 6-ton Hydraulic Tool Body (2) 18v 2.0Ah LI-ION Batteries and Charger Carrying Case and Instruction Manual |

* Knock-out Punch and Cut Dies Sold Separately

UL Listed and CSA Certified For Use With

| Aluminum Connectors 500kcmil - #8 AWG | Copper Connectors 750kcmil - #8 AWG |
|---|---|
| ALNS, ALND, ASNS, ASND, ALNB, ASNB, ALNN, ASNN, ASN | CLN4, CLN9, CLND, CLNDS, CLWDS, CLWU, CLNF, CLNN, CLNS, CLNU CLW4, CLW9, CLWD, CLWF, CLWN, CLWS, CSLT, CSN4, CSN9, CSND, CSNF, CSNN, CSNS, CSW4, CSW9, CSWD, CSWF, CSWN, CSWS, CT, CTL |

TYPE
HDTI

Features

- TaskMasterPRO five year tool warranty
- 2 Stage pump piston
- 360° tool head rotation
- Lightweight design
- Comfort grips
- Dieless crimping operation
- Flip top head

Benefits

- Ensures confidence for durability & quality
- Rapid advance
- Maneuverability
- Portability
- Shock absorption
- Versatility, works on large range of wire sizes
- Easy connector loading and unloading

TM-6DF1000



| Catalog Number | |
|-----------------------|---------------------------|
| TM-6DF1000 | |
| Specifications | |
| Force Developed | 6 tons |
| Weight | 13.3 lbs. |
| Length | 23.7" |
| Head Opening | 1.55" |
| Crimp Range | Lugs & Splices |
| CU Conductor | 1000 kcmil - #8 sol/str |
| AL Conductor | 750 kcmil - #8 str |

Includes:

- Molded Carrying Case
- Instruction Manual
- Specific Control Certification

TYPE HDTI

Features

- TaskMasterPRO five year tool warranty
- 2 Stage pump piston
- 360° tool head rotation
- Lightweight design
- Accepts U-type dies
- Comfort grips

Benefits

- Ensures confidence for durability & quality
- Rapid advance
- Maneuverability
- Portability
- Flexibility in the field
- Shock absorption



TM-12U1000

| | |
|-----------------------|---------------------------|
| Catalog Number | |
| TM-12U1000 | |
| Specifications | |
| Force Developed | 12 tons |
| Weight | 14.5 lbs. |
| Length | 23" |
| Jaw Opening | 1.65" |
| Crimp Range | Lugs & Splices |
| CU Conductor | 1000 kcmil - #8 sol/str |
| AL Conductor | 750 kcmil - #8 str |

Includes:

- Molded Carrying Case
- Instruction Manual
- Specific Control Certification

For Use With

| Aluminum Connectors | Copper Connectors | Visual Identification |
|---|---|-----------------------|
| Series: ALNS, ALND ALNN thru 750kcmil | Series: CLN4, CLN9, CLND, CLWU CLNF, CLNN, CLNS CLNU, CLWD, CLW4, CLW9 | |
| Series: IACL, 2IACL thru 750kcmil * Series: 2ACL, 2ACN thru 750kcmil | Series: ACL, ACN thru 750kcmil | |
| | CSNF, CSNS, CSLT CSWD, CSWN, CSWS, CSW4, CSW9 | |
| | | |
| | Series: ASN, *AS | |
| CPM Series CPML Series ACO-90 Series ACM Series ACO Series | | |
| AH 1-4 * HT Series | | |
| | GGA Series GGB Series | |
| | ELT Series GGC Series ULT Series | |
| | RLT Series | |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* Not UL Listed

TYPE
IDT-6

Features

- Dieless operation
- Automatic two speed pump
- Ram automatically retracts when crimp cycle is complete
- Head rotates 360 degrees
- Flip top head
- Lightweight - 9.0 lbs.

Benefits

- No dies to lose or replace, one tool does it all
- Rapid advance, reduces cycle time
- Confirms crimp was completed
- Convenience when working in tight areas
- Easy connector loading and unloading
- Easy to hold, less tiring for numerous crimps

Specifications

Force developed: 6.2 Tons
Weight: 9.0 lbs.
Overall Length: 21-1/16"
Conductor Range: 750kcmil-8 AL
750kcmil-6 CU



| For Use with | |
|---------------------------------|------------------------------|
| Aluminum Connectors | Copper Connectors |
| ACL, ACN Series thru 750kcmil | CLN4, CLN9, CLND, CSLT, CLWU |
| 2ACL, 2ACN Series thru 750kcmil | CLNF, CLNN, CLNS, |
| AS Series thru 750kcmil | CLNU, CLW4, CLW9, |
| IACL Series thru 500kcmil | CLWD, CLWF, CLWN, |
| 2IACL Series thru 500kcmil | CLWS, CSN4, CSN9, |
| Series: ALNS, ALND, ASN, | CSND, CSNF, CSNN, |
| ALNN thru 750kcmil | CSNS, CSW4, CSW9, |
| | CSWD, CSWF, CSWN, |
| | CSWS thru 750kcmil |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Includes:

Steel Carrying Case
Instruction Manual

TYPE MHCT

Features

- TaskMasterPRO five year tool warranty
- Latch head design
- 360° tool head rotation
- 2 stage pump piston
- Lightweight
- Manual hydraulic powered
- Heavy duty blades
- Comfort grips

Benefits

- Ensures confidence for durability & quality
- Secures conductor in place
- Maneuverability
- Rapid advance
- Portability
- No power source required
- Able to cut through hard steel
- Shock absorption

TM-CUT25



| Catalog Number | |
|------------------|---|
| TM-CUT25 | |
| BLDF-25 | Replacement Fixed Blade |
| BLDM-25 | Replacement Moving Blade |
| Specifications | |
| Force Developed | 6.7 tons |
| Weight | 6.4 lbs. |
| Length | 15.5" |
| Cutting Capacity | |
| Diameter | .98" |
| CU Conductor | .98" |
| AL Conductor | .98" |
| ACSR | 556 kcmil |
| Guy Wire | 5/8" |
| Guy Wire (EHS) | 1/2" |
| Ground Rod | 5/8" |
| Rebar | #4 (1/2") Grade 40 For Grade 60, Consult Factory |

TM-CUT45



| Catalog Number | |
|------------------|--------------------------|
| TM-CUT45 | |
| BLDF-45 | Replacement Fixed Blade |
| BLDM-45 | Replacement Moving Blade |
| Specifications | |
| Force Developed | 6.7 tons |
| Weight | 12.5 lbs. |
| Length | 23.6" |
| Cutting Capacity | |
| Diameter | 1.77" |
| CU Conductor | 1.5" |
| AL Conductor | 1.7" |
| ACSR | 1590 |
| Guy Wire | 5/8" |
| Guy Wire (EHS) | 1/2" |
| Ground Rod | 5/8" |
| Rebar | #4 (1/2") Grade 60 |

Includes:

- Molded Carrying Case
- Instruction Manual
- Specific Control Certification

TYPE MHCT

Features

- TaskMasterPRO five year tool warranty
- Latch head design
- 360° tool head rotation
- 2 stage pump piston
- Lightweight
- Manual hydraulic powered
- Comfort grips

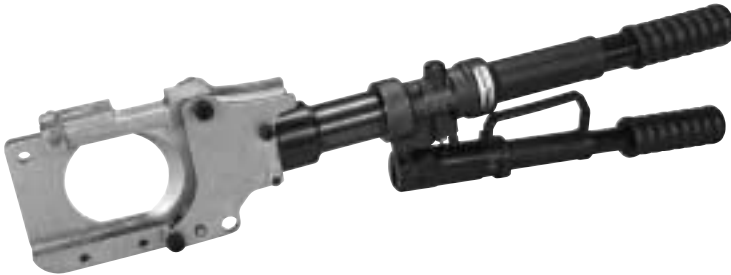
Benefits

- Ensures confidence for durability & quality
- Secures conductor in place
- Maneuverability
- Rapid advance
- Portability
- No power source required
- Shock absorption

TM-CUT50CU



TM-CUT85CU



| Catalog Number | |
|------------------|--------------------------|
| TM-CUT50CU | |
| BLDF-50 | Replacement Fixed Blade |
| BLDM-50 | Replacement Moving Blade |
| Specifications | |
| Force Developed | 6.7 tons |
| Weight | 11.3 lbs. |
| Length | 24" |
| Cutting Capacity | |
| Diameter | 1.96" |
| CU Conductor | 1.9" |
| AL Conductor | 1.9" |

| Catalog Number | |
|------------------|--------------------------|
| TM-CUT85CU | |
| BLDF-85 | Replacement Fixed Blade |
| BLDM-85 | Replacement Moving Blade |
| Specifications | |
| Force Developed | 7.8 tons |
| Weight | 16.1 lbs. |
| Length | 27.4" |
| Cutting Capacity | |
| Diameter | 3.34" |
| CU Conductor | 3.3" |
| AL Conductor | 3.3" |

Includes:

- Molded Carrying Case
- Instruction Manual
- Specific Control Certification

DO NOT CUT:

ACSR Cable, Steel, Ground Rod, Rebar or Guy Wire

TYPE
HRTI

Features

- TaskMasterPRO five year tool warranty
- Remote hydraulic powered
- Operates with 10,000 p.s.i. pump
- Quick connect male attachment point
- Dieless crimping operation
- Flip top head

Benefits

- Ensures confidence for durability & quality
- Ease of use
- Industry standard
- Time saving leak free connection
- Versatility, works on large range of wire sizes
- Easy connector loading and unloading

TR-6DF1000



| Catalog Number | |
|-----------------|-------------------------|
| TR-6DF1000 | |
| Specifications | |
| Force Developed | 6 tons |
| Weight | 7.8 lbs. |
| Length | 12" |
| Head Opening | 1.55" |
| Crimp Range | Lugs & Splices |
| CU Conductor | 1000 kcmil - #8 sol/str |
| AL Conductor | 750 kcmil - #8 str |

Includes:

- Durable Carrying Bag
- Instruction Manual

TYPE HRTI

Features

- TaskMasterPRO five year tool warranty
- Remote hydraulic powered
- Operates with 10,000 p.s.i. pump
- Accepts U-type dies
- Quick connect male attachment point

Benefits

- Ensures confidence for durability & quality
- Ease of use
- Industry standard
- Flexibility in the field
- Time saving leak free connection

TR-12U1000



| Catalog Number | |
|-----------------|-------------------------|
| TR-12U1000 | |
| Specifications | |
| Force Developed | 14.6 tons |
| Weight | 9.7 lbs. |
| Length | 10.6" |
| Jaw Opening | 1.65" |
| Crimp Range | Lugs |
| CU Conductor | 1000 kcmil - #8 sol/str |
| AL Conductor | 750 kcmil - #8 str |

Includes:

- Molded Carrying Case
- Instruction Manual

For Use With

| Aluminum Connectors | Copper Connectors | Visual Identification |
|------------------------------------|--------------------------------|-----------------------|
| Series: ALNS, ALND | Series: CLN4, CLN9, CLND, CLWU | |
| ALNN thru 750kcmil | CLNF, CLNN, CLNS | |
| Series: IACL, 2IACL thru 750kcmil | CLNU, CLWD, CLW4, CLW9 | |
| * Series: 2ACL, 2ACN thru 750kcmil | CLWN, CLWS, CSND | |
| Series: ACL, ACN thru 750kcmil | CSNF, CSNS, CSLT | |
| | CSWD, CSWN, CSWS, CSW4, CSW9 | |
| Series: ASN, *AS | CT, CTL | |
| CPM Series | | |
| CPML Series | | |
| ACO-90 Series | | |
| ACM Series | | |
| ACO Series | | |
| AH 1-4 | | |
| * HT Series | | |
| | GGA Series | |
| | GGB Series | |
| | ELT Series | |
| | GGC Series | |
| | ULT Series | |
| | RLT Series | |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* Not UL Listed

TYPE
IDT-6H

Features

- Dieless operation
- Flip top head
- Lightweight - 6.2 lbs
- Equipped with 3/8" male screw coupler

Benefits

- No dies to lose or replace, one tool does it all
- Easy connector loading and unloading
- Easy to hold, less tiring for numerous crimps
- For use with standard industry hoses

Specifications

Force developed: 6.2 Tons
 Operating pressure: 10,000 PSI
 Overall Length: 10-1/2"
 Weight: 6.2 lbs.
 Conductor Range: 750kcmil-8 AL
 750kcmil-6 CU



For Use with

| Aluminum Connectors | Copper Connectors |
|---------------------------------|------------------------------|
| ACL, ACN Series thru 750kcmil | CLN4, CLN9, CLND, CSLT, CLWU |
| 2ACL, 2ACN Series thru 750kcmil | CLNF, CLNN, CLNS, |
| AS Series thru 750kcmil | CLNU, CLW4, CLW9, |
| IACL Series thru 500kcmil | CLWD, CLWF, CLWN, |
| 2IACL Series thru 500kcmil | CLWS, CSN4, CSN9, |
| Series: ALNS, ALND, ASN, | CSND, CSNF, CSNN, |
| ALNN thru 750kcmil | CSNS, CSW4, CSW9, |
| | CSWD, CSWF, CSWN, |
| | CSWS thru 750kcmil |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Additional Requirements:

- Hose
- Pump

Includes:

Steel Carrying Case
 Instruction Manual

Remote Power Operated Compression Tool

TYPE ILC-12H-N

Features

- Head tested to 50,000 crimp cycles
- Accepts industry standard "U" dies
- Hot stick attachment point
- Light head - 9.7 lbs
- Equipped with 3/8" male screw coupler
- Ram automatically retracts when crimp cycle is complete

Benefits

- Durable and dependable
- Flexibility and economy
- Offers the option of performing line maintenance when properly protected
- Easy to hold, less tiring for numerous crimps
- For use with standard industry hoses
- Confirms crimp was completed

Specifications

Force developed: 12 Tons
 Operating pressure: 10,000 PSI
 Weight: 9.7 lbs.
 Overall Length: 11-7/8"
 Jaw Opening: 1.65"
 Conductor Range: 750kcmil-8 AL
 1000kcmil-8 CU



For Use With

| Aluminum Connectors | Copper Connectors | Visual Identification |
|-----------------------------------|--------------------------------|-----------------------|
| Series: ALNS, ALND | Series: CLN4, CLN9, CLND, CLWU | |
| ALNN thru 750kcmil | CLNF, CLNN, CLNS | |
| Series: IACL, 2IACL thru 750kcmil | CLNU, CLWD, CLW4, CLW9 | |
| 2ACL | CLWN, CLWS, CSND | |
| 750kcmil-1/0 | CSNF, CSNS | |
| ACL | | |
| 750kcmil-8 | CSWD, CSWN, CSWS, CSW4, CSW9 | |
| Series: ASN | | |
| CPM Series | | |
| CPML Series | | |
| ACM Series | | |
| ACO Series | | |
| ACO-90 Series | | |
| AH 1-4 | | |
| HT Series | | |
| | GGA Series | |
| | GGB Series | |
| | ELT Series | |
| | GGC Series | |
| | ULT Series | |
| | RLT Series | |
| | | |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Additional Requirements:

- Hose
- Pump

Includes:

Steel Carrying Case
 Instruction Manual

TYPE ILC-15H

Features

- Lightweight - only 14.1 lbs
- Accepts P or U dies with adaptor
- Hot stick attachment point
- Equipped with 3/8" male screw coupler
- Zinc plated head

Benefits

- Easy to hold, less tiring for numerous crimps
- Versatility and efficiency. Use your current dies with this tool
- Offers the option of performing line maintenance when properly protected
- For use with standard industry hoses
- Excellent corrosion resistance for long tool life

Specifications

Force developed: 15 Tons
 Operating pressure: 10,000 PSI
 Weight (with case): 14.1 lbs.
 Overall length: 15"
 Maximum width: 3"
 Conductor Range: 1000kcmil-#8 AL or CU



| For Use with* | |
|--------------------------|------------------------------|
| Aluminum Connectors | Copper Connectors |
| CPM Series | CLN4, CLN9, CLND, CSLT, CLWU |
| ACM Series | CLNF, CLNN, CLNS, |
| ACO Series | CLNU, CLW4, CLW9, |
| ACO-90 Series | CLWD, CLWF, CLWN, |
| ACL, ACN 1000kcmil-8 | CLWS, CSN4, CSN9, |
| 2ACL, 2ACN 1000kcmil-1/0 | CSND, CSNF, CSNN, |
| AS 1000kcmil-8 | CSNS, CSW4, CSW9, |
| HT Series | CSWD, CSWF, CSWN, |
| AH Series | CSWS thru 1000kcmil |
| IACL Series | |
| 2IACL Series | |
| Series: ALNS, ALND, ASN, | |
| ALNN thru 1000 kcmil | |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

*See page 475 for required compression dies

Note: If using "P" dies, an ILD-PADP must be used.
 If using "U" dies, an ILD-UADP must be used.

Additional Requirements:

- Hose
- Pump
- Adaptor required with all dies

TYPE HRCT

Features

- TaskMasterPRO five year tool warranty
- Remote hydraulic powered
- Operates with 10,000 p.s.i. pump
- Latch head design
- Quick connect male attachment point
- Heavy duty blades

Benefits

- Ensures confidence for durability & quality
- Ease of use
- Industry standard
- Secures conductor in place
- Time saving leak free connection
- Able to cut through hard steel

TR-CUT25



Catalog Number

| | |
|----------|--------------------------|
| TR-CUT25 | |
| BLDF-25 | Replacement Fixed Blade |
| BLDM-25 | Replacement Moving Blade |

Specifications

| | |
|-----------------|----------|
| Force Developed | 6.7 tons |
| Weight | 4.6 lbs. |
| Length | 8.6" |

Cutting Capacity

| | |
|----------------|---|
| Diameter | .98" |
| CU Conductor | .98" |
| AL Conductor | .98" |
| ACSR | 556 kcmil |
| Guy Wire | 5/8" |
| Guy Wire (EHS) | 1/2" |
| Ground Rod | 5/8" |
| Rebar | #4 (1/2") Grade 40 For Grade 60, Consult Factory |

TR-CUT45



Catalog Number

| | |
|----------|--------------------------|
| TR-CUT45 | |
| BLDF-45 | Replacement Fixed Blade |
| BLDM-45 | Replacement Moving Blade |

Specifications

| | |
|-----------------|----------|
| Force Developed | 6.7 tons |
| Weight | 6.4 lbs. |
| Length | 12.3" |

Cutting Capacity

| | |
|----------------|--------------------|
| Diameter | 1.77" |
| CU Conductor | 1.5" |
| AL Conductor | 1.7" |
| ACSR | 1590 |
| Guy Wire | 5/8" |
| Guy Wire (EHS) | 1/2" |
| Ground Rod | 5/8" |
| Rebar | #4 (1/2") Grade 60 |

Includes:

- Durable Carrying Pouch with Clip
- Instruction Manual

TYPE HRCT

Features

- TaskMasterPRO five year tool warranty
- Remote hydraulic powered
- Operates with 10,000 p.s.i. pump
- Latch head design
- Quick connect male attachment point

Benefits

- Ensures confidence for durability & quality
- Ease of use
- Industry standard
- Secures conductor in place
- Time saving leak free connection

TR-CUT50CU



TR-CUT85CU



TR-CUT120CU



Catalog Number

| | |
|------------|--------------------------|
| TR-CUT50CU | |
| BLDF-50 | Replacement Fixed Blade |
| BLDM-50 | Replacement Moving Blade |

Specifications

| | |
|-----------------|----------|
| Force Developed | 6.7 tons |
| Weight | 6.4 lbs. |
| Length | 12.3" |

Cutting Capacity

| | |
|--------------|-------|
| Diameter | 1.96" |
| CU Conductor | 1.9" |
| AL Conductor | 1.9" |

Catalog Number

| | |
|------------|--------------------------|
| TR-CUT85CU | |
| BLDF-85 | Replacement Fixed Blade |
| BLDM-85 | Replacement Moving Blade |

Specifications

| | |
|-----------------|----------|
| Force Developed | 7.8 tons |
| Weight | 8.8 lbs. |
| Length | 15.3" |

Cutting Capacity

| | |
|--------------|-------|
| Diameter | 3.34" |
| CU Conductor | 3.3" |
| AL Conductor | 3.3" |

Catalog Number

| | |
|-------------|--------------------------|
| TR-CUT120CU | |
| BLDF-120 | Replacement Fixed Blade |
| BLDM-120 | Replacement Moving Blade |

Specifications

| | |
|-----------------|-----------|
| Force Developed | 15 tons |
| Weight | 17.8 lbs. |
| Length | 21" |

Cutting Capacity

| | |
|--------------|-------|
| Diameter | 4.72" |
| CU Conductor | 4.5" |
| AL Conductor | 4.5" |

Includes:

- Durable Carrying Pouch with Clip
- Instruction Manual

DO NOT CUT:

ACSR Cable, Steel, Ground Rod, Rebar or Guy Wire

TYPE HRCT

Features

- TaskMasterPRO five year tool warranty
- Remote hydraulic powered
- Operates with 10,000 p.s.i. pump
- Scissor head design
- Quick connect male attachment point

Benefits

- Ensures confidence for durability & quality
- Ease of use
- Industry standard
- One handed operation
- Time saving leak free connection

TR-CUT65CUS



Catalog Number

| | |
|-------------|-------------------------|
| TR-CUT65CUS | |
| BLDS-65 | Replacement Blade |
| BLDG-65 | Replacement Blade Guide |

Specifications

| | |
|-----------------|-----------|
| Force Developed | 4.9 tons |
| Weight | 10.3 lbs. |
| Length | 14.5" |

Cutting Capacity

| | |
|--------------|------------|
| Diameter | 2.5" |
| CU Conductor | 1000 kcmil |
| AL Conductor | 2.5" |

TR-CUT95CUS



Catalog Number

| | |
|-------------|-------------------------|
| TR-CUT95CUS | |
| BLDS-95 | Replacement Blade |
| BLDG-95 | Replacement Blade Guide |

Specifications

| | |
|-----------------|-----------|
| Force Developed | 7.3 tons |
| Weight | 15.2 lbs. |
| Length | 18.3" |

Cutting Capacity

| | |
|--------------|------------|
| Diameter | 3.75" |
| CU Conductor | 1000 kcmil |
| AL Conductor | 3.5" |

TR-CUT120CUS



Catalog Number

| | |
|--------------|--------------------------|
| TR-CUT120CUS | |
| BLDF-120 | Replacement Fixed Blade |
| BLDM-120 | Replacement Moving Blade |

Specifications

| | |
|-----------------|-----------|
| Force Developed | 6.7 tons |
| Weight | 16.5 lbs. |
| Length | 19.8" |

Cutting Capacity

| | |
|--------------|------------|
| Diameter | 4.75" |
| CU Conductor | 1000 kcmil |
| AL Conductor | 4.5" |

Includes:

- Durable Plastic Carrying Case
- Instruction Manual

DO NOT CUT:

ACSR Cable, Steel, Ground Rod, Rebar or Guy Wire

TYPE HPI

Features

- TaskMasterPRO five year tool warranty
- 18 V, 5.0 Ah Milwaukee® Li-ion battery, 3 year warranty
- Auto cut detection
- USB interface
- Light weight/Compact design
- LED operating indicator lights
- LED battery charge indicator
- Manual release switch
- Quick disconnect couplers
- Return adjustment knob
- Closed oil system

Benefits

- Ensures confidence for durability & quality
- Eliminates need for external power source
- Extends motor life
- Capture data for performance, reporting & service
- Reduces fatigue & saves space
- Identifies condition and readiness of pump
- Job site battery management
- Emergency safety release, even without battery
- Leak free connection
- Faster crimp cycles
- Allows pump to function, even upside down



* See TaskMaster Tool Accessories page for alternate hoses, foot operated remote, and replacement parts

| Catalog Number | Description |
|-------------------------------|------------------------------------|
| TB-PMP | Pump Kit |
| TB-PMPX | Pump Kit w/o batteries and charger |
| Specifications | |
| Force Developed | 10,000 psi |
| Compression Head Max | 60 ton |
| Hose Length | 5 ft. |
| Weight with 5.0 Battery | 11.4 lbs |
| Oil Capacity | 25 oz. |
| Battery Life Estimates | |
| 18V DC - 5.0 Ah | 250 |

Kit Includes:

- Pump
- 2 Milwaukee® Batteries - 18V 5.0 Ah
- 1 Milwaukee® Battery Charger - 120V AC
- 5 ft. Non-conductive Filled Hose
- 5 ft. Hand Held Remote Pump Cord
- Shoulder Strap for Pump
- USB 2.0 Cable Type A to Mini-B, 6 ft.
- Durable Carrying Bag
- Instruction Manual
- Male/Female Adapters
- Specific Control Certification

TYPE
HPI

Features

- TaskMasterPRO five year tool warranty
- Manual retract switch
- 2 stage pump cylinder
- Includes coupling adapters
- Quick connect female attachment point
- Foot powered hydraulic

Benefits

- Ensures confidence for durability & quality
- Retract head at any time
- Rapid advance
- Ensure industry standard hose connection
- Time saving leak free connection
- No outside power source required

TMFT-PMP



* Hoses sold separately see TaskMaster Tool Accessories Page

| Catalog Number | |
|----------------------|------------|
| TMFT-PMP | Pump |
| Specifications | |
| Force Developed | 10,000 psi |
| Compression Head Max | 60 ton |
| Pump Length | 22.4" |
| Weight | 21 lbs. |
| Oil Capacity | 40 oz. |

Kit Includes:

- Pump
- Durable Metal Case
- Instruction Manual
- Male and Female quick connect adapters
- Specific Control Certification

TYPE
HPI

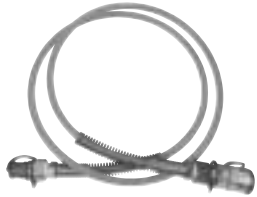


Fig. 1

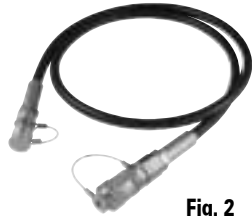


Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11

| Figure Number | Catalog Number | Description |
|---------------|----------------|--------------------------------------|
| Fig. 1 | HSO-5 | 5 ft. Non-conductive filled hose |
| Fig. 1 | HSO-10 | 10 ft. Non-conductive filled hose |
| Fig. 1 | HSO-15 | 15 ft. Non-conductive filled hose |
| Fig. 1 | HSO-30 | 30 ft. Non-conductive filled hose |
| Fig. 2 | HSA-5 | 5 ft. Armored filled hose |
| Fig. 2 | HSA-10 | 10 ft. Armored filled hose |
| Fig. 2 | HSA-15 | 15 ft. Armored filled hose |
| Fig. 2 | HSA-30 | 30 ft. Armored filled hose |
| Fig. 3 | CH-120V | 120V Battery charger |
| Fig. 4 | CH-12V | 12V Battery charger |
| Fig. 5* | BAT-1850 | 18V 5.0 Ah Milwaukee® Li-ion battery |
| Fig. 6* | BAT-1820 | 18V 2.0 Ah Milwaukee® Li-ion battery |
| Fig. 7 | RCPMP-5 | 5 ft. Hand held remote pump cord |
| - | SHST | Shoulder strap for pump |
| - | USB | 6 ft. 2.0 Cable Type A to Mini-B |
| Fig. 8 | QCA-M | Male adapter |
| Fig. 9 | QCA-F | Female adapter |
| Fig. 10 | U-W-BAG | Bag In-line |
| Fig. 11 | FP-PMP | Foot pedal for TB-PMP |

* Milwaukee® Battery has 3 year warranty

TYPE
IVTB

Features

- Heavy duty steel construction
- Dieless crimp head
- Cable cutter head
- Knock-out punch head kit
- Automatic cycle and retract
- Heads rotate 360°

Benefits

- Durability
- Works with large range of connectors
- Durable high strength cutting blades
- Precision knock-outs provide clean, quick holes

| Catalog Number | Description |
|------------------------------|--|
| IVTB-6-ALIO-CRMP | 4-Indent Crimp Head |
| IVTB-6-ALIO-CUT | Cutter Head with copper/aluminum wire blades |
| IVTB-6-ALIO-ACSR | Cutter Head with ACSR blades |
| IVTB-6-ALIO-PUN360 | Knock-out Punch Head |
| IVTB-6-PUN-MANDREL360 | Mandrel kit for Punch Head |

- Knock-out Punch and Cut Dies Sold Separately



Crimp Head

- UL Listed/CSA Certified ONLY with ILSCO SureCrimp compression connectors and splices
- 750kcmil - 8 copper; 500kcmil - 8 aluminum

Cutter Head

- Hardened steel alloy blades retain sharp edge for long life
- Cuts up to 750kcmil copper/aluminum building wire
- Up to 500kcmil copper fine stranded wire
- ACSR head - cuts up to 477kcmil ACSR wire, sold separately

Punch Head

- 360° rotation on 2 axes
- Adjustment of head at any angle
- Maneuverability in tight spaces
- Punches up to 4" holes

Mandrel Kit

- Includes
 - 3/4" and 3/8" draw studs
 - Draw stud adapter
 - 2 spacers allows for 1-1/8" threaded die sets

TYPE
IVTB

Features

- 18 volt advanced lithium-ion battery
- Battery charger
- Impact resistant molded carrying case
- 1/2" - 4" knock-out punch and cut dies

Benefits

- Prolonged use without recharging
- Reduces down time
- Stores and protects tool and accessories
- Installation versatility



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

| Catalog Number | Figure Number | Description |
|---------------------|---------------|---|
| IVTB-6-ALIO-BAT | - | TaskMaster® 2.0Ah LI-ION Battery |
| IVTB-6-ALIO-CHGR | - | TaskMaster® LI-ION Charger |
| IVTB-6-CHGR-CRD | - | TaskMaster® Battery Charger Cord |
| IVTB-6-ALIO-CASE360 | - | TaskMaster® 360 Carrying Case |
| IVTB-KP-12 | 1 | 1/2" Knock-out Punch Die |
| IVTB-KP-34 | 1 | 3/4" Knock-out Punch Die |
| IVTB-KP-1 | 1 | 1" Knock-out Punch Die |
| IVTB-KP-114 | 1 | 1-1/4" Knock-out Punch Die |
| IVTB-KP-112 | 1 | 1-1/2" Knock-out Punch Die |
| IVTB-KP-2 | 1 | 2" Knock-out Punch Die |
| IVTB-KP-212 | 1 | 2-1/2" Knock-out Punch Die |
| IVTB-KP-3 | 1 | 3" Knock-out Punch Die |
| IVTB-KP-312 | 1 | 3-1/2" Knock-out Punch Die |
| IVTB-KP-4 | 1 | 4" Knock-out Punch Die |
| IVTB-KD-12 | 2 | 1/2" Knock-out Cut Die |
| IVTB-KD-34 | 2 | 3/4" Knock-out Cut Die |
| IVTB-KD-1 | 2 | 1" Knock-out Cut Die |
| IVTB-KD-114 | 2 | 1-1/4" Knock-out Cut Die |
| IVTB-KD-112 | 2 | 1-1/2" Knock-out Cut Die |
| IVTB-KD-2 | 2 | 2" Knock-out Cut Die |
| IVTB-KD-212 | 2 | 2-1/2" Knock-out Cut Die |
| IVTB-KD-3 | 2 | 3" Knock-out Cut Die |
| IVTB-KD-312 | 2 | 3-1/2" Knock-out Cut Die |
| IVTB-KD-4 | 2 | 4" Knock-out Cut Die |
| IVTB-PDK2-4 | 5 | Kit with 2-1/2" - 4" Punches, Dies and Case |
| IVTB-PDK | 4 | Kit with 1/2" - 2" Punches, Dies and Case |
| IVTB-6-SS | - | Spacer set for 360 punch head |
| IVTB-6-34DS | - | 3/4" Draw Stud for 360 punch head |
| IVTB-6-38DS | - | 3/8" Draw Stud for 360 punch head |
| IVTB-6-SDB | 3 | Step Drill Bit |
| IVTB-6-DSA | - | Adapts 3/4" bolt to 1-1/8" threads |



Fig. 1



Fig. 2



Fig. 3

| Catalog Number | Figure Number | Description |
|--------------------|---------------|--|
| UDIE-CASE | 1 | Crimping die carrying case (dies not included), accommodates 15 dies |
| IDT-6-TON-TEST-KIT | 2 | 10 Test slugs and gauge |
| CUTTER-DIES | 3 | Guy wire cutting dies |

TYPE

ILD-KIT-CU
ILD-KIT-AL
ILD-KIT-PG

- ILD-KIT-CU is for use with SureCrimp copper connectors
- ILD-KIT-AL is for use with SureCrimp aluminum connectors
- ILD-KIT-PG is for use with PermaGround connectors

| Wire Size | ILD-KIT-CU Includes | ILD-KIT-AL Includes |
|-----------|---------------------|---------------------|
| #6 | ILD-24-1 | ILD-346 |
| #4-3 | ILD-29-1 | ILD-375 |
| #2 | ILD-33 | ILD-348 |
| #1 | ILD-37 | ILD-471 |
| 1/0 | ILD-42 | ILD-296 |
| 2/0 | ILD-45 | ILD-297 |
| 3/0 | ILD-50 | ILD-467 |
| 4/0 | ILD-54 | ILD-298 |
| 250kcmil | ILD-62 | ILD-324 |
| 300kcmil | ILD-66 | ILD-470 |
| 350kcmil | ILD-71 | ILD-299 |
| 400kcmil | ILD-76 | ILD-472 |
| 500kcmil | ILD-87 | ILD-300 |
| 600kcmil | ILD-94 | ILD-473 |
| 750kcmil | ILD-106 | ILD-936 |



ILD-KIT-CU
ILD-KIT-AL

ILD-KIT-PG
Includes

- ILD-C
- ILD-D3
- ILD-O
- ILD-997
- ILD-998
- ILD-1011
- ILD-BG
- ILD-238
- ILD-162
- ILD-PRECRIMP



ILD-KIT-PG

All Die Kits are in a Pelican® case (UDIE-CASE)



Compressor Dies For ILC-12-N, ILC-12H-N, ILCB-12 Series (Hydraulic Tools) TB-12U1000-P, TM-12U1000, TR-12U1000

| Catalog Number | Die Color Code | Connector Series ALNS, ALND, ALNN Wire Size |
|----------------|----------------|---|
| ILD-374 | Blue | #8 |
| ILD-346 | Gray | #6 |
| ILD-375 | Green | #4 |
| ILD-348 | Pink | #2 |
| ILD-471 | Gold | #1 |
| ILD-296 | Tan | 1/0 |
| ILD-297 | Olive | 2/0 |
| ILD-467 | Ruby | 3/0 |
| ILD-298 | White | 4/0 |
| ILD-324 | Red | 250kcmil |
| ILD-470 | Blue | 300kcmil |
| ILD-299 | Brown | 350kcmil |
| ILD-472 | Green | 400kcmil |
| ILD-300 | Pink | 500kcmil |
| ILD-473 | Black | 600kcmil |
| ILD-936 | Yellow | 700/750kcmil |



Compressor Dies For ILC-12, ILC-12-N, ILC-12H, ILC-12H-N, ILCB-12, ILCB-12-N, ILCB-12-LIO, ILC-14, ILC-14H, ILC-15, ILC-15H, ILC-750, TB-12U1000-P, TM-12U1000, TR-12U1000

| Catalog Number | Class B/C Copper Wire Only | Fine Strand Copper Wire Only |
|----------------|----------------------------|------------------------------|
| | Series CS, CL, CT, CTL | Series CS, CL, CT, CTL |
| ILD-21 | 8 AWG | 8 FLEX CLASS G,H,I,K,M,DLO |
| ILD-24-1 | 6 AWG, 5 AWG | 6 FLEX CLASS G,H,I,K,M,DLO |
| ILD-29-1 | 4-3 AWG | 4 FLEX CLASS G,H,I,K,M,DLO |
| ILD-33 | 2 AWG | - |
| ILD-37 | 1 AWG | 2 FLEX CLASS G,H,I,K,M,DLO |
| ILD-42 | 1/0 AWG | 1 FLEX CLASS G,H,I,K,M,DLO |
| ILD-45 | 2/0 AWG | 1/0 FLEX CLASS G,H,I,K,M,DLO |
| ILD-50 | 3/0 AWG | 2/0 FLEX CLASS G,H,I,K,M,DLO |
| ILD-54 | 4/0 AWG | 3/0 FLEX CLASS G,H,I,K,M,DLO |
| ILD-62 | 250kcmil | 4/0 FLEX CLASS G,H,I,K,M,DLO |
| ILD-66 | 300kcmil | 250 G,H |
| ILD-71 | 350kcmil | 250 I,K,M, 262 DLO |
| ILD-76 | 400kcmil | 300 G,H,I,K,M, 313 DLO |
| ILD-87 | 500kcmil | 350 G,H,I,K,M, 373 DLO |
| ILD-94 | 600kcmil | 400 G,H,I,K,M, 444 DLO |
| ILD-99 | 700kcmil | 500 G,H,I,K,M, 535 DLO |
| ILD-106 | 750kcmil | 600 G,H,I,M, 646 DLO |
| ILD-125 | 1000kcmil | 750 G,H,I, 777 DLO |



Compressor Dies For ILC-12-N, ILC-12H-N, ILCB-12-N, ILC-15H, ILC-12, ILC-12H, ILC-14, ILC-14H, ILCB-12, ILCB-12-LIO, ILC-15, ILC-750, TB-12U1000-P, TM-12U1000, TR-12U1000

| Catalog Number | Wire Size | | |
|----------------|---------------------------------------|------------------------------|------------------------------|
| | Legacy Aluminum Terminals and Splices | ACM and ACO Pin Connectors | CPM Pin Connectors |
| ILD-1 | | | |
| ILD-2 | 8 | | |
| ILD-3 | 6 | | |
| ILD-4 | 4 | | |
| ILD-5 | | | |
| ILD-6 | | | |
| ILD-7 | 2, 1 | | |
| ILD-8 | 1/0 | 6, 4, 2, 1 | |
| ILD-9 | 6, 4, 2, 1 | | |
| ILD-10 | 2/0, 3/0 | | |
| ILD-11 | | | |
| ILD-12 | 4/0 | 1/0, 2/0, 3/0, 4/0 | 1/0, 2/0, 3/0, 4/0 |
| ILD-13 | 250kcmil | | |
| ILD-14 | 300kcmil, 350kcmil | 250kcmil, 300kcmil, 350kcmil | 250kcmil, 300kcmil, 350kcmil |
| ILD-15 | | | |
| ILD-16 | 400kcmil | | |
| ILD-16A | *500kcmil | 400kcmil, 500kcmil | 400kcmil, 500kcmil |
| ILD-17 | *600kcmil, *700kcmil | | |
| ILD-18 | *700kcmil | 600kcmil, 750kcmil | 600 kcmil, 750kcmil |
| ILD-P302+ | ‡1000kcmil | | |

* Cannot be used on Sleeves with ILC-12-N, ILC-12H-N, ILC-12 and ILC-12H tools

‡ For use on ALNN-1000-12-134

+ For use with ILC-15 or ILC-15H, must be used with ILDPADP when using ILC-15H



Type W Dies For ND-60, ND-58, TB-6WBG500-I, TB-6WO500-I, TB-6WD3500-I

| Catalog Number | For Use With | |
|----------------|--|-------------------------------|
| | Aluminum Compression Connectors | Copper Compression Connectors |
| ND-O | HT-1, HT-2, AH-1 | GGC-1, GGA-1, GGA-2, GGA-4 |
| ND-BG | PICS-61 thru PICS-78 | ULT-4, ULT-5 |
| ND-C | | ULT-6, ULT-7 |
| ND-K-840 | UCS-2/0, UCS-3/0, UCS-4/0, UCS-250, PICS-834 thru PICS-869 | |

FOR TYPE
ILC-15
ILC-15H
ILC-750



Figure 1



Figure 2

| Catalog Number | Figure Number | For Use With | |
|----------------|---------------|---|--|
| | | Aluminum Compression Connectors | Copper Compression Connectors |
| ILD-K-840*+ | 1 | UCS-2/0, UCS-3/0, UCS-4/0, UCS-250, PICS-834 through PICS-869 | |
| ILD-C*+ | 1 | | ULT-6-Z, ULT-7-Z, ELT-1 |
| ILD-D3*+ | 1 | HT-2, HT-3, HT-4, HT-5, HT-7, AH-2, AH-3, AH-4 | ULT-10-Z, ULT-11-Z, ULT-12-Z, CDT-308-8, CDT-307-8 |
| ILD-O* | 1 | HT-1, HT-6, HT-8, AH-1 | GGC-1, GGA-1, GGA-2, GGA-4, ELT-2, ELT-4, CDT-304-8, CDT-303-8, ULT-8-Z, ULT-9-Z |
| ILD-N*+ | 1 | AH-5, AH-6, AH-7 | |
| ILD-KR+ | 2 | AH-8, AH-9, AH-10, AH-11, AH-12 | AH-10, AH-11, AH-12 |
| ILD-997*+ | 1 | | GGA-2, GGA-3, GGA-4, GGA-5, GGA-9, GGC-2, GGC-3, GGC-4, ELT-3, ELT-5, CGP2-2250, CGP4-2250 |
| ILD-998+ | 1 | | GGA-4, GGA-5, GGC-5, GGC-6, GGC-7, GGC-9, CGP2-250500, CGP4-250500, RLT-4TN, RLT-7TN, RLT-8TN, RLT-9TN, RLT-2 through RLT-13 |
| ILD-P998° | 2 | Can only be used with ILC-15 or ILC-15H | GGA-4, GGA-5, GGB-1 thru GGB-8, GGC-5, GGC-6, GGC-7, RLT |
| ILD-P999° | 2 | Can only be used with ILC-15 or ILC-15H | GGA-6, GGC-8 |
| ILD-1011+ | 1 | | GGA-6, GGC-8, ELT-6, ELT-7, ELT-8, RLT-4TN, RLT-7TN, RLT-8TN, RLT-9TN, RLT-2 through RLT-13 |
| ILD-P1011° | 2 | Can only be used with ILC-15 or ILC-15H | GGA-6, GGC-8, RLT |
| ILD-BG | 1 | PICS-61 thru PICS-78 | ULT-3-Z, ULT-4-Z, ULT-5-Z, CST-301, CST-302, CDT-399-8, CDT-398-8 |
| ILD-P302° | 1 | ALNN, Can only be used with ILC-15 or ILC-15H | |
| ILD-238 | - | | ULT-1-Z |
| ILD-162 | - | | ULT-2-Z |
| ILD-Precrimp | - | | 1/2, 5/8, 3/4, Ground Rod Pre Crimp Die |

* May also be used with ILC-12-N, ILC-12H-N, ILCB-12-N, ILC-12, ILC-12H, ILCB-12
 + Must be used with ILA-ADP when using ILC-15, must be used with ILA-PADP when using ILC-15H
 o Must be used with ILA-PADP when using ILC-15H

Die Adaptors

FOR TYPE
ILC-15
ILC-15H



Figure 1



Figure 2



Figure 3

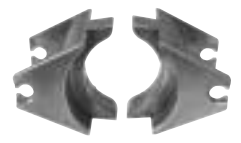


Figure 4

| Catalog Number | Figure Number | Description | Die Color Code |
|----------------|---------------|---|----------------|
| ILD-ADP | 1 | Permits ILA Series to be inserted in ILC-15 or ILC-15H tool, if using ILC-15H ILA-PADP must be used as well | |
| ILD-UADP | 2 | Permits ILA Series to be inserted in ILC-15 or ILC-15H tool | |
| ILD-PADP | 3 | Permits "P" style dies to be inserted in ILC-15H tool | |
| ILD-P302 | 4 | 1000kcmil, ILA-PADP die adaptor must be used | Brown |

TYPE MT-25

Features

- Dieless single indent compressor
- Steel adjusting knob
- UL Listed terminals and splices
- Broad wire range
- Mounting hole for bench mounting applications

Benefits

- Reduces installed cost by having no separate dies to purchase, change or lose
- Provides fast and easy setting. Simply align the line on the die nest with the wire size gauge for proper crimping results.
- Ensures reliability. ILSCO's standard line of connectors are UL Listed when crimped with the MT-25 tool
- Convenience

Specifications

Length: 22.65"
Weight: 6 lbs.
Depth: 4.86"
Width: 1.12"
Conductor Range: 4/0-8 AL
250kcmil-8 CU



For Use with

| Aluminum Connectors | Copper Connectors |
|-------------------------|--------------------|
| ACL, ACN 4/0-8 | CLN4, CLN9, CLND, |
| 2ACL, 2ACN 4/0-8 | CLNF, CLNN, CLNS, |
| AS 4/0-8 | CLNU, CLW4, CLW9, |
| Series:ALNS, ALND, ASN, | CLWD, CLWF, CLWN, |
| ALNN thru 4/0 | CLWS, CSN4, CSN9, |
| | CSND, CSNF, CSNN, |
| | CSNS, CSW4, CSW9, |
| | CSWD, CSWF, CSWN, |
| | CSWS thru 250kcmil |
| | CCL, CRAM |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

TYPE ND-58

Features

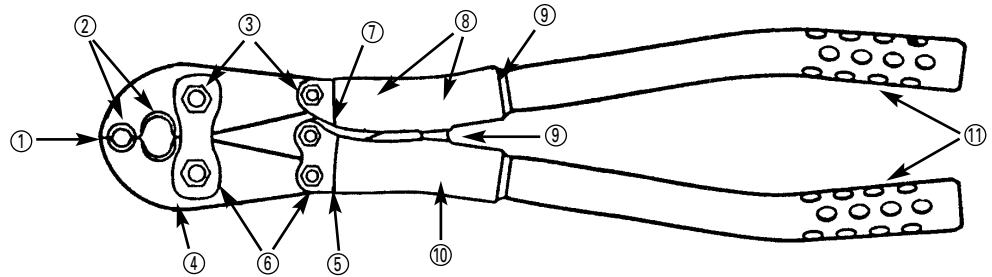
- ① High strength, butting, forged steel jaw
- ② Two permanent die grooves
- ③ Large diameter hardened steel bolts
- ④ Spring loaded positive lock die retainer buttons
- ⑤ Orange alignment grooves
- ⑥ PTFE[®] impregnated steel backed bronze bushings
- ⑦ Over center cam action
- ⑧ Adjustment screws
- ⑨ Handle butt stops and heat shrink tubing
- ⑩ High quality clear hickory handles
- ⑪ Bent handles and anti-slip handle grips

Benefits

- Assures proper crimps
- No additional dies required for "0" and "D₃" size tap connectors. The "D₃" groove accommodates the complete line of type "W-" die inserts.
- Provides increased strength and greater bearing area
- Allows fast, easy, one-hand die insertion. No lost dies.
- Allows easy visual field check for proper tool adjustment
- Over 90,000 crimps provided with Teflon impregnated steel backed bronze bushings
- Assures full crimp force
- Easy tool adjustment with allen wrench screws
- Operator protection provided with butt stops and heat shrink tubing
- Long life expectancy provided with select clear hickory handles and light weight high strength aluminum alloy castings
- Easier tool operation is provided with bent handles and anti-slip grips

Specifications

Crimp Force: 9,000 lbs.
Length: 25-3/8"
Weight: 9 lbs.



For Use with

| Aluminum Connectors | Copper Connectors |
|---------------------|-------------------|
| PICS Series | GGA-1 |
| P840 Series | GGC-1 |
| UCL 1/0-4 | ULT 4-7 |
| UCS 1/0-4 | |
| HT Series | |
| AH 1-4 | |

TYPE ND-60

Features

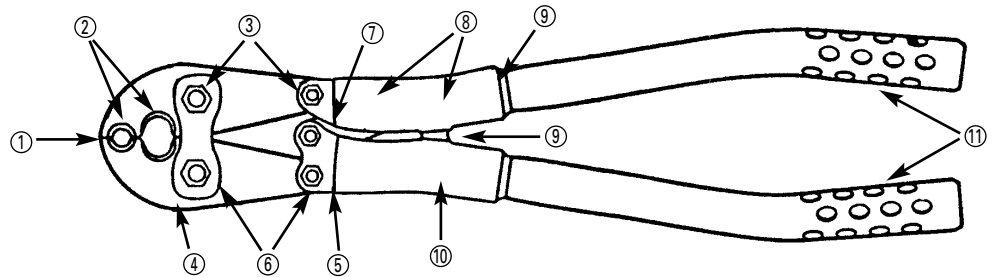
- ① High strength, butting, forged steel jaw
- ② Two permanent die grooves
- ③ Large diameter hardened steel bolts
- ④ Spring loaded positive lock die retainer buttons
- ⑤ Orange alignment grooves
- ⑥ PTFE[®] impregnated steel backed bronze bushings
- ⑦ Over center cam action
- ⑧ Adjustment screws
- ⑨ Handle butt stops and heat shrink tubing
- ⑩ High quality clear hickory handles
- ⑪ Bent handles and anti-slip handle grips

Benefits

- Assures proper crimps
- No additional dies required for "BG" and "D₃" size tap connectors. The "D₃" groove accommodates the complete line of type "W." die inserts.
- Provides increased strength and greater bearing area
- Allows fast, easy, one-hand die insertion. No lost dies.
- Allows easy visual field check for proper tool adjustment
- Over 90,000 crimps provided with Teflon impregnated steel backed bronze bushings
- Assures full crimp force
- Easy tool adjustment with allen wrench screws
- Operator protection provided with butt stops and heat shrink tubing
- Long life expectancy provided with select clear hickory handles and light weight high strength aluminum alloy castings
- Easier tool operation is provided with bent handles and anti-slip grips

Specifications

Crimp Force: 9,000 lbs.
Length: 25-3/8"
Weight: 9 lbs.



For Use with

| Aluminum Connectors | Copper Connectors |
|---------------------|-------------------|
| PICS Series | GGA-1 |
| P840 Series | GGC-1 |
| UCL 1/0-4 | ULT 4-7 |
| UCS 1/0-4 | |
| HT Series | |
| AH 1-4 | |

TYPE 94285

Features

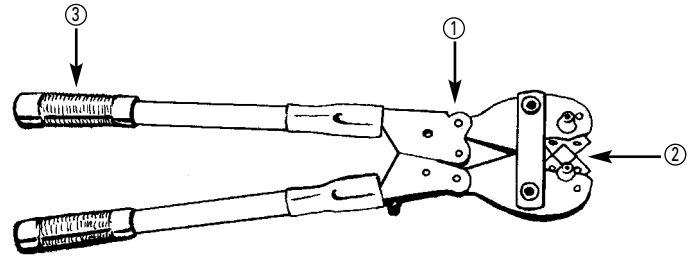
- ① • Controlled cycle ratchet mechanism
- ② • Built in rotatable dies
- ③ • Comfort grip handles
- UL Listed terminals and splices

Benefits

- Acts as a quality control device, once a crimp is started, the tool will not open until it is completed. (Tool has emergency release mechanism.)
- No separate dies to purchase or lose
- Helps ease fatigue with continuous use
- Ensures reliability. ILSCO's standard line of connectors are UL Listed when crimped with the 94285 tool

Specifications

Length: 25-1/4"
Weight: 6.1 lbs.
Conductor Range: 250kcmil-8 CU
3/0-8 AL



For Use with

| Aluminum Connectors | Copper Connectors |
|--------------------------|------------------------------|
| ACL, ACN 3/0-8 | CLN4, CLN9, CLND, CSLT, CLWU |
| 2ACL, 2ACN 3/0-8 | CLNF, CLNN, CLNS, |
| Series: ALNS, ALND, ASN, | CLNU, CLW4, CLW9, |
| ALNN thru 3/0 | CLWD, CLWF, CLWN, |
| | CLWS, CSN4, CSN9, |
| | CSND, CSNF, CSNN, |
| | CSNS, CSW4, CSW9, |
| | CSWD, CSWF, CSWN, |
| | CSWS thru 250kcmil |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

TYPE
ILC-10-N

Features

- Rotatable die
- Additional die affixed to frame
- Crimp cavities are color coded to industry standards
- Ratchet control mechanism
- Heat treated frame and dies
- Long, molded handles

Benefits

- Crimps #2, #4, #6 and #8 copper compression connectors
- Crimps 1/0 and #1 copper compression connectors
- Reduces the possibility of improper die selection
- Assures a complete crimp
- Dependable, long lasting tool
- Ergonomic design to reduce hand stress

Specifications

Weight: 1-3/8 lbs.
Overall Length: 11"
Width: 3.75"
Jaw Opening: .5"
Conductor Range: 1/0-8 CU



For Use with

Copper Connectors

CLN4, CLN9, CLND,

CLNF, CLNN, CLNS,

CLNU, CLW4, CLW9,

CLWD, CLWF, CLWN,

CLWS, CSN4, CSN9,

CSND, CSNF, CSNN,

CSNS, CSW4, CSW9,

CSWD, CSWF, CSWN,

CSWS 1/0 thru 8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

TYPE ILST-22K

Features

- Kit includes case and (5) dies
- Full cycle ratchet
- Compound action
- Cushion grip handles
- Crimps non-insulated, insulated, and double insulated wire terminals
- Wire Range: 10-22 AWG ILSCON connectors

Benefits

- All-in-one, ease of use
- Assures proper crimp force every time
- Delivers maximum crimp force with minimum effort
- Provides user comfort
- Optimum versatility, crimps all ILSCON connectors
- Provides flexibility in use



| | | UL Listed for use with | | | | |
|-----------|------------------|------------------------|--------|-------|----------|------|
| | | A | B | C | D1322 | FA |
| DIE INDEX | PRODUCT FAMILIES | NBFTD | NFBRD | NBFT | BFBR | NFLB |
| | | NBMTD | NFBRF | NBMT | BRBR | |
| | | NBSS | NPBRD | NDFT | BSBR | |
| | | NDFTD | NPRBD | NDMT | BSFBR | |
| | | NDMTD | NRBRD | NFIDT | BSLBR | |
| | | NFLBD | NSBRD | NFIFT | NFBR | |
| | | NPBR | NSFBRD | NFIMT | CSWS-10* | |
| | | NRBR | NSLBRD | VBFT | | |
| | | NSBR | | VBMT | | |
| | | NSFBR | | VDFT | | |
| | | NSLBR | | VDMT | | |
| | | VBSS | | VFIBT | | |
| | | VBST | | VFIDT | | |
| | | VFBR | | | | |
| | | VPBR | | | | |
| | | VRBR | | | | |
| | | VSBR | | | | |
| | | VSFBR | | | | |
| | | VSLBR | | | | |

* UL Listed and CSA Certified

TYPE ILST-MP

Features

- Heavy duty carbon steel construction
- Comfort grip handles
- Color coded crimp nest
- Crimp nest and indenter
- Wire cutter
- Machine screw cutters
- Wire stripper/wire gauge

Benefits

- Rugged, durable, reliable
- Provides user comfort
- For insulated terminals
- For uninsulated terminals
- Easily cuts solid and stranded wire
- Cuts and rethreads 4-40, 6-32, 8-32, 10-24, and 10-32 machine screws
- 8-26 AWG



All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

TYPE
94130
Controlled-Cycle
Crimper

Features

- Dieless tool
- Ratchet mechanism
- Compound action
- Cushion grip handles
- Crimps insulated wire terminals
- Wire Range: 10-22 AWG, Weight .8 lb

Benefits

- No need to purchase and maintain dies
- Assures proper crimp force every time
- Delivers maximum crimp force with minimum effort
- Provides user comfort
- Provides flexibility in use



TYPE
94145
Multi Purpose
Crimp Tool

Features

- Heavy duty carbon steel construction
- Comfort grip handles
- Spring loaded action
- Safety lock mechanism
- Color coded crimp nest
- Crimp nest
- Wire cutter
- Machine screw cutters
- Wire stripper/wire gauge

Benefits

- Provides durable rugged reliability
- Provides user comfort
- Enables multiple crimps
- Provides for compact storage
- For insulated terminals
- For uninsulated terminals
- Easily cuts solid and stranded wire
- Cuts and rethreads 4-40, 6-32, 8-32, 10-24, and 10-32 machine screws
- 26-8 AWG



TYPE
WS-1
Wire Stripper

Features

- Cushion grip handles
- Crimp die
- Wire strip gauge
- Plier nose
- Wire loop holes
- Wire cutter
- "Open" spring
- Metric markings
- Precision stripping
- Wire crimp range: 14-18 AWG

Benefits

- Eases pressure on hands when working for long periods or with larger conductor
- Built in crimp die allows you to crimp insulated terminals from 18AWG to 14AWG
- Convenient stamped wire strip gauge makes it easy to strip conductors to specific length consistently
- Flat plier nose allows you to conveniently punch and twist knock outs
- Built in looping holes allow you to conveniently bend eye loop into end of conductor
- Built in cutter is precision ground to cut small conductor copper intended to be stripped (Strips #10 - 18 AWG)
- Conveniently holds tool in open position to facilitate wire insertion
- Metric markings provide for use of tool on products that have been sized metrically
- Precision ground wire stripping holes provide a clean cutting and stripping action of insulation



All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

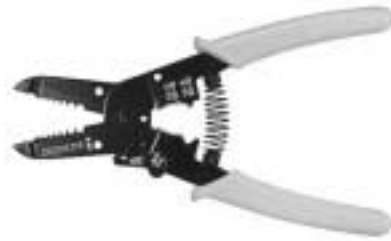
TYPE
WS-2

Features

- Black oxide finish
- Cushion grip and spring loaded handles
- Wire cutter
- Serrated nose
- Crimp nest and indenter
- Wire loop and bending hole
- Handle closure lock
- Wire stripper/wire gauge

Benefits

- Enhances readability of jaw markings, prevents oxidation
- Self-opening to assist with activation leverage, reduces user fatigue
- Easily cuts solid and stranded wire
- Multi-use to grip, shape and pull wire
- For uninsulated terminals
- Convenient forming of wire for termination
- Easy storage
- 10-22 AWG



TYPE
WS-3

Features

- Heavy duty carbon steel construction
- Black oxide finish
- "Grip and strip" compound action jaws
- Comfort grip and spring loaded handles
- Color coded crimp nest
- Crimp nest and indenter
- Wire cutter
- Wire stripper/wire gauge

Benefits

- Rugged, durable, reliable
- Enhances readability of jaw markings, prevents oxidation
- Wire insulation is cut and removed with a single handle activation
- Self-opening for increased activation leverage, reduces user fatigue
- For insulated terminals
- For uninsulated terminals
- Easily cuts solid and stranded wire
- 10-26 AWG



TYPE THT-SC-CC

Features

- Contoured cutting edges
- Stainless steel blades hardened to 55 HRC min
- Heavy duty blades
- Micro-indentations on blades
- Crimps terminals #22-#10 AWG
- Cushion grip on outer surface of handles
- Safety holster with belt clip

Benefits

- Ease of cutting circular shapes
- Provides strength and durability
- Cuts up to #6 AWG and up to 1/0 Flex conductors
- Delivers non-slip cutting
- Multi-purpose
- Adds comfort for challenging cuts
- Portable convenient storage

Specifications

- Length: 5.875"
Weight: .12 lbs
Cutting CU & AL: Up to #6 AWG, 1/0 Flex
Crimping: #22-#10 AWG terminals

Includes:

- Safety Holster
Scissors



TYPE
CTRI

Features

- TaskMasterPRO five year tool warranty
- Patented two-step ratchet mechanism
- Insulated handles
- Lightweight

Benefits

- Ensures confidence for durability & quality
- Requires fewer strokes per cut
- Added safety and shock absorption
- Portability

TRC-CUT750CU



Catalog Number

TRC-CUT750CU

Specifications

Weight 1.76 lbs.

Length 11.2"

Jaw Opening 2"

Cutting Capacity

CU Conductor 750 kcmil - #8

AL Conductor Up to 2"

Includes:

- Instruction Manual

DO NOT CUT:

ACSR Cable, Steel, Ground Rod, Rebar or Guy Wire

TYPE
CTR-2/0

Features

- 7-1/2" overall length
- Sharp precision ground blades
- Heat treated blades
- Narrow head design
- Cuts up to 2/0 copper or aluminum cable

Benefits

- Better leverage for easier cutting
- Clean, distortion-free cuts
- Long, dependable and durable operation
- Provides easy access to confined areas
- Wide cutting range for a pouch tool



TYPE
CTR-350

Features

- Sharp precision ground blades
- Moly steel blades
- Durable 16" metal handles
- Cuts copper and aluminum cable up to 350kcmil

Benefits

- Provides clean distortion-free cuts
- Offers extra strength to prevent blade breakage, blades stay sharper longer
- Provides easy handling
- Provides wide cutting range



TYPE
CTR-500

Features

- Sharp precision ground blades
- Moly steel blades
- Durable 20-3/4" fiberglass handles
- Cuts copper and aluminum cable up to 500kcmil

Benefits

- Provides clean, distortion-free cuts
- Offers extra strength to prevent blade breakage, blades stay sharper longer
- Provides easy handling
- Provides wide cutting range



TYPE
CTR-750

Features

- Cuts copper and aluminum cable up to 750kcmil
- Lightweight
- Ratchet mechanism
- 16" length
- Open/close lever
- Alloy steel precision ground replaceable blades

Benefits

- Provides large cutting capacity
- Weight of only 3 lbs. prevents operator fatigue
- Allows large cables to be cut with minimum effort
- Compact size provides ease of use in cramped spaces
- Lever that controls cutting blade direction makes the tool easy to use
- Provides years of service by being able to replace blades when necessary



All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

TYPE
MECHANICAL TOOLS



| Catalog Number | Figure Number | Description | Hex Size | Length |
|----------------|---------------|--|------------|--------|
| DR-516 | 5 | Driver for Torque Wrench | 5/16 | - |
| DR-38 | 5 | Driver for Torque Wrench | 3/8 | - |
| DR-12 | 5 | Driver for Torque Wrench | 1/2 | - |
| HW-13 | 2 | Screwdriver Bit for TS-35, .214 x .040 | - | - |
| HW-14 | 2 | Screwdriver Bit for TS-35, .250 x .042 | - | - |
| TK-1 | - | Torque Kit with TS-35, HW-13, HW-14, TW-1, DR-516, DR-38, Case | - | - |
| TK-2 | - | Torque Kit with TS-35, HW-13, HW-14, TW-750R, TW-150R, DR-516, DR-38, Case | - | - |
| TS-35 | 1 | Torque Screwdriver 0-36 lbs. | - | - |
| TW-1 | 3 | Torque Wrench 0-600 in. lbs. | - | - |
| TW-150R | 4 | Torque Wrench (Ratchet type) 5-150 in. lbs. | - | - |
| TW-750R | 4 | Torque Wrench (Ratchet type) 100-750 in. lbs. | - | - |
| WR-1 | 7 | Double Wrench | 3/16, 5/16 | 4 |
| WR-1A | 6 | Wrench | 3/16 | 4-1/2 |
| WR-3 | 6 | Wrench | 1/4 | 5-1/4 |
| WR-4 | 6 | Wrench | 5/16 | 3-3/16 |
| WR-5 | 6 | Wrench | 3/8 | 4-1/2 |
| WR-9 | 6 | Wrench | 5/16 | 10 |
| WR-10 | 6 | Wrench | 3/8 | 10 |
| WR-12 | 6 | Wrench | 1/2 | 5-1/2 |
| WC | 8 | Wire Brush | - | - |

TYPE
**Electric
Heat Gun**

Features

- Two temperature settings 750F and 1100F
- Three way switch OFF/HI/LO
- Built-in fold down stand
- 1200 Watt 120 V AC
- Heat deflector
- Impact resistant case
- Six foot cord
- Supplied in plastic carrying case

Benefits

- Provides versatility in applying recommended heat, deliverable in seconds
- Aids in producing proper air flow from heat gun
- Provides hands free operation
- Provides high output of air and heat
- Allows for concentration of heat for rapid heat shrink process
- Provides extra durability in harsh environments
- Provides operator convenience
- Provides ease of storage and accessibility



| Catalog Number | Description |
|----------------|--|
| 27001 | Heat Gun, 11 Disks Thin Wall Heat Shrink |
| 94502 | Electric Heat Gun 120v |
| 94504 | Replacement Adaptor for 94502 |



Tooling Information

| Lug/Splice Size | | Wire Size | Color Code | MT-25 ^b Hand Dieless | | 94285 | | IDT-6 ^b , IDT-6H ^b , IDTB-6 ^b series (6-Ton Hydraulic Dieless) | | IDT-12-N ^b (Dieless) | | ILC-12-N, ILC-12H-N, ILCB-12 series (12-Ton Hydraulic) | | TM-12U1000, TR-12U1000, TB-12U1000 series (12-Ton Hydraulic) | | ILC-15H (15-Ton) | | IVTB-6 ^b (Dieless) | | TM-6DF-1000 ^b , TR-6DF-1000 ^b , TB-6DF-1000 ^b series (Dieless) | |
|----------------------|----------------------|-----------|------------|---------------------------------|--------|----------------|--------|---|----------------|---------------------------------|----------------|--|----------------|--|----------------|------------------|----------------|-------------------------------|--------|---|--------|
| | | | | Die Code | Crimps | Crimps | Crimps | Die Code | Crimps | Die Code | Crimps | Die Code | Crimps | Die Code | Crimps | Die Code | Crimps | Die Code | Crimps | Die Code | Crimps |
| 8 | 8 AWG | Blue | M,K | | 2 | 1 | 1 | ILD-374 | 1 | ILD-374 | 1 | ILD-374 | 1 | ILD-374 | 1 | ILD-374 | 1 | | | | |
| 6 | 6 AWG | Gray | K,K | | 2 | 1 | 1 | ILD-346 | 1 | ILD-346 | 1 | ILD-346 | 1 | ILD-346 | 1 | ILD-346 | 1 | | | | |
| 4 | 4 AWG | Green | H,H | | 3 | 1 | 1 | ILD-375 | 1 | ILD-375 | 1 | ILD-375 | 1 | ILD-375 | 1 | ILD-375 | 1 | | | | |
| 2 | 2 AWG | Pink | E,A | | 3 | 1 | 1 | ILD-348 | 1 | ILD-348 | 1 | ILD-348 | 1 | ILD-348 | 1 | ILD-348 | 1 | | | | |
| 1 | 1 AWG | Gold | E,A | | 3 | 1 | 1 | ILD-471 | 1 | ILD-471 | 1 | ILD-471 | 1 | ILD-471 | 1 | ILD-471 | 1 | | | | |
| 1/0 | 1/0 AWG | Tan | A,C | | 3 | 1 | 1 | ILD-296 | 1 | ILD-296 | 1 | ILD-296 | 1 | ILD-296 | 1 | ILD-296 | 1 | | | | |
| 2/0 | 2/0 AWG | Olive | A,B | | 3 | 2 | 1 | ILD-297 | 1 ^c | ILD-297 | 1 ^c | ILD-297 | 1 ^c | ILD-297 | 1 ^c | ILD-297 | 1 ^c | | | | |
| 3/0 | 3/0 AWG | Ruby | A,A | | 3 | 2 | 1 | ILD-467 | 1 ^c | ILD-467 | 1 ^c | ILD-467 | 1 ^c | ILD-467 | 1 ^c | ILD-467 | 1 ^c | | | | |
| 4/0 | 4/0 AWG | White | | | | 2 | 1 | ILD-298 | 2 | ILD-298 | 2 | ILD-298 | 2 | ILD-298 | 2 | ILD-298 | 2 | | | | |
| 250 | 250 kcmil | Red | | | | 2 | 1 | ILD-324 | 2 | ILD-324 | 2 | ILD-324 | 2 | ILD-324 | 2 | ILD-324 | 2 | | | | |
| 300 | 300 kcmil | Blue | | | | 2 | 1 | ILD-470 | 2 | ILD-470 | 2 | ILD-470 | 2 | ILD-470 | 2 | ILD-470 | 2 | | | | |
| 350 | 350 kcmil | Brown | | | | 2 | 1 | ILD-299 | 2 | ILD-299 | 2 | ILD-299 | 2 | ILD-299 | 2 | ILD-299 | 2 | | | | |
| 400 | 400 kcmil | Green | | | | 2 | 1 | ILD-472 | 4 | ILD-472 | 4 | ILD-472 | 4 | ILD-472 | 4 | ILD-472 | 4 | | | | |
| 500 | 500 kcmil | Pink | | | | 2 ^e | 1 | ILD-300 | 4 | ILD-300 | 4 | ILD-300 | 4 | ILD-300 | 4 | ILD-300 | 4 | | | | |
| 600 | 600 kcmil | Black | | | | 2 ^e | 1 | ILD-473 | 4 | ILD-473 | 4 | ILD-473 | 4 | ILD-473 | 4 | ILD-473 | 4 | | | | |
| 700/750 | 700/750 kcmil | Yellow | | | | 2 ^e | 1 | ILD-936 | 3 | ILD-936 | 3 | ILD-936 | 3 | ILD-936 | 3 | ILD-936 | 3 | | | | |
| 700/750 ^g | 900 kcmil Compact Al | Yellow | | | | | | | | | | | | | | | | | | | |
| 1000 | 1000 kcmil | Brown | | | | | | | | | | | | | | | | | | | |

Additional Information:

- 1) The ALNS, ALND, ASNS, ASND, ALNB, ASNB, ALNN, ASNN, and ASN connectors are marked with the die numbers and required number of crimps for ILSCO hydraulic tools. When using other listed tools, consult chart for crimps required. Crimps should be evenly spaced on connector.
- 2) Consult manufacturers data for catalog numbers of dies for each tool.

^a Number of crimps shown on chart must be applied to both sides of ASN splice connector's centerline.

^b Dieless tools are not color coded and do not require dies.

^c For ASN splicer connector, apply 2 crimps on both sides of splice connector's centerline.

^d For ASN splicer connector, apply 3 crimps on both sides of splice connector's centerline.

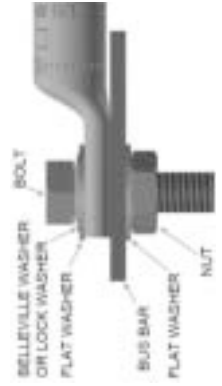
^e For ASN splicer connector, apply 4 crimps on both sides of splice connector's centerline.

^g 700/750 size lug/splice are additionally rated for use with 900 kcmil compact aluminum wire.

^h The die index of ILD-P302 is 302.

Connector Installation

1. Select proper connector for the wire size to be used. Series can be used with concentric, compressed or compact aluminum or copper wire.
2. Strip wire insulation using an approved method. Do not nick or ring the wire. Remove any major coating on the wire.
3. Remove surface oxides from the wire with a wire brush.
4. Insert wire all the way into the barrel of the connector.
5. Select the proper die for approved tool. See chart above for approved tools and dies. Compress barrel from tang toward wire, or from inside of ASN connector towards wire.
6. When terminating an aluminum connector to a steel or copper stud, use a Belleville or compression type washer in combination with a flat washer. Tighten until the Belleville washer is flat.



Tooling Information

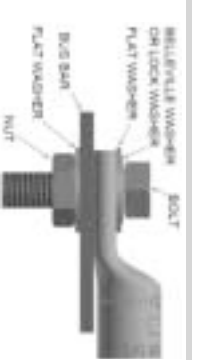
| Lug/Splice Size | Wire Size | Color Code | Die Code | Crimps | Crimps | BURNDY | | THOMAS AND BETTS | | GREENLEE | | ANDERSON | RIDGID | UTILCO | | |
|----------------------|--------------------------|------------|----------|----------------|----------------|----------|--------|------------------|--------|----------|--------|----------|--------|----------|--------|--|
| | | | | | | Die Code | Crimps | Die Code | Crimps | Die Code | Crimps | | | Die Code | Crimps | Die Code |
| 8 | 8 AWG | Blue | X8CART | 1 | 1 | U8CART | 1 | U8CART | 1 | U8CART | 1 | U8CART | 1 | U8CART | 1 | UM-4PT ^b , UR-4PT ^b , BL-4PT ^b series (Dieless) |
| 6 | 6 AWG | Gray | W161 | 1 | 1 | U6CART | 1 | U6CART | 1 | U6CART | 1 | U6CART | 1 | U6CART | 1 | UM-4U2, UR-4U2, BL-4U2 series (12-Ton Hydraulic) |
| 4 | 4 AWG | Green | W162 | 2 | 1 | U4CART | 1 | U4CART | 1 | U4CART | 1 | U4CART | 1 | U4CART | 1 | UM-4PT ^b , UR-4PT ^b , BL-4PT ^b series (Dieless) |
| 2 | 2 AWG | Pink | W239 | 2 | 1 ^c | U2CART | 1 | U2CART | 1 | U2CART | 1 | U2CART | 1 | U2CART | 1 | UM-4PT ^b , UR-4PT ^b , BL-4PT ^b series (Dieless) |
| 1 | 1 AWG | Gold | W163 | 2 | 1 ^c | U1CART | 1 | U1CART | 1 | U1CART | 1 | U1CART | 1 | U1CART | 1 | UM-4PT ^b , UR-4PT ^b , BL-4PT ^b series (Dieless) |
| 1/0 | 1/0 AWG | Tan | W241 | 2 | 1 ^c | U2SART | 1 | U2SART | 1 | U2SART | 1 | U2SART | 1 | U2SART | 1 | UM-4PT ^b , UR-4PT ^b , BL-4PT ^b series (Dieless) |
| 2/0 | 2/0 AWG | Olive | W245 | 2 | 2 | U2SART | 2 | U2SART | 2 | U2SART | 2 | U2SART | 2 | U2SART | 2 | UM-4PT ^b , UR-4PT ^b , BL-4PT ^b series (Dieless) |
| 3/0 | 3/0 AWG | Ruby | W166 | 2 | 2 | U27ART | 2 | U27ART | 2 | U27ART | 2 | U27ART | 2 | U27ART | 2 | UM-4PT ^b , UR-4PT ^b , BL-4PT ^b series (Dieless) |
| 4/0 | 4/0 AWG | White | W660 | 2 | 2 | U2SART | 2 | U2SART | 2 | U2SART | 2 | U2SART | 2 | U2SART | 2 | UM-4PT ^b , UR-4PT ^b , BL-4PT ^b series (Dieless) |
| 250 | 250 kcmil | Red | | 2 | 2 | U2SART | 2 | U2SART | 2 | U2SART | 2 | U2SART | 2 | U2SART | 2 | UM-4PT ^b , UR-4PT ^b , BL-4PT ^b series (Dieless) |
| 300 | 300 kcmil | Blue | | 2 | 2 | U3SART | 2 | U3SART | 2 | U3SART | 2 | U3SART | 2 | U3SART | 2 | UM-4PT ^b , UR-4PT ^b , BL-4PT ^b series (Dieless) |
| 350 | 350 kcmil | Brown | | 2 | 2 ^d | U31ART | 2 | U31ART | 2 | U31ART | 2 | U31ART | 2 | U31ART | 2 | UM-4PT ^b , UR-4PT ^b , BL-4PT ^b series (Dieless) |
| 400 | 400 kcmil | Green | W31ART | 3 | 2 ^e | U3ZART | 4 | U3ZART | 4 | U3ZART | 4 | U3ZART | 4 | U3ZART | 4 | UM-4PT ^b , UR-4PT ^b , BL-4PT ^b series (Dieless) |
| 500 | 500 kcmil | Pink | | 2 ^e | 1 | U34ART | 4 | U34ART | 4 | U34ART | 4 | U34ART | 4 | U34ART | 4 | UM-4PT ^b , UR-4PT ^b , BL-4PT ^b series (Dieless) |
| 600 | 600 kcmil | Black | | 2 ^e | 1 | U36ART | 4 | U36ART | 4 | U36ART | 4 | U36ART | 4 | U36ART | 4 | UM-4PT ^b , UR-4PT ^b , BL-4PT ^b series (Dieless) |
| 700/750 ^b | 700/750 kcmil compact Al | Yellow | | 2 ^e | 1 | U39ART | 4 | U39ART | 4 | U39ART | 4 | U39ART | 4 | U39ART | 4 | UM-4PT ^b , UR-4PT ^b , BL-4PT ^b series (Dieless) |
| 1000 | 1000 kcmil | Brown | | 1 ⁹ | | P44ART | 4 | | | | | | | | | UM-4PT ^b , UR-4PT ^b , BL-4PT ^b series (Dieless) |

Additional Information:

- The ALNS, ALND, ASNS, ASND, ALNB, ASNB, ALNW, ASNW, and ASN connectors are marked with the die numbers and required number of crimps for ILSCO hydraulic tools. When using other listed tools, consult chart for crimps required. Crimps should be evenly spaced on connector.
- Consult manufacturers data for catalog numbers of dies for each tool.
- Number of crimps shown on chart must be applied to both sides of ASN splice connector's centerline.
- Dieless tools are not color coded and do not require dies.
- For ASN splice connector, apply 2 crimps on both sides of splice connector's centerline.
- For ASN splice connector, apply 3 crimps on both sides of splice connector's centerline.
- For ASN splice connector, apply 4 crimps on both sides of splice connector's centerline.

Connector Installation

- Select proper connector for the wire size to be used. Series can be used with concentric, compressed or compact aluminum or copper wire.
- Strip wire insulation using an approved method. Do not nick or ring the wire. Remove any major coating on the wire.
- Remove surface oxides from the wire with a wire brush.
- Insert wire all the way into the barrel of the connector.
- Select the proper die for approved tool. See chart above for approved tools and dies. Compress barrel from tang toward wire, or from inside of ASN connector towards wire.
- When terminating an aluminum connector to a steel or copper stud, use a Belleville or compression type washer in combination with a flat washer. Tighten until the Belleville washer is flat.





Range Taking (for ILSCO, BURNDY, GREENLEE, RIDGID and UTILCO Dieless Tools)

| Lug/Splice Size | Standard Wire Size | Expanded Wire Range | ILSCO MT-25 ^b | | ILSCO IVTB-6 ^b | | ILSCO IDT-6 ^b , IDTB-6 ^b series | | ILSCO IDT-12-N ^b | | ILSCO TM-6DF1000 ^b , TR-6DF1000 ^b , TB-6DF1000 ^b series | | BURNDY Y644M ^b | | GREENLEE EK06FT ^b , HK06FT ^b , RK06FT ^b | | RIDGID RE 6 ^b | | UTILCO UM-4PT ^b , UR-4PT ^b , BLL-4PT ^b series | |
|-----------------|--------------------|------------------------|--------------------------|--------|---------------------------|--------|---|--------|-----------------------------|--------|--|--------|---------------------------|--------|--|--------|--------------------------|--------|--|--------|
| | | | Crimps | Crimps | Crimps | Crimps | Crimps | Crimps | Crimps | Crimps | Crimps | Crimps | Crimps | Crimps | Crimps | Crimps | Crimps | Crimps | Crimps | Crimps |
| 4 | 4 AWG | 4 - 6 AWG | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 AWG | 2 - 6 AWG | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1 | 1 AWG | 1 - 2 AWG | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/0 | 1/0 AWG | 1/0 - 1 AWG | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 2/0 | 2/0 AWG | 2/0 - 1 AWG | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 3/0 | 3/0 AWG | 3/0 - 1 AWG | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 4/0 | 4/0 AWG | 4/0 - 1 AWG | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 250 | 250 kcmil | 250 kcmil - 1/0 AWG | | | | | | | | | | | | | | | | | | |
| 300 | 300 kcmil | 300 kcmil - 2/0 AWG | | | | | | | | | | | | | | | | | | |
| 350 | 350 kcmil | 350 kcmil - 3/0 AWG | | | | | | | | | | | | | | | | | | |
| 400 | 400 kcmil | 400 kcmil - 4/0 AWG | | | | | | | | | | | | | | | | | | |
| 500 | 500 kcmil | 500 kcmil - 4/0 AWG | | | | | | | | | | | | | | | | | | |
| 600 | 600 kcmil | 600 kcmil - 250 kcmil | | | | | | | | | | | | | | | | | | |
| 700/750 | 700/750 kcmil | 750 kcmil - 500 kcmil | | | | | | | | | | | | | | | | | | |
| 1000 | 1000 kcmil | 1000 kcmil - 750 kcmil | | | | | | | | | | | | | | | | | | |

^a Number of crimps shown on chart must be applied to both sides of ASN splice connector's centerline.
^b Dieless tools are not color coded and do not require dies.
^c For ASN splicer connectors, apply 2 crimps on both sides of splice connector's centerline.
^d For ASN splicer connectors, apply 3 crimps on both sides of splice connector's centerline.
^e For ASN splicer connectors, apply 4 crimps on both sides of splice connector's centerline.
^f ASN-1000 splicer connector is NOT UL listed or CSA certified with Y644M dieless tools.

Information Sheet

Series CS, CL Compression Connectors

for Class B/C Copper Wire Only (CU9)

| Lug Size | Standard Wire Size (AWG) | Expanded Wire Range (AWG) | ILSCO | | KST | | Burndy | | | | | | T&B | | | | Panduit | |
|----------|--------------------------|---------------------------|---------------------------|--------|---------------|--------|----------|--------|-----------|--------|----------|--------|------------------|--------|-------------------------|--------|----------|--------|
| | | | ILST-22K with die "D1322" | | KST2000D-1322 | | Y8MRB-1 | | MRE1022B* | | MR 20 | | ERG2002, ERG4002 | | BAT22-6 with die "2002" | | CT-1570 | |
| | | | Die Nest | Crimps | Die Nest | Crimps | Die Nest | Crimps | Die Nest | Crimps | Die Nest | Crimps | Die Nest | Crimps | Die Nest | Crimps | Die Nest | Crimps |
| 10 | 10 Sol/Str | 10-14 Str 10-14 Sol | 12-10 | 1 | 12-10 | 1 | 10 | 1 | 12-10 | 1 | 12-10 | 1 | C | 1 | C | 1 | 12-10 | 1 |

* Expanded Wire Range using Burndy MRE1022B is 10-12 Sol/Str

Additional Information

1. UL Listed to Category ZMVV and complimentary listed to category KDER when installed with the above listed tools
2. Recommended Strip Length = Barrel Length + 1/16 inch

Specialty

| | | | | |
|--|---|--|--|---|
| <p>C</p>  <p>498</p> | <p>M</p>  <p>499</p> | <p>M</p>  <p>500</p> | <p>D167</p>  <p>501</p> | <p>CAN</p>  <p>N-174</p>  <p>502</p> |
| <p>NB</p>  <p>503</p> | <p>DE-OX</p>  <p>504</p> | <p>DUCT SEAL</p>  <p>505</p> | <p>NBW</p>  <p>506</p> | |
| <p>Cable Ties</p>  <p>507 - 511</p> | | <p>WT, TM</p>  <p>512</p> | | <p>SSWC</p>  <p>513</p> |
| <p>NWC</p>  <p>514</p> | <p>WM-B</p>  <p>515</p> | | <p>WM</p>  <p>516 - 518</p> | |
| <p>Surge Protective Device Series RE - Residential</p>  <p>519</p> | <p>Surge Protective Device Series SE - Service Entrance</p>  <p>520 - 521</p> | | <p>Surge Protective Device Series XE - Commercial & Industrial</p>  <p>522 - 523</p> | |

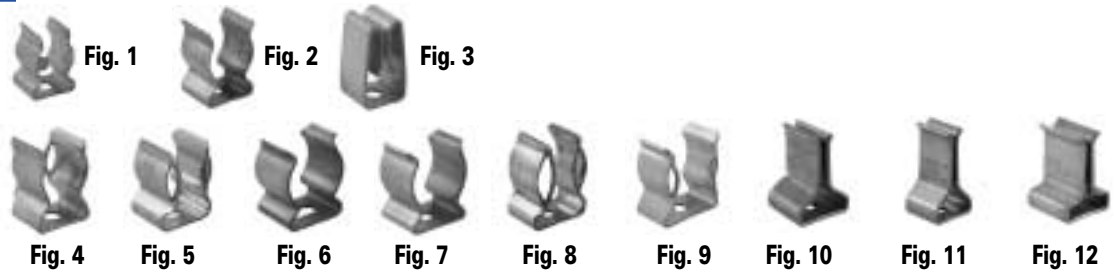
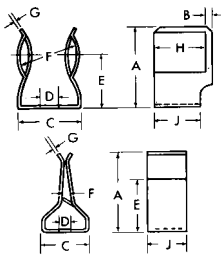
TYPE C

Features

- Manufactured from special bronze alloy except 100 and 200 amp styles. Arched bottoms
- All formed corners are designed with a radius

Benefits

- Spring type material ensures positive contact. Provide firm and secure mounting, and prevents expansion after fuse is inserted.
- Prevents fracturing



| Catalog Number | Figure Number | Amp-Volts | Dimensions | | | | | | | | | |
|----------------|---------------|-------------|------------|------|-------|-----------|---------|---------|--------|------|-------|-------|
| | | | A | B | C | Bolt Size | D | E | F | G | H | J |
| C-10 | 1 | 30-250 | 7/8 | 3/64 | 19/32 | #10 | 13/64 | 17/32 | 9/16 | 1/32 | 19/32 | 1/2 |
| C-11 | 4 | 60-250 | 1-1/8 | 1/16 | 51/64 | #10 | 15/64 | 51/64 | 13/16 | 3/64 | 21/32 | 5/8 |
| C-12 | 5 | 60-250 | 1-1/8 | 1/16 | 13/16 | #8 | 3/16 | 47/64 | 13/16 | 3/64 | 21/32 | 5/8 |
| C-13 | 9 | 60-600 | 1-9/32 | 1/16 | 1-1/8 | 1/4 | 17/64 | 13/16 | 1-1/16 | 3/64 | 21/32 | 5/8 |
| C-14 | 6 | 60-350 | 1 | - | 51/64 | * | * | 5/8 | 13/16 | 3/64 | - | 5/8 |
| C-15 | 7 | 60-250 | 1-1/32 | - | 51/64 | #10 | 13/64 | 5/8 | 13/16 | 3/64 | - | 5/8 |
| C-16 | 11 | 100-250 | 1-43/64 | - | 29/32 | 1/4 | 17/64 | 1-11/64 | 1/8 | 5/64 | - | 7/8 |
| C-17 | 10 | 100-250 | 1-23/64 | - | 15/16 | 1/4 | 17/64 | 57/64 | 1/8 | 5/64 | - | 7/8 |
| C-19 | 2 | 30-250 | 7/8 | - | 39/64 | #8 | 11/64** | 17/32 | 9/16 | 1/32 | - | 1/2 |
| C-23 | 8 | 60-600 | 1-5/16 | 1/16 | 31/32 | #8 | 3/16 | 29/32 | 1-1/16 | 3/64 | 21/32 | 23/32 |
| C-24 | 12 | 200-250/600 | 1-15/16 | - | 1-1/4 | 5/16 | 11/32 | 1-1/8 | 3/16 | 3/32 | - | 1-1/4 |
| C-28 | 3 | 50-250 | 61/64 | - | 1/2 | #8 | 3/16 | 23/32 | 7/64 | 3/64 | - | 1/2 |

** Stud hole center 9/32 from one side and 7/32 from other side.

* Slotted 13/64 x 13/32.

K

**TYPE
M**

Features

- Manufactured from copper alloy
- Supplied with permanently installed steel spring
- Spring is heat treated and plated

Benefits

- Ensures high conductivity
- Ensures tighter grip and positive contact with either knife or ferrule type fuses.
- Prevents hydrogen embrittlement

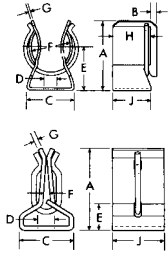


Fig. 1



Fig. 2

| Catalog Number | Figure Number | Amp-Volts | Dimensions | | | | | | | | | |
|----------------|---------------|-------------|------------|------|-------|-----------|-------------|-------|--------|------|-------|-------|
| | | | A | B | C | Bolt Size | D | E | F | G | H | J |
| M-161 | 1 | 30-250 | 27/32 | 1/16 | 19/32 | #10 | 13/64 | 17/32 | 9/16 | 1/32 | 17/32 | 1/2 |
| M-162 | 1 | 30-600 | 1-1/32 | 1/16 | 3/4 | 1/4 | 1/4 | 21/32 | 13/16 | 1/32 | 17/32 | 1/2 |
| M-163 | 1 | 60-250 | 1-13/64 | 1/16 | 51/64 | #10 | 7/32 | 51/64 | 13/16 | 3/64 | 21/32 | 21/32 |
| M-164 | 1 | 60-600 | 1-3/8 | 1/16 | 31/32 | #8 | 3/16 | 29/32 | 1-1/16 | 3/64 | 21/32 | 5/8 |
| M-165 | 2 | 100-250/600 | 1-23/64 | - | 29/32 | 1/4 | 17/64-Slot | - | 1/8 | 5/64 | - | 7/8 |
| M-233 | 2 | 200-250/600 | 1-15/16 | - | 1-1/4 | 5/16 | 11/32-Slot | - | 3/16 | 3/32 | - | 1-1/4 |
| M-628 | 2 | 400-600 | 2-7/16 | - | 1-1/2 | - | 5/16-18 (2) | - | 1/4 | 1/8 | - | 1-3/4 |

TYPE M

Features

- Manufactured from copper alloy
- Supplied with permanently installed steel spring
- Spring is heat treated and plated
- Supplied with a slot or a hole for a steel rejection device.
- Electro-tin plated

Benefits

- Ensures high conductivity
- Ensures tighter grip and positive contact with either knife or ferrule type fuses.
- Prevents hydrogen embrittlement
- Prevents the insertion of any other type fuse except class R
- Provides low contact resistance

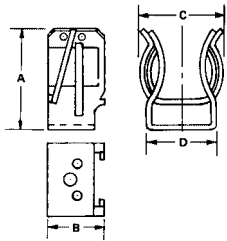


Fig. 1



Fig. 2

| Catalog Number | Figure Number | Amp-Volts | Dimensions | | | |
|----------------|---------------|-------------|------------|-------|--------|---------|
| | | | A | B | C | D |
| M-2432 | 1 | 30-250 | 7/8 | 19/32 | 21/32 | 19/32 |
| M-2433 | 1 | 60-250 | 1.200 | 23/32 | 59/64 | 51/64 |
| M-2434 | 1 | 30-600 | 1-1/32 | 19/32 | 59/64 | 3/4 |
| M-2435 | 1 | 60-600 | 1.390 | 23/32 | 1-5/64 | 31/32 |
| M-2398 | 2 | 100-250/600 | 1-23/64 | 7/8 | 1/8 | 29/32 |
| M-2399 | 2 | 200-250/600 | 1-15/16 | 1-1/4 | 3/16 | 1-15/64 |

UL File E58652

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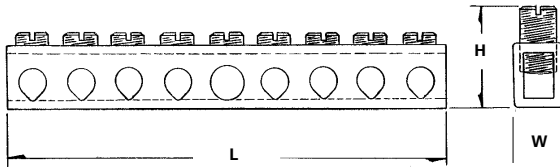
TYPE D167

Features

- Manufactured from high strength copper tubing
- Range taking
- UL Recognized for 600 volts

Benefits

- Provides maximum conductivity
- A wide range of conductor sizes can be used in the same connector
- Ensures reliability for copper conductor



| Catalog Number | Number Of Taps | Wire Range | | Dimensions | | | | | Mounting Hole Positions | |
|----------------|----------------|------------|------|------------|--------------------------|-------|-----------|--------------------|--|------------------------|
| | | Main | Tap | L | Height With Maximum Wire | W | Bolt Size | Two Mounting Holes | From End Of Bar To First Mounting Hole | Distance Between Holes |
| D167-4 | 4 | 4-14 | 6-14 | 2-3/4 | 3/4 | 11/32 | #10 | 13/64 | .581 (2nd hole) | 1.98 |
| D167-6 | 6 | 4-14 | 6-14 | 3-1/2 | 3/4 | 11/32 | #10 | 13/64 | .978 (3rd hole) | 1.98 |
| D167-8 | 8 | 4-14 | 6-14 | 4-7/16 | 3/4 | 11/32 | #10 | 13/64 | 1.375 (4th hole) | 1.98 |
| D167-10 | 10 | 4-14 | 6-14 | 5-1/8 | 3/4 | 11/32 | #10 | 13/64 | 1.772 (5th hole) | 1.98 |
| D167-12 | 12 | 4-14 | 6-14 | 5-15/16 | 3/4 | 11/32 | #10 | 13/64 | 2.169 (6th hole) | 1.98 |
| D167-14 | 14 | 4-14 | 6-14 | 6-23/32 | 3/4 | 11/32 | #10 | 13/64 | 2.566 (7th hole) | 1.98 |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B and UL 467, UL File E6207

TYPE CAN

Features

- Manufactured from high strength copper tubing
- Compact design
- Range taking
- Circuit bars inserted at a 20 angle
- Copper conductor only

Benefits

- Provides maximum conductivity
- Up to 42 circuit taps can be made in just 5 1/2" of space
- A wide range of conductor sizes can be used in the same connector
- Provides easy wire insertion



Fig. 1

Fig. 2

Fig. 3

Fig. 4

| Catalog Number | Figure Number | Number Of Taps | Wire Range | | Dimensions | | | |
|----------------|---------------|--|------------|------|------------|--------------------------|---------|---------------------------|
| | | | Main | Tap | L | Height With Maximum Wire | W | Two Tapped Mounting Holes |
| CAN-300 | 1 | 24 | 250kcmil-6 | 6-14 | 2-5/16 | 1-5/16 | 5-1/8 | 10-32 |
| CAN-301 | 1 | 30 | 250kcmil-6 | 6-14 | 3 | 1-5/16 | 4-13/32 | 10-32 |
| CAN-302 | 1 | 36 | 250kcmil-6 | 6-14 | 3 | 1-5/16 | 5-1/8 | 10-32 |
| CAN-303 | 1 | 42 | 250kcmil-6 | 6-14 | 3 | 1-7/16 | 5-1/2 | 10-32 |
| R-16 | 2 | Mounting block of general purpose (phenolic black) suitable for mounting any of CAN Neutrals. 2-1/2" wide x 2-1/2" long x 1" thick. | | | | | | |
| E-223 | 3 | 10-32 x 1/2" round head steel machine screws for fastening neutrals to mounting blocks. (Use lock washer to provide rigid assembly.) | | | | | | |
| E-153 | 3 | 1/4-28 wire pressure screw 7/16" long. Screw is steel, zinc plated and chromate dipped. | | | | | | |
| N-174‡ | 4 | Supplied in 5' 9" lengths. Approximately 174 outlets. Wire range 14-6. | | | | | | |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Tested to UL 486A/B, UL File E6207

‡ Tested to UL 486A/B and UL 467, UL File E6207

K

TYPE NB

Features

- Preassembled, stacked neutral bars
- Available with phenolic base
- Electro-tin plated
- Fabricated from high strength 6061-T6 aluminum alloy

Benefits

- Compact, space saving design offers multiple range taking flexibility and is suitable for grounding applications
- Provides insulation from mounting surface
- Provides low contact resistance
- Suitable for use with either copper or aluminum conductors

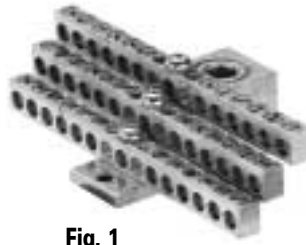
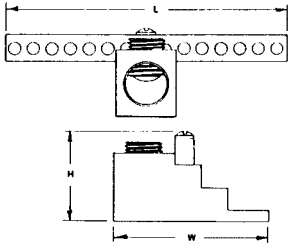


Fig. 1



Fig. 2

| Catalog Number | Figure Number | Number Of Circuit Taps | Wire Range | | Dimensions | | | Two Tapped Mounting Holes | Hex Size | |
|------------------|---------------|------------------------|--------------|------------|-------------------------------|---------|---------|---------------------------|----------|------|
| | | | Circuit Taps | Line Loads | Approx. Height with Max. Wire | L | W | | Main | Tap |
| NB-350-12 | 1 | 12 | 14-4 | 350kcmil-6 | 1-17/32 | 4-23/32 | 2-17/32 | 10-32 | 3/8 | Slot |
| NB-350-12-W/R16* | 2 | 12 | 14-4 | 350kcmil-6 | 2-17/32 | 4-23/32 | 2-17/32 | 10-32 | 3/8 | Slot |
| NB-350-24 | 1 | 24 | 14-4 | 350kcmil-6 | 1-17/32 | 4-23/32 | 2-17/32 | 10-32 | 3/8 | Slot |
| NB-350-24-W/R16* | 2 | 24 | 14-4 | 350kcmil-6 | 2-17/32 | 4-23/32 | 2-17/32 | 10-32 | 3/8 | Slot |
| NB-350-30 | 1 | 30 | 14-4 | 350kcmil-6 | 1-17/32 | 4-3/32 | 2-17/32 | 10-32 | 3/8 | Slot |
| NB-350-30-W/R16* | 2 | 30 | 14-4 | 350kcmil-6 | 2-17/32 | 4-3/32 | 2-17/32 | 10-32 | 3/8 | Slot |
| NB-350-36 | 1 | 36 | 14-4 | 350kcmil-6 | 1-17/32 | 4-23/32 | 2-17/32 | 10-32 | 3/8 | Slot |
| NB-350-36-W/R16* | 2 | 36 | 14-4 | 350kcmil-6 | 2-17/32 | 4-23/32 | 2-17/32 | 10-32 | 3/8 | Slot |
| NB-350-42 | 1 | 42 | 14-4 | 350kcmil-6 | 1-17/32 | 5-11/32 | 2-17/32 | 10-32 | 3/8 | Slot |
| NB-350-42-W/R16* | 2 | 42 | 14-4 | 350kcmil-6 | 2-17/32 | 5-11/32 | 2-17/32 | 10-32 | 3/8 | Slot |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* Part includes phenolic mounting block R-16

Tested to UL 486A/B, UL File E6207

TYPE DE-OX®

ILSCO Oxide inhibitor is available in three different formulas: NON-GRIT, ZINC, COPPER. Oxide Inhibitor is applied to the connector prior to inserting the wire conductor, providing an air-tight seal around the conductor, preventing oxides from forming. All three formulas are available in a variety of package sizes.

- NON-GRIT - ILSCO DE-OX series is suitable for aluminum or copper terminations.
- ZINC - ILSCO DE-OX-Z series contains flecks of zinc providing improved pull-out strength and reduced operating temperatures for aluminum or copper terminations.
- COPPER - ILSCO DE-OX-C series contains flecks of copper providing improved pull-out strength and reduced operating temperatures for copper terminations.



| NON-GRIT Catalog Number | Container Size & Type | Packaging |
|----------------------------|-----------------------|-------------------------------|
| DE-OX -5CC | 5cc Packet | Display Carton of 150 |
| DE-OX-5CC-B4 | 5cc Packet | 4 Per Bag, 25 Bags Per Carton |
| DE-OX-1OZ | 1 oz. Tube | Display Carton of 50 |
| DE-OX-4OZ | 4 oz. Bottle | Display Carton of 12 |
| DE-OX-8OZ | 8 oz. Bottle | Display Carton of 12 |
| DE-OX-1GAL | 1 Gallon Can | 1 Can |
| DE-OX-5GAL | 5 Gallon Bucket | 1 Bucket |
| UDE-OX-V-4OZ*+ | 4 oz. Bottle | Display Carton of 12 |
| UDE-OX-V-8OZ*+ | 8 oz. Bottle | Display Carton of 12 |
| ZINC Catalog Number | Container Size & Type | Packaging |
| DE-OX-Z-5CC | 5cc Packet | Display Carton of 150 |
| DE-OX-Z-1OZ | 1 oz. Tube | Display Carton of 50 |
| DE-OX-Z-4OZ | 4 oz. Bottle | Display Carton of 12 |
| DE-OX-Z-8OZ | 8 oz. Bottle | Display Carton of 12 |
| DE-OX-Z-1GAL | 1 Gallon Can | 1 Can |
| DE-OX-Z-5GAL | 5 Gallon Bucket | 1 Bucket |
| COPPER Catalog Number | Container Size & Type | Packaging |
| DE-OX-C-5CC | 5cc Packet | Display Carton of 150 |
| DE-OX-C-1OZ | 1 oz. Tube | Display Carton of 50 |
| DE-OX-C-4OZ | 4 oz. Bottle | Display Carton of 12 |
| DE-OX-C-8OZ | 8 oz. Bottle | Display Carton of 12 |
| DE-OX-C-1GAL | 1 Gallon Can | 1 Can |
| DE-OX-C-5GAL | 5 Gallon Bucket | 1 Bucket |

* V denotes synthetic base, chalk color, doesn't stain blankets, etc.

+ Not UL Listed
UL File E312012

K

**TYPE
DS**

Features

- Available in 1 LB and 5 LB packages
- Remains pliable
- Non-corrosive
- Can be painted immediately

Benefits

- Provides convenience of selecting the right size for the job
- Will not dry out, crack and fall out of installation
- Will not irritate skin, or corrode metals, or have harmful effects on plastics
- No need to wait for product to dry



**Catalog
Number**

DS-1
DS-5

Packaging

10 1 lb. bags
5 5 lb. bags

TYPE
NBW

Features

- Individually packaged
- Aluminum nut and bolt
- Belleville washer

Benefits

- All components for mounting one connector are kept together to avoid mismatched hardware
- Provides consistent and even thermal expansion and contraction to prevent loosening of mounting hardware due to heat cycling
- Maintains tension on connection through thermal expansion and contraction



| Catalog Number | Bolt Size | Bolt Length | Included In Kit |
|----------------|-----------|-------------|---|
| NBW-38-125 | 3/8-16 | 1-1/4 | Aluminum Nut, Stainless Steel Belleville Washer, Aluminum Flat Washer, Stainless Steel Flat Washer, Aluminum Bolt |
| NBW-50-150 | 1/2-13 | 1-1/2 | Aluminum Nut, Stainless Steel Belleville Washer, Aluminum Flat Washer, Stainless Steel Flat Washer, Aluminum Bolt |
| NBW-50-200 | 1/2-13 | 2 | Aluminum Nut, Stainless Steel Belleville Washer, Aluminum Flat Washer, Stainless Steel Flat Washer, Aluminum Bolt |
| NBW-50-250 | 1/2-13 | 2-1/2 | Aluminum Nut, Stainless Steel Belleville Washer, Aluminum Flat Washer, Stainless Steel Flat Washer, Aluminum Bolt |
| NBW-58-250 | 5/8-11 | 2-1/2 | Aluminum Nut, Stainless Steel Belleville Washer, Aluminum Flat Washer, Stainless Steel Flat Washer, Aluminum Bolt |
| NBW-58-300 | 5/8-11 | 3 | Aluminum Nut, Stainless Steel Belleville Washer, Aluminum Flat Washer, Stainless Steel Flat Washer, Aluminum Bolt |

K

TYPE TIES

Features

- Quick & Easy
- Strong & Flexible
- Nylon 6/6
- Plenum rated

Benefits

- Can accommodate .75" to 15" bundle diameter
- Tensile strengths from 18 lbs to 250 lbs
- Resists weather & chemicals
- Application versatility



Heavy Duty Cable Ties

| Catalog Number | Length | Width | Color | Tensile Strength | Bundle Diameter | Bag Qty |
|----------------|--------|-------|----------|------------------|-----------------|---------|
| 93180 | 25.0 | 0.35 | NATURAL | 175 LBS. | 7.0 | 50 |
| 93280 | 25.0 | 0.35 | UV BLACK | 175 LBS. | 7.0 | 50 |
| 93195 | 36.5 | 0.35 | NATURAL | 175 LBS. | 10.7 | 50 |
| 93295 | 36.5 | 0.35 | UV BLACK | 175 LBS. | 10.7 | 50 |
| 93199 | 48.0 | 0.35 | NATURAL | 175 LBS. | 15.0 | 50 |
| 93299 | 48.0 | 0.35 | UV BLACK | 175 LBS. | 15.0 | 50 |

Super Heavy Duty Cable Ties

| Catalog Number | Length | Width | Color | Tensile Strength | Bundle Diameter | Bag Qty |
|----------------|--------|-------|----------|------------------|-----------------|---------|
| 93190 | 22.0 | 0.50 | NATURAL | 250 LBS. | 6.0 | 100 |
| 93290 | 22.0 | 0.50 | UV BLACK | 250 LBS. | 6.0 | 100 |
| 93196 | 34.0 | 0.50 | NATURAL | 250 LBS. | 10.1 | 50 |
| 93296 | 34.0 | 0.50 | UV BLACK | 250 LBS. | 10.1 | 50 |

TYPE TIES

Features

- Quick & Easy
- Strong & Flexible
- Nylon 6/6
- Plenum rated

Benefits

- Can accommodate .75" to 15" bundle diameter
- Tensile strengths from 18 lbs to 250 lbs
- Resists weather & chemicals
- Application versatility

K



Standard Cable Ties

| Catalog Number | Length | Width | Color | Tensile Strength | Bundle Diameter | Bag Qty |
|----------------|--------|-------|----------|------------------|-----------------|---------|
| 93110 | 4.0 | 0.10 | NATURAL | 18 LBS. | .75 | 100 |
| 93110M | 4.0 | 0.10 | NATURAL | 18 LBS. | .75 | 1000 |
| 93210 | 4.0 | 0.10 | UV BLACK | 18 LBS. | .75 | 100 |
| 93210M | 4.0 | 0.10 | UV BLACK | 18 LBS. | .75 | 1000 |
| 93120 | 5.7 | 0.14 | NATURAL | 40 LBS. | 1.25 | 100 |
| 93120M | 5.7 | 0.14 | NATURAL | 40 LBS. | 1.25 | 1000 |
| 93220 | 5.7 | 0.14 | UV BLACK | 40 LBS. | 1.25 | 100 |
| 93220M | 5.7 | 0.14 | UV BLACK | 40 LBS. | 1.25 | 1000 |
| 93130 | 8 | 0.19 | NATURAL | 50 LBS. | 2.0 | 100 |
| 93130M | 8 | 0.19 | NATURAL | 50 LBS. | 2.0 | 1000 |
| 93230 | 8 | 0.19 | UV BLACK | 50 LBS. | 2.0 | 100 |
| 93230M | 8 | 0.19 | UV BLACK | 50 LBS. | 2.0 | 1000 |
| 93150 | 11.8 | 0.19 | NATURAL | 50 LBS. | 3.0 | 100 |
| 93150M | 11.8 | 0.19 | NATURAL | 50 LBS. | 3.0 | 1000 |
| 93250 | 11.8 | 0.19 | UV BLACK | 50 LBS. | 3.0 | 100 |
| 93250M | 11.8 | 0.19 | UV BLACK | 50 LBS. | 3.0 | 1000 |
| 93160 | 14.6 | 0.19 | NATURAL | 50 LBS. | 4.0 | 100 |
| 93160M | 14.6 | 0.19 | NATURAL | 50 LBS. | 4.0 | 1000 |
| 93260 | 14.6 | 0.19 | UV BLACK | 50 LBS. | 4.0 | 100 |
| 93260M | 14.6 | 0.19 | UV BLACK | 50 LBS. | 4.0 | 1000 |
| 93170 | 14.5 | 0.30 | NATURAL | 120 LBS. | 4.0 | 100 |
| 93170D | 14.5 | 0.30 | NATURAL | 120 LBS. | 4.0 | 500 |
| 93270 | 14.5 | 0.30 | UV BLACK | 120 LBS. | 4.0 | 100 |
| 93270D | 14.5 | 0.30 | UV BLACK | 120 LBS. | 4.0 | 500 |
| 93185 | 28 | 0.30 | NATURAL | 120 LBS. | 8.0 | 50 |
| 93185D | 28 | 0.30 | NATURAL | 120 LBS. | 8.0 | 500 |
| 93285 | 28 | 0.30 | UV BLACK | 120 LBS. | 8.0 | 50 |
| 93285D | 28 | 0.30 | UV BLACK | 120 LBS. | 8.0 | 500 |

Cable Ties

Mounting Head, Push Mount, Releasable

K

TYPE TIES

Features

- Quick & Easy
- Strong & Flexible
- Nylon 6/6
- Plenum rated

Benefits

- Can accommodate .75" to 15" bundle diameter
- Tensile strengths from 18 lbs to 250 lbs
- Resists weather & chemicals
- Application versatility



Mounting Head Cable Ties

| Catalog Number | Length | Width | Bolt Size | Color | Tensile Strength | Bundle Diameter | Bag Qty |
|----------------|--------|-------|-----------|----------|------------------|-----------------|---------|
| 93310 | 4.5 | .10 | #4 | NATURAL | 18 LBS. | .62 | 100 |
| 93410 | 4.5 | .10 | #4 | UV BLACK | 18 LBS. | .62 | 100 |
| 93320 | 5.9 | .14 | #8 | NATURAL | 40 LBS. | 1.25 | 100 |
| 93420 | 5.9 | .14 | #10 | UV BLACK | 40 LBS. | 1.25 | 100 |
| 93340 | 8 | .19 | #10 | NATURAL | 50 LBS. | 2 | 100 |
| 93440 | 8 | .19 | #10 | UV BLACK | 50 LBS. | 2 | 100 |
| 93350 | 12.6 | .19 | #10 | NATURAL | 50 LBS. | 3 | 100 |
| 93450 | 12.6 | .19 | #10 | UV BLACK | 50 LBS. | 3 | 100 |
| 93380 | 15 | .19 | #10 | NATURAL | 50 LBS. | 4 | 100 |
| 93480 | 15 | .19 | #10 | UV BLACK | 50 LBS. | 4 | 100 |
| 93390 | 15 | .30 | #10 | NATURAL | 120 LBS. | 4 | 100 |
| 93490* | 15 | .30 | #10 | UV BLACK | 120 LBS. | 4 | 100 |

Push Mount Cable Ties

| Catalog Number | Length | Width | Color | Tensile Strength | Bundle Diameter | Bag Qty |
|----------------|--------|-------|----------|------------------|-----------------|---------|
| 93345 | 7.9 | .19 | NATURAL | 50 LBS. | 2 | 100 |
| 93445* | 7.9 | .19 | UV BLACK | 50 LBS. | 2 | 100 |

Releasable Cable Ties

| Catalog Number | Length | Width | Color | Tensile Strength | Bundle Diameter | Bag Qty |
|----------------|--------|-------|----------|------------------|-----------------|---------|
| 93620 | 5.9 | .30 | NATURAL | 50 LBS. | 1.2 | 100 |
| 93720 | 5.9 | .30 | UV BLACK | 50 LBS. | 1.2 | 100 |
| 93640 | 7.8 | .30 | NATURAL | 50 LBS. | 2 | 100 |
| 93740* | 7.8 | .30 | UV BLACK | 50 LBS. | 2 | 100 |
| 93650 | 10.5 | .30 | NATURAL | 50 LBS. | 3 | 100 |
| 93750 | 10.5 | .30 | UV BLACK | 50 LBS. | 3 | 100 |

* Not plenum rated

TYPE TIES

Features

- Quick & Easy
- Strong & Flexible
- Nylon 6/6
- Plenum

Benefits

- Can accommodate .75" to 15" bundle diameter
- Tensile strengths from 18 lbs to 250 lbs
- Resists weather & chemicals
- Application versatility



Colored Cable Ties



| Catalog Number | Length | Width | Color | Tensile Strength | Bundle Diameter | Bag Qty |
|----------------|--------|-------|--------|------------------|-----------------|---------|
| 93110-R | 4.0 | 0.10 | RED | 18 LBS. | .75 | 100 |
| 93230-R | 8 | 0.19 | RED | 50 LBS. | 2.0 | 100 |
| 93110-GR | 4.0 | 0.10 | GREEN | 18 LBS. | .75 | 100 |
| 93230-GR | 8 | 0.19 | GREEN | 50 LBS. | 2.0 | 100 |
| 93110-Y | 4.0 | 0.10 | YELLOW | 18 LBS. | .75 | 100 |
| 93230-Y | 8 | 0.19 | YELLOW | 50 LBS. | 2.0 | 100 |
| 93110-BL | 4.0 | 0.10 | BLUE | 18 LBS. | .75 | 100 |
| 93230-BL | 8 | 0.19 | BLUE | 50 LBS. | 2.0 | 100 |
| 93110-OR | 4.0 | 0.10 | ORANGE | 18 LBS. | .75 | 100 |
| 93230-OR | 8 | 0.19 | ORANGE | 50 LBS. | 2.0 | 100 |

Stainless Steel Cable Ties

| Catalog Number | Length | Width | Color | Tensile Strength | Bundle Diameter | Bag Qty |
|----------------|--------|-------|--------------------|------------------|-----------------|---------|
| 93804 | 8 | .18 | SS Steel (302/304) | 100 | 2 | 100 |
| 93808 | 14 | .18 | SS Steel (302/304) | 100 | 4 | 100 |
| 93812 | 20 | .18 | SS Steel (302/304) | 100 | 6 | 100 |
| 93805 | 8 | .30 | SS Steel (302/304) | 250 | 2 | 100 |
| 93809 | 14 | .30 | SS Steel (302/304) | 250 | 4 | 100 |
| 93813 | 26 | .30 | SS Steel (302/304) | 250 | 8 | 100 |

Cable Ties

Mounting Bases, Installation Tool, Kit

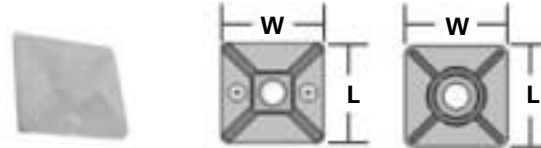
K TYPE TIES

Features

- Quick & Easy
- Strong & Flexible
- Nylon 6/6
- Adhesive backed mounting bases
- Plenum rated

Benefits

- Can accommodate .75" to 15" bundle diameter
- Tensile strengths from 18 lbs to 250 lbs
- Resists weather & chemicals
- Easy Installation
- Application versatility



Mounting Bases

| Catalog Number | Length | Width | Height | Color | Bolt Size | Slot Size | Bag Qty |
|----------------|--------|-------|--------|----------|-----------|-----------|---------|
| 93511 | .75 | .75 | .205 | NATURAL | #6 | .05 | 100 |
| 93513 | .75 | .75 | .205 | UV BLACK | #6 | .05 | 100 |
| 93510 | 1.0 | 1.0 | .215 | NATURAL | #8 | .07 | 100 |
| 93512 | 1.0 | 1.0 | .215 | UV BLACK | #8 | .07 | 100 |
| 93514 | 2.0 | 2.0 | .300 | NATURAL | #6 & #8 | .30 | 100 |
| 93515 | 2.0 | 2.0 | .300 | UV BLACK | #6 & #8 | .30 | 100 |

Cable Tie Installation Tool

| Catalog Number | Color | Description |
|----------------|-------|--|
| 94400 | RED | Installation and cutoff tool for standard cable ties 18-50 lbs |

Cable Tie Kit

| Catalog Number | Qty | Kit Includes |
|----------------|-----|------------------------------------|
| 93403 | 1 | 94400 Cable Tie Installation Tool |
| | 50 | 93230 8 UV Black 50 LB Cable Ties |
| | 100 | 93120 5.7 Natural 40 LB Cable Ties |
| | 10 | 93510 1 X 1 Natural Mounting Bases |



TYPE WT TM

Features

- Manufactured from Nylon 66
- Available in UV Black
- Accepts .87" - 14.65" bundle diameter
- Tensile strength from 18 to 175 lbs.
- Permanently holds cable bundle without slippage
- One piece construction
- -40 to +185° F operating temperature range
- UL Listed, Type 21 rated
- Adhesive backed mounting bases – Type TM
- Cable tie mounts accommodate common mounting hardware
- Plenum rated

Benefits

- Resists chemicals
- Resists weather and ultraviolet light
- Versatility
- Strong and Flexible
- Self-Locking
- Precise shape for consistent performance and reliability
- Reliable in extreme temperature conditions
- Qualified positioning device
- Easy peel and stick installation
- For more stringent loading situations or difficult to adhere surfaces
- Application versatility

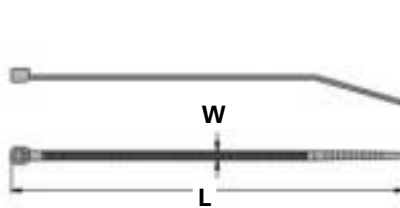


Fig. 1

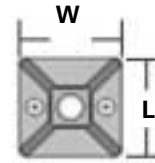


Fig. 2

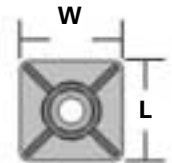


Fig. 3

| Catalog Number | Figure Number | Color | Tensile Strength (lbs.) | Dimensions - in. (mm) | | | | Max Bundle Diameter - in (mm) | |
|----------------|---------------|----------|-------------------------|-----------------------|----------|-------|-------|-------------------------------|---------|
| | | | | L | | W | | | |
| WT-040-018-N | 1 | Natural | 18 | 3.937 | (100.0) | 0.098 | (2.5) | 0.866 | (22.0) |
| WT-055-040-N | 1 | Natural | 40 | 5.591 | (142.0) | 0.126 | (3.2) | 1.339 | (34.0) |
| WT-075-050-N | 1 | Natural | 50 | 7.480 | (190.0) | 0.189 | (4.8) | 1.929 | (49.0) |
| WT-110-050-N | 1 | Natural | 50 | 11.024 | (280.0) | 0.189 | (4.8) | 3.031 | (77.0) |
| WT-145-050-N | 1 | Natural | 50 | 14.488 | (368.0) | 0.189 | (4.8) | 4.134 | (105.0) |
| WT-170-050-N | 1 | Natural | 50 | 17.008 | (432.0) | 0.189 | (4.8) | 4.921 | (125.0) |
| WT-240-175-N | 1 | Natural | 175 | 24.016 | (610.0) | 0.354 | (9.0) | 6.969 | (177.0) |
| WT-360-175-N | 1 | Natural | 175 | 35.984 | (914.0) | 0.354 | (9.0) | 10.827 | (275.0) |
| WT-480-175-N | 1 | Natural | 175 | 47.992 | (1219.0) | 0.354 | (9.0) | 14.646 | (372.0) |
| WT-040-018-B | 1 | UV Black | 18 | 3.937 | (100.0) | 0.098 | (2.5) | 0.866 | (22.0) |
| WT-055-040-B | 1 | UV Black | 40 | 5.591 | (142.0) | 0.126 | (3.2) | 1.339 | (34.0) |
| WT-075-050-B | 1 | UV Black | 50 | 7.480 | (190.0) | 0.189 | (4.8) | 1.929 | (49.0) |
| WT-110-050-B | 1 | UV Black | 50 | 11.024 | (280.0) | 0.189 | (4.8) | 3.031 | (77.0) |
| WT-145-050-B | 1 | UV Black | 50 | 14.488 | (368.0) | 0.189 | (4.8) | 4.134 | (105.0) |
| WT-170-050-B | 1 | UV Black | 50 | 17.008 | (432.0) | 0.189 | (4.8) | 4.921 | (125.0) |
| WT-240-175-B | 1 | UV Black | 175 | 24.016 | (610.0) | 0.354 | (9.0) | 6.969 | (177.0) |
| WT-360-175-B | 1 | UV Black | 175 | 35.984 | (914.0) | 0.354 | (9.0) | 10.827 | (275.0) |
| WT-480-175-B | 1 | UV Black | 175 | 47.992 | (1219.0) | 0.354 | (9.0) | 14.646 | (372.0) |

| Catalog Number | Figure Number | Color | Dimensions - in. (mm) | | | | Mounting Hole | | | |
|----------------|---------------|---------|-----------------------|--------|-------|--------|---------------|-------|-------|-------|
| | | | L | | W | H | | | | |
| TM-075-N* | 2 | Natural | 0.768 | (19.5) | 0.768 | (19.5) | 0.154 | (3.9) | 0.126 | (3.2) |
| TM-100-N | 3 | Natural | 1.028 | (26.1) | 1.028 | (26.1) | 0.236 | (6.0) | 0.177 | (4.5) |

Flammability rating UL94V-2; cable ties and mounts
* 2pcs on a strip (Simply peel off the backing paper)

Wire Management Clips

Stainless Steel

K

TYPE SSWC

Features

- Stainless steel
- Rounded edges
- Angled grip tabs

Benefits

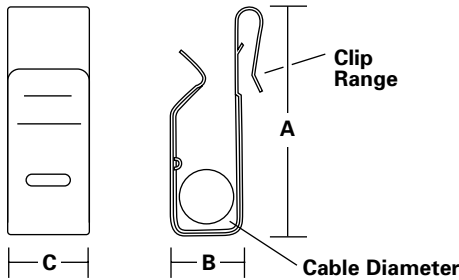
- Corrosion resistant
- Prevents damage to cable
- Easy to slide on, teeth hold securely

Application:

Wire management clips are designed to clip onto a thin metal edge to provide a means to hold cables or wires in place. The clips have directional angled teeth built-in that spread apart as the clip is pushed onto the metal edge, and bites into the metal surface, creating a tight, secure grip on to the metal edge. The clip has a built in hook where the cable or wire is placed and held securely. These clips have become a common accessory for solar panel projects where they are used to hold up the ground and power wires that are daisy chained from panel to panel.

Material: 410 stainless steel

Dimensions:



| Catalog Number | Range of Metal Thickness for the Clip Teeth | Maximum Cable Diameter | Dimensions | | |
|----------------|---|------------------------|------------|------|------|
| | | | A | B | C |
| I-1306 | .03 - .125 | .200 | .730 | .200 | .380 |
| I-1307 | .03 - .125 | .280 | .730 | .280 | .380 |
| I-1414 | .093 - .156 | .400 | 1.490 | .400 | .380 |
| I-2452A | .187 - .250 | .400 | 1.550 | .400 | .380 |

Wire Management Clips

Nylon



TYPE NWC

Features

- Nylon
- Molded in grip tabs
- Molded in eye slots

Benefits

- Corrosion and UV resistant
- Securely attaches to metal edge
- For attaching cable ties

Application:

Wire management clips are designed to clip onto a thin metal edge to provide a means to hold cables or wires in place. The clips have directional angled teeth built-in that spread apart as the clip is pushed onto the metal edge, and bites into the metal surface, creating a tight, secure grip on to the metal edge. The metal teeth are molded into a nylon housing that has a molded eye to accept a cable tie. The cable tie is then used to wrap around and secure the cables or wires.

These clips have become a common accessory for solar panel projects where they are used to hold up the ground and power wires that are daisy chained from panel to panel.

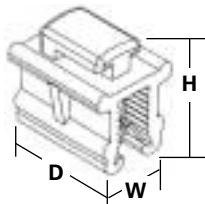
Material: Nylon 6/6

Temperature range: -40 to 250 F

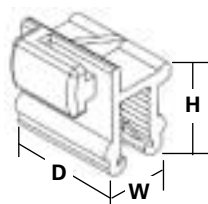
Holding strength: 45 lbs.

Cable tie length: 8"

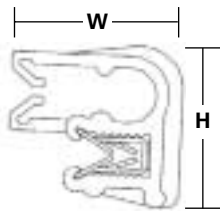
Dimensions:



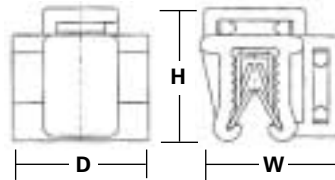
**Top Eye Type
(90° shown)**



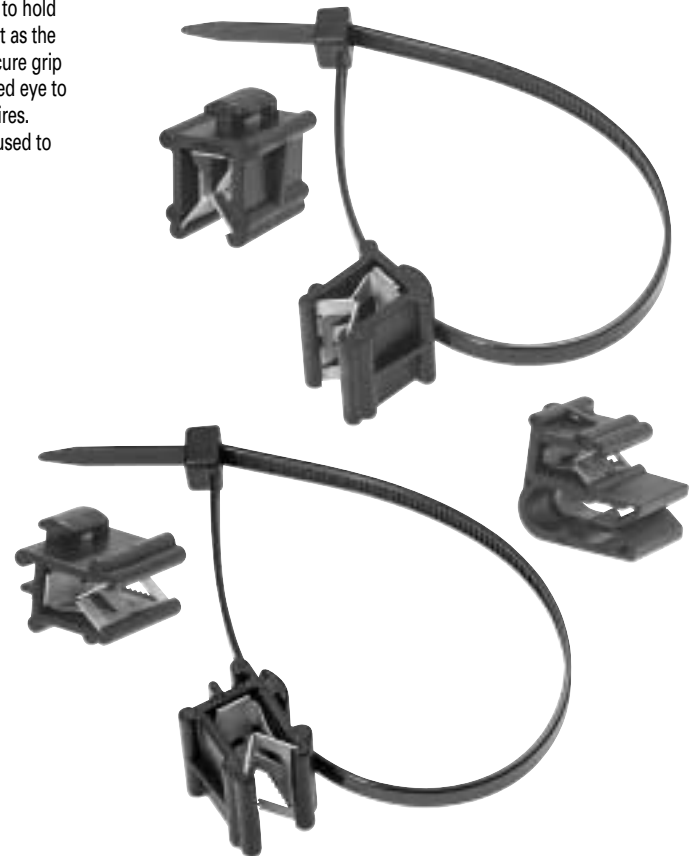
**Side Eye Type
(90° shown)**



SEC-2W



SC15



| Catalog Number | Range of Metal Thickness for the Clip Teeth | Cable Tie Included | Cable Tie Slot Orientation | Dimensions | | |
|----------------|---|--------------------|----------------------------|------------|------|------|
| | | | | H | W | D |
| SEC-2W | .03 - .125 | - | - | .760 | .820 | .610 |
| SC1-CTUV50 | .03 - .125 | Yes | Top 90° | .615 | .468 | .587 |
| SC1 | .03 - .125 | No | Top 90° | .615 | .468 | .587 |
| SC2-CTUV50 | .03 - .125 | Yes | Side 90° | .610 | .542 | .587 |
| SC2 | .03 - .125 | No | Side 90° | .610 | .542 | .587 |
| SC3-CTUV50 | .03 - .125 | Yes | Top in-line | .615 | .468 | .587 |
| SC3 | .03 - .125 | No | Top in-line | .615 | .468 | .587 |
| SC4-CTUV50 | .125 - .250 | Yes | Top in-line | .740 | .590 | .781 |
| SC4 | .125 - .250 | No | Top in-line | .740 | .590 | .781 |
| SC5-CTUV50 | .03 - .125 | Yes | Side in-line | .610 | .542 | .587 |
| SC5 | .03 - .125 | No | Side in-line | .610 | .542 | .587 |
| SC6-CTUV50 | .03 - .125 | Yes | Top 90° | .740 | .590 | .781 |
| SC6 | .03 - .125 | No | Top 90° | .740 | .590 | .781 |
| SC7-CTUV50 | .125 - .250 | Yes | Side 90° | .748 | .670 | .781 |
| SC7 | .125 - .250 | No | Side 90° | .748 | .670 | .781 |
| SC8-CTUV50 | .125 - .250 | Yes | Side in-line | .748 | .670 | .781 |
| SC8 | .125 - .250 | No | Side in-line | .748 | .670 | .781 |
| SC15 | .03 - .125 | No | Top & Side in-line | .585 | .605 | .595 |

K

TYPE WM-B

Features

- White vinyl cloth material, permanent black marker text
- Rubber based adhesive backing
- Stitched cover
- Self-laminating unmarked vinyl material – WM-B-30-B and WM-B-60-B
- Clear over laminate vinyl material – WM-B-30-B and WM-B-60-B
- Rated to -50° to 250° F operating temperature

Benefits

- Industry proven, easily readable
- Long lasting grip on wire
- Durable binding of book
- Write on marker tab accepts pen, pencil, ink marker or stamp
- Permanent protection of user applied markings
- Usable at temperature extremes



| Catalog Number | Material | Marker Text | Dimensions - in. (mm) | | | | Markers Per Book |
|----------------|-----------------------|--------------------|-----------------------|---------|-----------------|--------|------------------|
| | | | Length - in (mm) | | Width - in (mm) | | |
| WM-B-10-045 | Vinyl Cloth | 0-45 | 1.375 | (34.9) | 0.213 | (5.4) | 480 |
| WM-B-10-4690 | Vinyl Cloth | 46-90 | 1.375 | (34.9) | 0.213 | (5.4) | 480 |
| WM-B-10-AZ | Vinyl Cloth | A-Z, 0-15, +, -, / | 1.375 | (34.9) | 0.213 | (5.4) | 480 |
| WM-B-15-130 | Vinyl Cloth | 1-30 | 1.375 | (34.9) | 0.213 | (5.4) | 480 |
| WM-B-15-AZ | Vinyl Cloth | A-Z | 1.375 | (34.9) | 0.213 | (5.4) | 480 |
| WM-B-40-09 | Vinyl Cloth | 0-9, L1-L3, T1-T3 | 1.375 | (34.9) | 0.213 | (5.4) | 480 |
| WM-B-45-09 | Vinyl Cloth | 0-9 | 1.375 | (34.9) | 0.213 | (5.4) | 480 |
| WM-B-150-ABC | Vinyl Cloth | A, B, C | 1.375 | (34.9) | 0.213 | (5.4) | 480 |
| WM-B-30-B | Self Laminating Vinyl | Write On | 6.000 | (152.4) | 1.000 | (25.4) | 30 |
| WM-B-60-B | Self Laminating Vinyl | Write On | 3.000 | (76.2) | 1.000 | (25.4) | 60 |

Wire Markers

Slide/Snap-On

TYPE WM

Features

- Slide-on option
- Snap-on option
- Supplied in (10) strands per re-sealable bag, each strand contains (25) of the same character
- Angular cut ends
- Temperature range -22° to +140° F

Benefits

- Permanently secured marking, applied before end termination
- Convenient placement of marking before or after termination
- Offers millions of character combinations per bag
- Nesting multiple characters on same conductor
- Installable at extreme temperature conditions

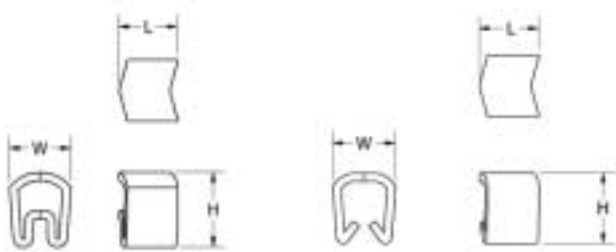


Fig. 1

Fig. 2



| Catalog Number | Figure Number | Color | Attachment Style | Marker Text | Wire Range | Wire Diameter - in (mm) | Material | Dimensions - in. (mm) | | | | | |
|----------------|---------------|-------|------------------|-----------------|------------|-------------------------|-----------|-----------------------|-------|-------|-------|-------|-------|
| | | | | | | | | L | | H | | W | |
| WM-023-N-09 | 1 | NEMA* | Slide-On | 0-9 | 16-22 AWG | .051-.118 (1.3-3.0) | Soft PVC | 0.118 | (3.0) | 0.142 | (3.6) | 0.138 | (3.5) |
| WM-023-W-09 | 1 | White | Slide-On | 0-9 | 16-22 AWG | .051-.118 (1.3-3.0) | Soft PVC | 0.118 | (3.0) | 0.142 | (3.6) | 0.138 | (3.5) |
| WM-023-W-AJ | 1 | White | Slide-On | A-J | 16-22 AWG | .051-.118 (1.3-3.0) | Soft PVC | 0.118 | (3.0) | 0.142 | (3.6) | 0.138 | (3.5) |
| WM-023-W-KT | 1 | White | Slide-On | K-T | 16-22 AWG | .051-.118 (1.3-3.0) | Soft PVC | 0.118 | (3.0) | 0.142 | (3.6) | 0.138 | (3.5) |
| WM-023-W-UZ | 1 | White | Slide-On | U-Z, +, -, /, ↓ | 16-22 AWG | .051-.118 (1.3-3.0) | Soft PVC | 0.118 | (3.0) | 0.142 | (3.6) | 0.138 | (3.5) |
| WM-13-N-09 | 1 | NEMA* | Slide-On | 0-9 | 10-16 AWG | .099-.197 (2.5-5.0) | Soft PVC | 0.118 | (3.0) | 0.217 | (5.5) | 0.165 | (4.2) |
| WM-13-W-09 | 1 | White | Slide-On | 0-9 | 10-16 AWG | .099-.197 (2.5-5.0) | Soft PVC | 0.118 | (3.0) | 0.217 | (5.5) | 0.165 | (4.2) |
| WM-13-W-AJ | 1 | White | Slide-On | A-J | 10-16 AWG | .099-.197 (2.5-5.0) | Soft PVC | 0.118 | (3.0) | 0.217 | (5.5) | 0.165 | (4.2) |
| WM-13-W-KT | 1 | White | Slide-On | K-T | 10-16 AWG | .099-.197 (2.5-5.0) | Soft PVC | 0.118 | (3.0) | 0.217 | (5.5) | 0.165 | (4.2) |
| WM-13-W-UZ | 1 | White | Slide-On | U-Z, +, -, /, ↓ | 10-16 AWG | .099-.197 (2.5-5.0) | Soft PVC | 0.118 | (3.0) | 0.217 | (5.5) | 0.165 | (4.2) |
| WM-103-N-09 | 2 | NEMA* | Snap-On | 0-9 | 16-22 AWG | .094-.118 (2.4-3.0) | Rigid PVC | 0.118 | (3.0) | 0.142 | (3.6) | 0.146 | (3.7) |
| WM-103-W-09 | 2 | White | Snap-On | 0-9 | 16-22 AWG | .094-.118 (2.4-3.0) | Rigid PVC | 0.118 | (3.0) | 0.142 | (3.6) | 0.146 | (3.7) |
| WM-103-W-AJ | 2 | White | Snap-On | A-J | 16-22 AWG | .094-.118 (2.4-3.0) | Rigid PVC | 0.118 | (3.0) | 0.142 | (3.6) | 0.146 | (3.7) |
| WM-103-W-KT | 2 | White | Snap-On | K-T | 16-22 AWG | .094-.118 (2.4-3.0) | Rigid PVC | 0.118 | (3.0) | 0.142 | (3.6) | 0.146 | (3.7) |
| WM-103-W-UZ | 2 | White | Snap-On | U-Z, +, -, /, ↓ | 16-22 AWG | .094-.118 (2.4-3.0) | Rigid PVC | 0.118 | (3.0) | 0.142 | (3.6) | 0.146 | (3.7) |
| WM-203-N-09 | 2 | NEMA* | Snap-On | 0-9 | 12-14 AWG | .118-.157 (3.0-4.0) | Rigid PVC | 0.118 | (3.0) | 0.165 | (4.2) | 0.177 | (4.5) |
| WM-203-W-09 | 2 | White | Snap-On | 0-9 | 12-14 AWG | .118-.157 (3.0-4.0) | Rigid PVC | 0.118 | (3.0) | 0.165 | (4.2) | 0.177 | (4.5) |
| WM-203-W-AJ | 2 | White | Snap-On | A-J | 12-14 AWG | .118-.157 (3.0-4.0) | Rigid PVC | 0.118 | (3.0) | 0.165 | (4.2) | 0.177 | (4.5) |
| WM-203-W-KT | 2 | White | Snap-On | K-T | 12-14 AWG | .118-.157 (3.0-4.0) | Rigid PVC | 0.118 | (3.0) | 0.165 | (4.2) | 0.177 | (4.5) |
| WM-203-W-UZ | 2 | White | Snap-On | U-Z, +, -, /, ↓ | 12-14 AWG | .118-.157 (3.0-4.0) | Rigid PVC | 0.118 | (3.0) | 0.165 | (4.2) | 0.177 | (4.5) |

UL94-V0 Flammability rating

INSTALLATION TOOL FOR SLIDE ON WIRE MARKERS SOLD SEPARATELY

* NEMA Colors:

0 - Black with white character
4 - Yellow with black character
8 - Grey with black character

1 - Brown with white character
5 - Green with white character
9 - White with black character

2 - Red with white character
6 - Blue with white character

3 - Orange with black character
7 - Purple with white character

Wire Markers Cassette

K

TYPE
WM

Features

- Compact size; 3.500" W x 2.700" D x .850" H
- Contains 500 slide-on style markers, refillable
- Double-sided entry
- Supplied with stainless steel installation tool inside the cassette
- Stainless steel installation tool features wire receiver hole
- Marker and cassette temperature rating -22° to 140° F
- Each slot holds one strand of (25) slide on wire markers

Benefits

- Easy to carry, readily available
- Reusable and customizable to user needs
- Conveniently dispense parts on either side of cassette
- Guides markers onto un-terminated end of wire
- Aligns wire for easy marker installation
- Holds up in extreme temperature conditions
- Provides quick visual identification and marker organization



| Catalog Number | Cassette Color | Grooves per Side | Includes Tool | Wire Range | Wire Diameter - in (mm) | Marker Color | Marker Text |
|-------------------------------------|----------------|------------------|---------------|------------|-------------------------|--------------|-------------|
| WM - Wire Marker Accessories | | | | | | | |
| WM-CA02-N-09 | Red | 12 | WM-T02-M | 16-22 AWG | .051-.118 (1.3-3.0) | NEMA* | 0-9 |
| WM-CA02-W-09 | Red | 12 | WM-T02-M | 16-22 AWG | .051-.118 (1.3-3.0) | White | 0-9 |
| WM-CA02-W-AJ | Red | 12 | WM-T02-M | 16-22 AWG | .051-.118 (1.3-3.0) | White | A-J |
| WM-CA02-W-KT | Red | 12 | WM-T02-M | 16-22 AWG | .051-.118 (1.3-3.0) | White | K-T |
| WM-CA02-W-UZ | Red | 12 | WM-T02-M | 16-22 AWG | .051-.118 (1.3-3.0) | White | U-Z |
| WM-CA10-N-09 | Blue | 10 | WM-T10-M | 10-16 AWG | .099-.197 (2.5-5.0) | NEMA* | 0-9 |
| WM-CA10-W-09 | Blue | 10 | WM-T10-M | 10-16 AWG | .099-.197 (2.5-5.0) | White | 0-9 |
| WM-CA10-W-AJ | Blue | 10 | WM-T10-M | 10-16 AWG | .099-.197 (2.5-5.0) | White | A-J |
| WM-CA10-W-KT | Blue | 10 | WM-T10-M | 10-16 AWG | .099-.197 (2.5-5.0) | White | K-T |
| WM-CA10-W-UZ | Blue | 10 | WM-T10-M | 10-16 AWG | .099-.197 (2.5-5.0) | White | U-Z |



WM - Wire Marker Installation Tool

| Catalog Number | Fits | Tool Dimensions - in. (mm) | | | |
|----------------|----------------|----------------------------|---------|-------|-------|
| | | L | | W | |
| WM-T02-M | WM-023 Markers | 3.937 | (100.0) | 0.122 | (3.1) |
| WM-T10-M | WM-13 Markers | 3.937 | (100.0) | 0.197 | (5.0) |

* NEMA Colors:

- | | | | |
|---------------------------------|--------------------------------|-------------------------------|---------------------------------|
| 0 - Black with white character | 1 - Brown with white character | 2 - Red with white character | 3 - Orange with black character |
| 4 - Yellow with black character | 5 - Green with white character | 6 - Blue with white character | 7 - Purple with white character |
| 8 - Grey with black character | 9 - White with black character | | |

Wire Markers Kit

**TYPE
WM**

Features

- 50 compartments
- Double latch and carry handle
- 10,000 total markers per case
- Contains 2 stainless steel installation tools
- Carrying case temperature rating -22° to +140° F

Benefits

- Marker organization for quick identification and use
- Secured cover, easy to carry
- Offers millions of character combinations, supports large scale marking activity
- Spare tool
- Holds up in extreme temperature conditions



| Catalog Number | Color | Wire Range | Wire Diameter - in (mm) | Marker Color | Application Tool | Dimensions - in. (mm) | | | | | |
|----------------|-------|------------|-------------------------|--------------|------------------|-----------------------|----------------|--------------|--|---|--|
| | | | | | | L | | H | | W | |
| WM-B02-W | White | 16-22 AWG | .051-.118 (1.3-3.0) | White | WM-T02-M | 16.150 (410.2) | 12.600 (320.0) | 2.000 (50.8) | | | |
| WM-B02-NW | NEMA | 16-22 AWG | .051-.118 (1.3-3.0) | NEMA* | WM-T02-M | 16.150 (410.2) | 12.600 (320.0) | 2.000 (50.8) | | | |
| WM-B10-W | White | 10-16 AWG | .099-.197 (2.5-5.0) | White | WM-T10-M | 16.150 (410.2) | 12.600 (320.0) | 2.000 (50.8) | | | |
| WM-B10-NW | NEMA | 10-16 AWG | .099-.197 (2.5-5.0) | NEMA* | WM-T10-M | 16.150 (410.2) | 12.600 (320.0) | 2.000 (50.8) | | | |

Kit contents include:

- 400 pieces of each number, 0-9
- 200 pieces of each letter, A-Z
- 200 pieces of each symbol, =, -, /, ↓
- 2 Application Tools

* NEMA Colors:

- | | | | |
|---------------------------------|--------------------------------|-------------------------------|---------------------------------|
| 0 - Black with white character | 1 - Brown with white character | 2 - Red with white character | 3 - Orange with black character |
| 4 - Yellow with black character | 5 - Green with white character | 6 - Blue with white character | 7 - Purple with white character |
| 8 - Grey with black character | 9 - White with black character | | |

K
TYPE
SPD

Features

- Whole house surge protection
- Compact NEMA polycarbonate enclosure
- Blue indicator LED
- 50 kA surge current strength
- Optional electrical noise filter
- UL 1449 Listed with advanced safety features
- Integrated threaded female hub
- Five year warranty
- Optional flush mount plate available for mounting versatility

Benefits

- Protect residence from electrical surges
- Easily installed outdoors or indoors, non-submersible
- Easy monitoring of surge protection status
- Withstands severe lightning strikes
- Protects valuable electronics & appliances
- Product longevity in the most demanding environments
- Quick installation

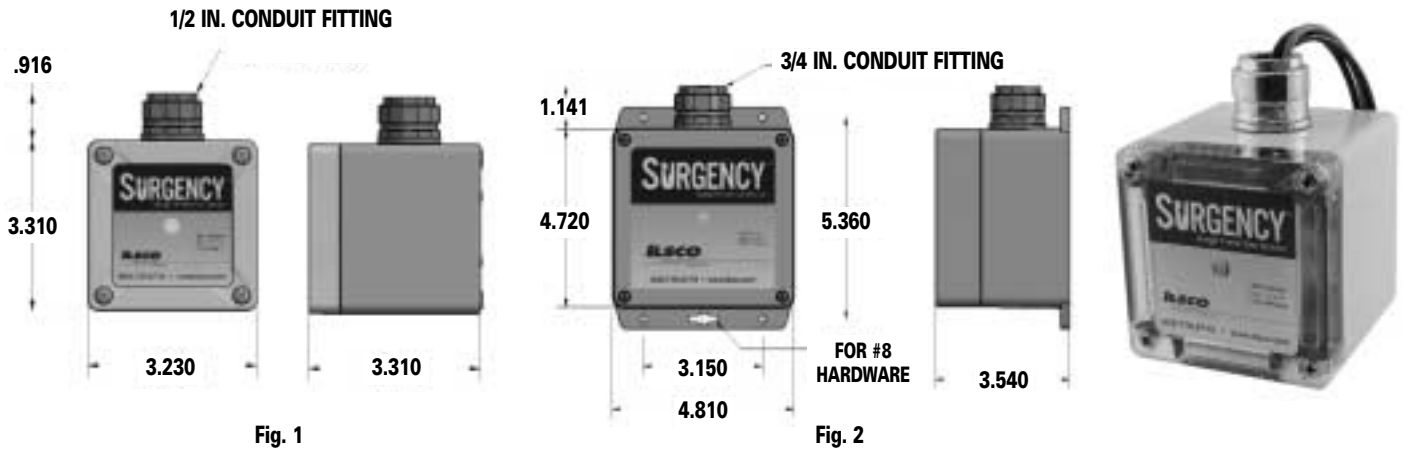


Fig. 1

Fig. 2

| Catalog Number | Figure Number | Lead Wire Size | Electrical Characteristics | | | | | Nominal Discharge Current | Short Circuit Current Rating (SCCR) | UL/CSA Type* | UL Voltage Protection Rating | | | | Conduit Size (in.) |
|----------------------------|---------------|----------------|----------------------------|--------|--------------|-----------------|---------------|---------------------------|-------------------------------------|--------------|------------------------------|-----|------|------|--------------------|
| | | | Phase | System | AC Frequency | Nominal Voltage | Noise Filter† | | | | L-L | L-N | L-G | N-G | |
| RE-050-1R1X-A ^Δ | 1 | 12 AWG | 1 | SPLIT | 50/60 Hz | 120/240 V | - | 20 kA | 200 kA | 1 | 1000 | - | 700 | - | 1/2 |
| RE-050-1R1X-C ^Δ | 1 | 12 AWG | 1 | SPLIT | 50/60 Hz | 120/240 V | Yes | 20 kA | 200 kA | 2 | 1200 | - | 600 | - | 1/2 |
| RE-050-1P1X-A ^Δ | 1 | 12 AWG | 1 | SINGLE | 50/60 Hz | 120 V | - | 20 kA | 200 kA | 1 | - | 700 | 700 | 1200 | 1/2 |
| RE-050-1P1X-C ^Δ | 1 | 12 AWG | 1 | SINGLE | 50/60 Hz | 120 V | Yes | 20 kA | 200 kA | 2 | - | 600 | 1200 | 600 | 1/2 |
| RE-050-Y3WX-A | 2 | 10 AWG | 3 | WYE | 50/60 Hz | 208Y/120 V | - | 20 kA | 200 kA | 1 | 1000 | - | 600 | - | 3/4 |
| RE-050-Y3WX-C | 2 | 10 AWG | 3 | WYE | 50/60 Hz | 208Y/120 V | Yes | 20 kA | 200 kA | 2 | 1200 | - | 700 | - | 3/4 |

Tested and Certified:

Type 1 SPDs (no filter) = UL 1449 (4th Edition), CSA C22.2 No. 269.1-14

Type 2 SPDs (filter) = UL 1449, UL 1283, CSA C22.2 No. 269.2-13, CSA C22.2 No. 8-13

Operating temperature range -40 - +150° F

Enclosure is rated to NEMA/UL Type 1, 2, 3, 3R, 3X, 4 and 4X

† Advanced UL 1283 rated electrical noise filter

Δ Mounting flange kit included

* Type 1 = Permanently connected SPDs permitted to be installed between the secondary of the service transformer and the line side of the service equipment overcurrent device, as well as the load side, permitted to be installed without an external overcurrent protective device on the line side of the service entrance

Type 2 = Permanently connected SPDs intended for installation on the load side of the service equipment overcurrent device; including SPDs located at the branch panel

| Option Code | UL/CSA Type | Indicator LED | Advanced Filtering |
|-------------|-------------|---------------|--------------------|
| A | 1 | • | |
| C | 2 | • | • |

TYPE SPD

Features

- Commercial & industrial up to 4-mode surge protection
- Compact NEMA polycarbonate enclosure
- Indicator LED, blue for proper operational status, red to replace, optional audible alarm and relay contacts
- Surge current strength up to 100 kA
- UL 1449 Listed with advanced safety features
- Integrated threaded female hub
- Five year warranty
- Optional flush mount plate available for mounting versatility

Benefits

- First line of defense against externally generated surges
- Mounted outdoors or indoors external or internal to any electrical panel, non-submersible
- Easy monitoring of surge protection status
- Withstands severe lightning strikes, up to 100 kA surge current per mode provides extended service life
- Product longevity in the most demanding environments
- Quick installation

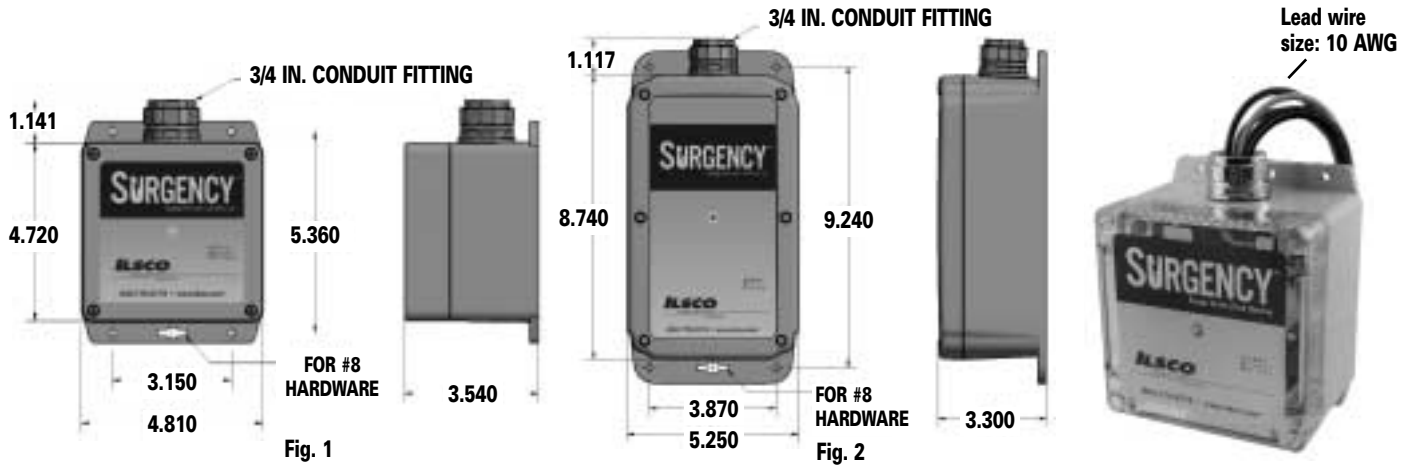


Fig. 1

Fig. 2

| Catalog Number | Figure Number | Electrical Characteristics | | | | Nominal Voltage | Nominal Discharge Current | Short Circuit Current Rating (SCCR) | UL Voltage Protection Rating (VPR) | | | | Conduit Size (in.) |
|----------------|---------------|----------------------------|--------|------------------------|--------------|-----------------|---------------------------|-------------------------------------|------------------------------------|------|------|------|--------------------|
| | | Phase | System | Per Mode Surge Current | AC Frequency | | | | L-L | L-N | L-G | N-G | |
| SE-050-1S1X-* | 1 | 1 | SPLIT | 50 kA | 50/60 Hz | 120/240 V | 20 kA | 200 kA | 1200 | 600 | 1200 | 600 | 3/4 |
| SE-100-1S1X-* | 2 | 1 | SPLIT | 100 kA | 50/60 Hz | 120/240 V | 20 kA | 200 kA | 1000 | 700 | 1000 | 700 | 3/4 |
| SE-050-3Y1X-* | 1 | 3 | WYE | 50 kA | 50/60 Hz | 208Y/120 V | 20 kA | 200 kA | 1200 | 600 | 1200 | 600 | 3/4 |
| SE-100-3Y1X-* | 2 | 3 | WYE | 100 kA | 50/60 Hz | 208Y/120 V | 20 kA | 200 kA | 1000 | 700 | 1000 | 700 | 3/4 |
| SE-050-3Y2X-* | 1 | 3 | WYE | 50 kA | 50/60 Hz | 480Y/277 V | 20 kA | 200 kA | 2500 | 1200 | 2500 | 1200 | 3/4 |
| SE-100-3Y2X-* | 2 | 3 | WYE | 100 kA | 50/60 Hz | 480Y/277 V | 20 kA | 200 kA | 2000 | 1200 | 2000 | 1200 | 3/4 |
| SE-050-3N4X-* | 1 | 3 | DELTA | 50 kA | 50/60 Hz | 480 V | 20 kA | 200 kA | 4000 | - | 1800 | - | 3/4 |
| SE-100-3N4X-* | 2 | 3 | DELTA | 100 kA | 50/60 Hz | 480 V | 20 kA | 200 kA | 4000 | - | 1800 | - | 3/4 |

Tested and Certified:
Type 1 SPDs (no filter) = UL 1449 (4th Edition), CSA C22.2 No. 269.1-14

Operating temperature range -40 to +150° F
Enclosure is rated to NEMA/UL Type 1, 2, 3, 3R, 3X, 4 and 4X

Type 1 = Permanently connected SPDs permitted to be installed between the secondary of the service transformer and the line side of the service equipment overcurrent device, as well as the load side, permitted to be installed without an external overcurrent protective device on the line side of the service entrance

Add on option code to catalog number

| Option Code | UL/CSA Type | Indicator LED | Audible Alarm | Dry Relay Contact |
|-------------|-------------|---------------|---------------|-------------------|
| A | 1 | • | | |
| B | 1 | • | • | • |

* Indicates package and option code - A, B

SURGENCY[™]

Surge Protective Device - Type 2

Series SE - Service Entrance



K

TYPE SPD

Features

- Commercial & industrial up to 4-mode surge protection
- Compact NEMA polycarbonate enclosure
- Indicator LED, blue for proper operational status, red to replace, optional audible alarm and relay contacts
- Surge current strength up to 100 kA
- UL 1283 electrical noise filter
- UL 1449 Listed with advanced safety features
- Integrated threaded female hub
- Five year warranty
- Optional flush mount plate available for mounting versatility

Benefits

- First line of defense against externally generated surges
- Mounted outdoors or indoors external or internal to any electrical panel, non-submersible
- Easy monitoring of surge protection status
- Withstands severe lightning strikes, up to 100 kA surge current per mode provides extended service life
- Protects critical commercial and industrial equipment
- Product longevity in the most demanding environments
- Quick installation

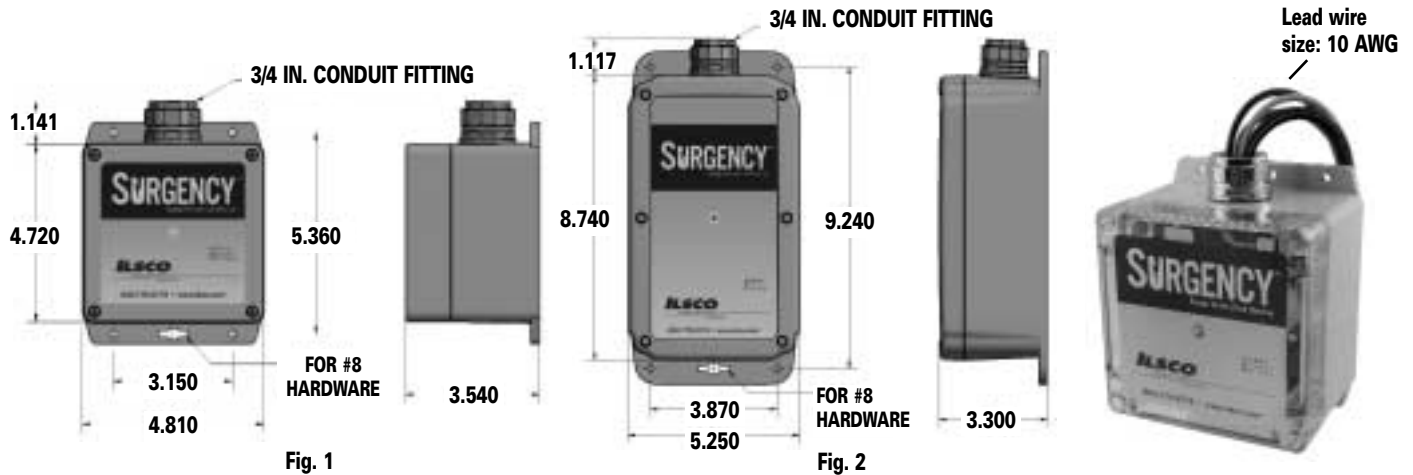


Fig. 1

Fig. 2

| Catalog Number | Figure Number | Electrical Characteristics | | | | Nominal Voltage | Nominal Discharge Current | Short Circuit Current Rating (SCCR) | UL Voltage Protection Rating (VPR) | | | | Conduit Size (in.) |
|----------------|---------------|----------------------------|--------|------------------------|--------------|-----------------|---------------------------|-------------------------------------|------------------------------------|------|------|------|--------------------|
| | | Phase | System | Per Mode Surge Current | AC Frequency | | | | L-L | L-N | L-G | N-G | |
| SE-050-1S1X-* | 1 | 1 | SPLIT | 50 kA | 50/60 Hz | 120/240 V | 20 kA | 200 kA | 1200 | 700 | 1200 | 600 | 3/4 |
| SE-100-1S1X-* | 2 | 1 | SPLIT | 100 kA | 50/60 Hz | 120/240 V | 20 kA | 200 kA | 1200 | 700 | 1200 | 700 | 3/4 |
| SE-050-3Y1X-* | 1 | 3 | WYE | 50 kA | 50/60 Hz | 208Y/120 V | 20 kA | 200 kA | 1200 | 700 | 1200 | 600 | 3/4 |
| SE-100-3Y1X-* | 2 | 3 | WYE | 100 kA | 50/60 Hz | 208Y/120 V | 20 kA | 200 kA | 1200 | 700 | 1200 | 700 | 3/4 |
| SE-050-3Y2X-* | 1 | 3 | WYE | 50 kA | 50/60 Hz | 480Y/277 V | 20 kA | 200 kA | 2500 | 1200 | 2500 | 1200 | 3/4 |
| SE-100-3Y2X-* | 2 | 3 | WYE | 100 kA | 50/60 Hz | 480Y/277 V | 20 kA | 200 kA | 2500 | 1200 | 2500 | 1200 | 3/4 |
| SE-050-3N4X-* | 1 | 3 | DELTA | 50 kA | 50/60 Hz | 480 V | 20 kA | 200 kA | 4000 | - | 1800 | - | 3/4 |
| SE-100-3N4X-* | 2 | 3 | DELTA | 100 kA | 50/60 Hz | 480 V | 20 kA | 200 kA | 4000 | - | 1800 | - | 3/4 |

Tested and Certified:

Type 2 SPDs (filter) = UL 1449, UL 1283, CSA C22.2 No. 269.2-13, CSA C22.2 No. 8-13

Operating temperature range -40 to +150° F

Enclosure is rated to NEMA/UL Type 1, 2, 3, 3R, 3X, 4 and 4X

Type 2 = Permanently connected SPDs intended for installation on the load side of the service equipment overcurrent device; including SPDs located at the branch panel

Add on option code to catalog number

| Option Code | UL/CSA Type | Indicator LED | Audible Alarm | Dry Relay Contact | Electrical Noise Filter† |
|-------------|-------------|---------------|---------------|-------------------|--------------------------|
| C | 2 | • | | | • |
| D | 2 | • | • | • | • |

* Indicates package and option code - C, or D

† Advanced UL 1283 rated electrical noise filter

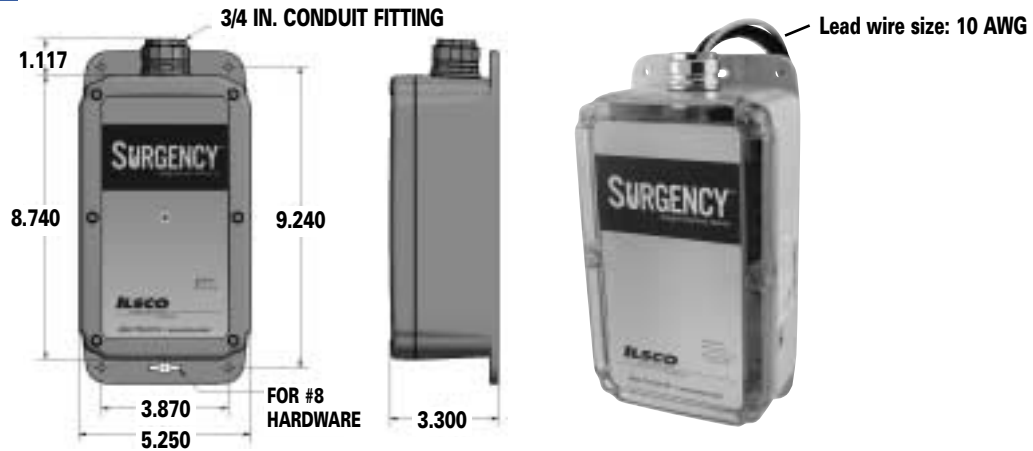
TYPE SPD

Features

- Commercial & industrial surge protection, up to 7 protection modes
- Compact NEMA polycarbonate enclosure
- One blue LED per phase reporting power to the phases and one red LED indicating service required or phase loss, optional audible alarm and relay contacts
- Surge current strength up to 100 kA
- UL 1449 Listed with advanced safety features
- Integrated threaded female hub
- Ten year warranty
- Optional flush mount plate available for mounting versatility

Benefits

- Protects equipment downstream of electrical service entrance
- Mounted outdoors or indoors external or internal to any electrical panel, non-submersible
- Easy monitoring of surge protection status
- Withstands severe lightning strikes, up to 100 kA surge current per mode provides extended service life
- Product longevity in the most demanding environments
- Quick installation



| Catalog Number | Electrical Characteristics | | | | | Nominal Discharge Current | Short Circuit Current Rating (SCCR) | UL Voltage Protection Rating (VPR) | | | | Conduit Size (in.) |
|----------------|----------------------------|--------------|------------------------|--------------|-----------------|---------------------------|-------------------------------------|------------------------------------|----------|----------|------|--------------------|
| | Phase | System | Per Mode Surge Current | AC Frequency | Nominal Voltage | | | L-L | L-N | L-G | N-G | |
| XE-050-1P1X-* | 1 | SINGLE | 50 kA | 50/60 Hz | 100~140 V | 20 kA | 200 kA | - | 700 | 700 | 700 | 3/4 |
| XE-100-1P1X-* | 1 | SINGLE | 100 kA | 50/60 Hz | 100~140 V | 20 kA | 200 kA | - | 700 | 700 | 700 | 3/4 |
| XE-050-1P2X-* | 1 | SINGLE | 50 kA | 50/60 Hz | 220~280 V | 20 kA | 200 kA | - | 1200 | 1200 | 1200 | 3/4 |
| XE-100-1P2X-* | 1 | SINGLE | 100 kA | 50/60 Hz | 220~280 V | 20 kA | 200 kA | - | 1200 | 1200 | 1200 | 3/4 |
| XE-050-1S1X-* | 1 | SPLIT | 50 kA | 50/60 Hz | 120/240 V | 20 kA | 200 kA | 1000 | 700 | 700 | 700 | 3/4 |
| XE-100-1S1X-* | 1 | SPLIT | 100 kA | 50/60 Hz | 120/240 V | 20 kA | 200 kA | 1000 | 700 | 700 | 700 | 3/4 |
| XE-050-3Y1X-* | 3 | WYE | 50 kA | 50/60 Hz | 208Y/120 V | 20 kA | 200 kA | 1000 | 600 | 600 | 700 | 3/4 |
| XE-100-3Y1X-* | 3 | WYE | 100 kA | 50/60 Hz | 208Y/120 V | 20 kA | 200 kA | 1000 | 700 | 700 | 700 | 3/4 |
| XE-050-3Y2X-* | 3 | WYE | 50 kA | 50/60 Hz | 480Y/277 V | 20 kA | 200 kA | 2000 | 1200 | 1200 | 1200 | 3/4 |
| XE-100-3Y2X-* | 3 | WYE | 100 kA | 50/60 Hz | 480Y/277 V | 20 kA | 200 kA | 2000 | 1200 | 1200 | 1200 | 3/4 |
| XE-050-3Y3X-* | 3 | WYE | 50 kA | 50/60 Hz | 600Y/347 V | 20 kA | 200 kA | 2500 | 1500 | 1500 | 1500 | 3/4 |
| XE-100-3Y3X-* | 3 | WYE | 100 kA | 50/60 Hz | 600Y/347 V | 20 kA | 200 kA | 3000 | 1500 | 1500 | 1500 | 3/4 |
| XE-050-3D1X-* | 3 | HI-LEG DELTA | 50 kA | 50/60 Hz | 240D/120 V | 20 kA | 200 kA | 1200/1800 | 700/1200 | 700/1200 | 700 | 3/4 |
| XE-100-3D1X-* | 3 | HI-LEG DELTA | 100 kA | 50/60 Hz | 240D/120 V | 20 kA | 200 kA | 1200/1800 | 700/1200 | 700/1200 | 700 | 3/4 |
| XE-050-3N4X-* | 3 | DELTA | 50 kA | 50/60 Hz | 480 V | 20 kA | 200 kA | 1800 | - | 1800 | - | 3/4 |
| XE-100-3N4X-* | 3 | DELTA | 100 kA | 50/60 Hz | 480 V | 20 kA | 200 kA | 1800 | - | 1800 | - | 3/4 |
| XE-050-3N6X-* | 3 | DELTA | 50 kA | 50/60 Hz | 600 V | 20 kA | 200 kA | 3000 | - | 3000 | - | 3/4 |
| XE-100-3N6X-* | 3 | DELTA | 100 kA | 50/60 Hz | 600 V | 20 kA | 200 kA | 3000 | - | 3000 | - | 3/4 |

Tested and Certified:
Type 1 SPDs (no filter) = UL 1449 (4th Edition), CSA C22.2 No. 269.1-14

Operating temperature range -40 to +150° F
Enclosure is rated to NEMA/UL Type 1, 2, 3, 3R, 3X, 4 and 4X

Type 1 = Permanently connected SPDs permitted to be installed between the secondary of the service transformer and the line side of the service equipment overcurrent device, as well as the load side, permitted to be installed without an external overcurrent protective device on the line side of the service entrance

Add on option code to catalog number

| Option Code | UL/CSA Type | Indicator LED | Audible Alarm | Dry Relay Contact |
|-------------|-------------|---------------|---------------|-------------------|
| A | 1 | • | | |
| B | 1 | • | • | • |

*Indicates Package and option code- A, B

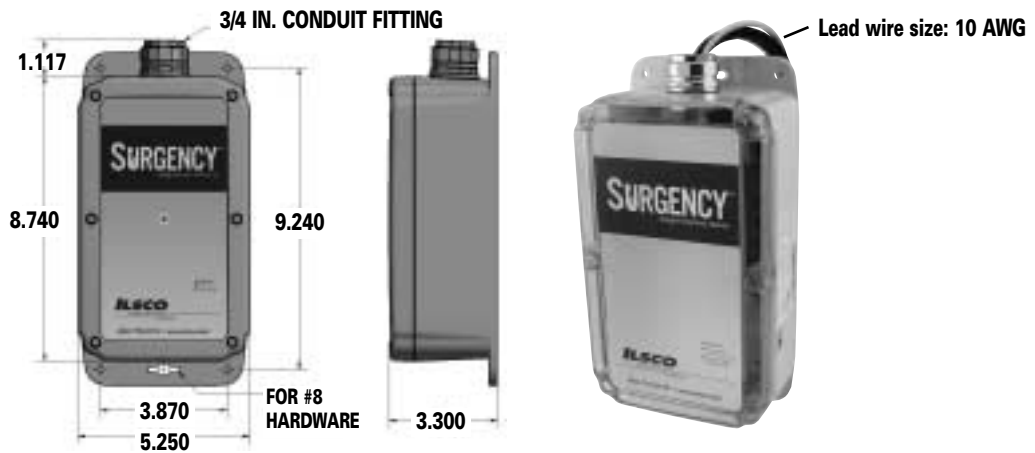
K
TYPE
SPD

Features

- Commercial & industrial surge protection, up to 7 protection modes
- Compact NEMA polycarbonate enclosure
- One blue LED per phase reporting power to the phases and one red LED indicating service required or phase loss, optional audible alarm and relay contacts
- Surge current strength up to 100 kA
- UL 1283 electrical noise filter
- UL 1449 Listed with advanced safety features
- Integrated threaded female hub
- Ten year warranty
- Optional flush mount plate available for mounting versatility

Benefits

- Protects equipment downstream of electrical service entrance
- Mounted outdoors or indoors external or internal to any electrical panel, non-submersible
- Easy monitoring of surge protection status
- Withstands severe lightning strikes, up to 100 kA surge current per mode provides extended service life
- Protects critical commercial and industrial equipment
- Product longevity in the most demanding environments
- Quick Installation



| Catalog Number | Electrical Characteristics | | | | | Nominal Discharge Current | Short Circuit Current Rating (SCCR) | UL Voltage Protection Rating (VPR) | | | | Conduit Size (in.) |
|----------------|----------------------------|--------------|------------------------|--------------|-----------------|---------------------------|-------------------------------------|------------------------------------|----------|----------|------|--------------------|
| | Phase | System | Per Mode Surge Current | AC Frequency | Nominal Voltage | | | L-L | L-N | L-G | N-G | |
| XE-050-1P1X-* | 1 | SINGLE | 50 kA | 50/60 Hz | 100~140 V | 20 kA | 200 kA | - | 700 | 700 | 700 | 3/4 |
| XE-100-1P1X-* | 1 | SINGLE | 100 kA | 50/60 Hz | 100~140 V | 20 kA | 200 kA | - | 700 | 700 | 700 | 3/4 |
| XE-050-1P2X-* | 1 | SINGLE | 50 kA | 50/60 Hz | 220~280 V | 20 kA | 200 kA | - | 1200 | 1200 | 1200 | 3/4 |
| XE-100-1P2X-* | 1 | SINGLE | 100 kA | 50/60 Hz | 220~280 V | 20 kA | 200 kA | - | 1200 | 1200 | 1200 | 3/4 |
| XE-050-1S1X-* | 1 | SPLIT | 50 kA | 50/60 Hz | 120/240 V | 20 kA | 200 kA | 1200 | 700 | 700 | 700 | 3/4 |
| XE-100-1S1X-* | 1 | SPLIT | 100 kA | 50/60 Hz | 120/240 V | 20 kA | 200 kA | 1200 | 700 | 700 | 700 | 3/4 |
| XE-050-3Y1X-* | 3 | WYE | 50 kA | 50/60 Hz | 208Y/120 V | 20 kA | 200 kA | 1000 | 700 | 600 | 700 | 3/4 |
| XE-100-3Y1X-* | 3 | WYE | 100 kA | 50/60 Hz | 208Y/120 V | 20 kA | 200 kA | 1200 | 700 | 700 | 700 | 3/4 |
| XE-050-3Y2X-* | 3 | WYE | 50 kA | 50/60 Hz | 480Y/277 V | 20 kA | 200 kA | 2000 | 1200 | 1200 | 1200 | 3/4 |
| XE-100-3Y2X-* | 3 | WYE | 100 kA | 50/60 Hz | 480Y/277 V | 20 kA | 200 kA | 2500 | 1200 | 1200 | 1200 | 3/4 |
| XE-050-3D1X-* | 3 | HI-LEG DELTA | 50 kA | 50/60 Hz | 240D/120 V | 20 kA | 200 kA | 1200/2000 | 800/1200 | 700/1200 | 700 | 3/4 |
| XE-100-3D1X-* | 3 | HI-LEG DELTA | 100 kA | 50/60 Hz | 240D/120 V | 20 kA | 200 kA | 1200/2000 | 800/1200 | 700/1200 | 700 | 3/4 |
| XE-050-3N4X-* | 3 | DELTA | 50 kA | 50/60 Hz | 480 V | 20 kA | 200 kA | 1800 | - | 1800 | - | 3/4 |
| XE-100-3N4X-* | 3 | DELTA | 100 kA | 50/60 Hz | 480 V | 20 kA | 200 kA | 2000 | - | 1800 | - | 3/4 |

Tested and Certified:
Type 2 SPDs (filter) = UL 1449, UL 1283, CSA C22.2 No. 269.2-13, CSA C22.2 No. 8-13

Operating temperature range -40 to +150° F

Enclosure is rated to NEMA/UL Type 1, 2, 3, 3R, 3X, 4 and 4X

Type 2 = Permanently connected SPDs intended for installation on the load side of the service equipment overcurrent device; including SPDs located at the branch panel

Add on option code to catalog number

| Option Code | UL/CSA Type | Indicator LED | Audible Alarm | Dry Relay Contact | Electrical Noise Filter† |
|-------------|-------------|---------------|---------------|-------------------|--------------------------|
| C | 2 | • | | | • |
| D | 2 | • | • | • | • |

*Indicates Package and option code- C or D
† Advanced UL 1283 rated electrical noise filter



CONTACT ILSCO OF CANADA

615 B Orwell Street, Mississauga, Ontario, Canada L5A 2W4

Phone 905 274-2341 Fax 905 279-2682

M

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Wire Size Charts 533

Wire Amperage Rating Chart..... 534 - 535

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Torque Information 537

RoHS Compliance 538

Cross Reference Guide 539

A brief summary of comparative properties of metals suitable for current carrying applications and required features of the connector are listed below in Table 1.

| Order | Metal | % Volume Conductivity | Relative Abundance earth's surface % |
|-------|-----------|-----------------------|--------------------------------------|
| 1. | Silver | 108.3 | |
| 2. | Copper | 100.0 | 0.088% |
| 3. | Gold | 73.4 | |
| 4. | Aluminum | 64.9 | 8.0% |
| 5. | Magnesium | 38.0 | 1.8% |



The commercial use of copper and aluminum for electrical application are obvious, in terms of economic justifications. The accelerated use of aluminum becomes even more obvious when realized that it requires twice the amount of copper by weight, to carry a specified amount of current. At the unit price per pound of prime metal it is readily seen why aluminum is increasing in electrical application.

As the next logical step, an examination of available alloys and forms of aluminum should be made to determine the optimum choice for the manufacture of electrical connectors. Please refer to Table 2

| Alloy | Form | Typical Yield Strength | Minimum Yield Strength | Elongation | % Conductivity |
|----------------|-----------|------------------------|------------------------|------------|----------------|
| 6061-T6 | Extrusion | 40-45,000 | 35,000 | 12 | 40 |
| 6063-T6 | Extrusion | 31,000 | 25,000 | 12 | 53 |
| Al. Mag. | Sand Cast | 22,000 | 22,000 | 12 | 25 |
| 356-T6 | Sand Cast | 24,000 | 24,000 | 3½ | 39 |
| AXS 679 (380A) | Die Cast | 21,000 | 21,000 | 3 | 25 |

During the initial analysis of these materials, reference was made to the experience over many years of the effect of stress on tensioned overhead conductors. It is well documented that in order to assure mechanical stability of these conductors, over long periods of time, it is necessary to design the line so that the maximum stress will not exceed 50% of the conductors rated breaking strength. In the case of aluminum conductors the alloy most commonly used is EC-H19 having a yield strength of 22,000 psi and a tensile strength of 24,000 psi. From the foregoing it is obvious that a maximum stress level of 12,000 psi representing 50% of ultimate tensile strength or approximately 55% of yield strength, will result in the conductor remaining mechanically stable throughout its life.

With this initial premise being established it was necessary to confirm whether or not a determinable stress limit could be effectively applied to the design of connectors. The method of testing used to confirm this premise is noted in detail in table 8.

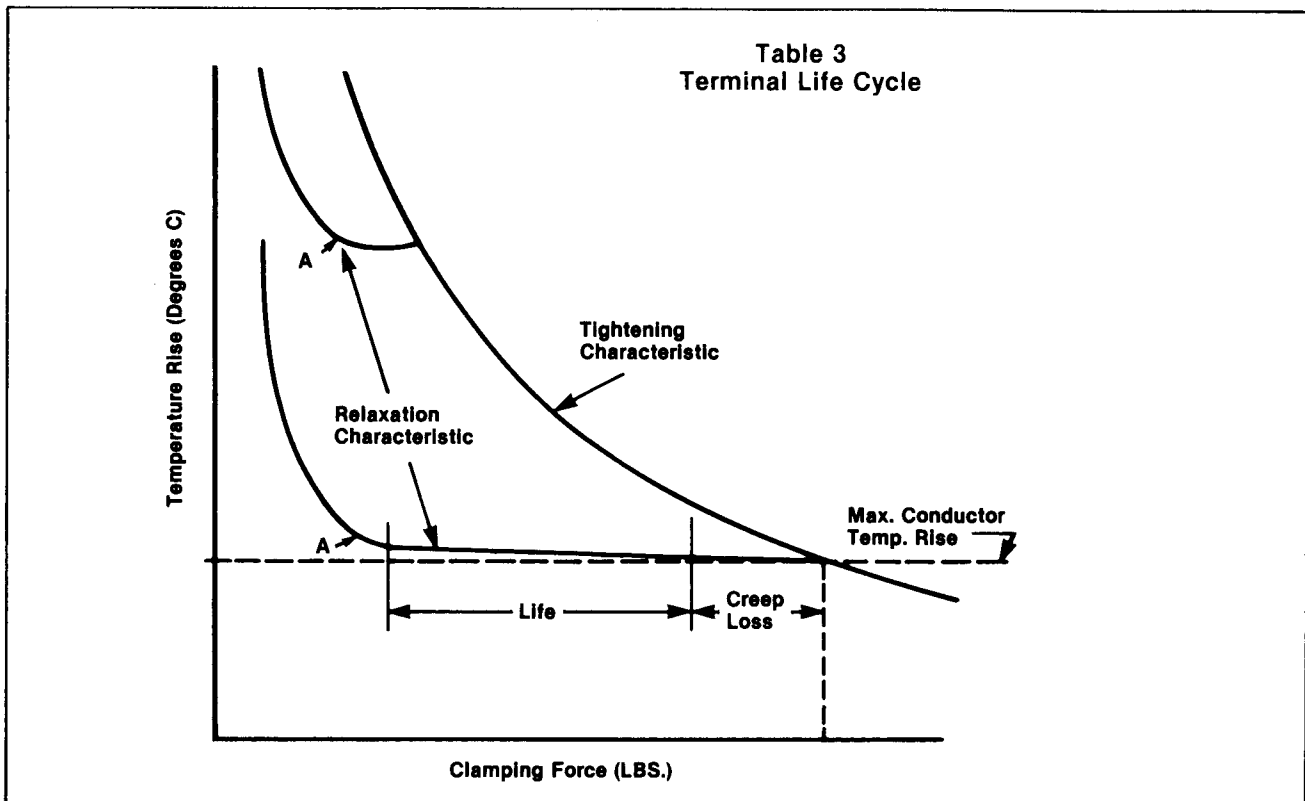
Additional factors of design were recognized as necessary to achieve a stable and reliable connector. Requirements of aluminum connectors for use with aluminum or copper conductors.

- a. Adequate strength of the connector to prevent creep loss in the connection from exceeding the creep loss of the conductor.
- b. Strong enough clamping force (torque) to keep the connector operating temperature at a level below the operating temperature of the maximum size conductor.
- c. High enough conductivity to provide adequate efficiency (minimum of 40%).

To illustrate the significance of these requirements, Table 3 headed *Terminal life Cycle*, presents an examination of terminal temperature in relation to clamping force. The horizontal dotted line indicates the temperature of the conductor at maximum rise. The tightening characteristic curve shows a lowering of terminal temperature rise with an increased clamping force. Terminal temperature, measured in degrees centigrade, is used in our illustration as a measure of connector resistance. As the tightening characteristic curve approaches the dotted conductor temperature line at the same current value, the connector and conductor resistance approximate each other.

The curves labeled Relaxation Characteristic, merely indicate the anticipated progression a connector would follow to failure, once clamping force has been reduced to a level where terminal resistance can no longer be maintained at a low level. Point A on each curve represents that point where resistance is sufficiently high to cause and elevated operating temperature of the connector which will then progress to ultimate connector failure.

Proceeding with the assumption that stress limitation is a most critical factor in connector design it was then necessary to select and test the alloy materials which evidence the most favorable conductivity/yield strength/economic factors. The initial selection of aluminum alloy 6061-T6 has long since been determined to be the best available material from which to fabricate connectors for use with both aluminum and copper conductors.



Before proceeding further a definition of terms used, to assure understanding of the basis for the conclusions reached later in the paper, are listed.

Physical Property of Aluminum

Tensile Strength

The maximum tensile load which a material is capable of withstanding under gradually and uniformly applied loading, divided by the original cross-sectional area in the minimum plane perpendicular to the direction of loading. Commonly the term is taken to mean the same as "ultimate tensile strength" or the less accurate "breaking strength."

Yield Strength

The stress at which material exhibits a specified permanent set. The value of set used for aluminum and its alloys is 0.002 inch per inch or 0.2%. For the aluminum alloys the yield strength in tension and compression are approximately the same.

Elongation

The increase in distance between two gage marks that results from stressing the specimen in tension to fracture. Please see table 5.

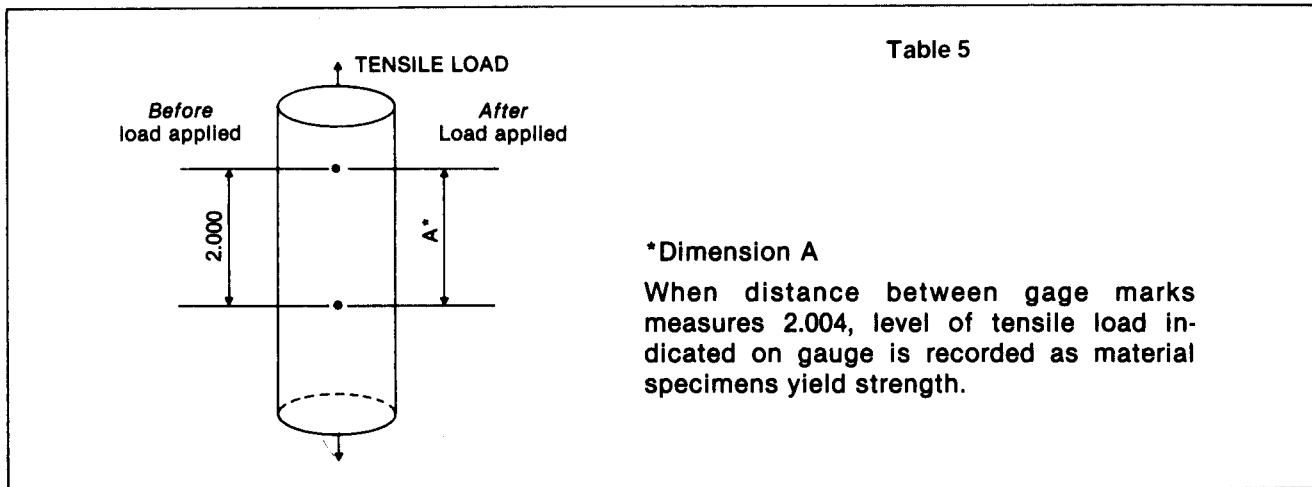


Table 5

*Dimension A
When distance between gage marks measures 2.004, level of tensile load indicated on gauge is recorded as material specimens yield strength.

To record elongation, tensile loading is continually applied until specimen fractures, at which time two pieces are mated and distance between gage marks accurately measured. The resultant dimension divided by the original increment provides the value expressed in %, of the materials ability to stretch under load, or its elongation.

Elastic Limit

The stress value below which no permanent set or permanent deformation takes place; the highest stress which will permit return to original shape upon removal of force causing the stress.

Elasticity

The ability of a material to return to its original shape and size upon removal of a load below the elastic limit.

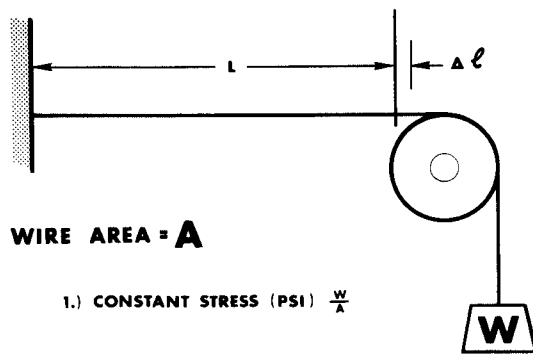
Creep

A precise unit of measure disclosing the increase in dimension of a unit specimen having a specified area =A, an applied force =W with resultant constant stress= $\frac{W}{A}$. The initial increment of measurement L, is effected by three factors resulting in amount of increase or creep, stress, time and temperature.

To determine and express the creep rate for a given specimen in terms of inches of creep, per inches of original gage length, per hour, the factors of stress and temperature must be maintained constant. A change in either or both, will result in a change in the creep rate. Please refer to Tables 6 and 7.

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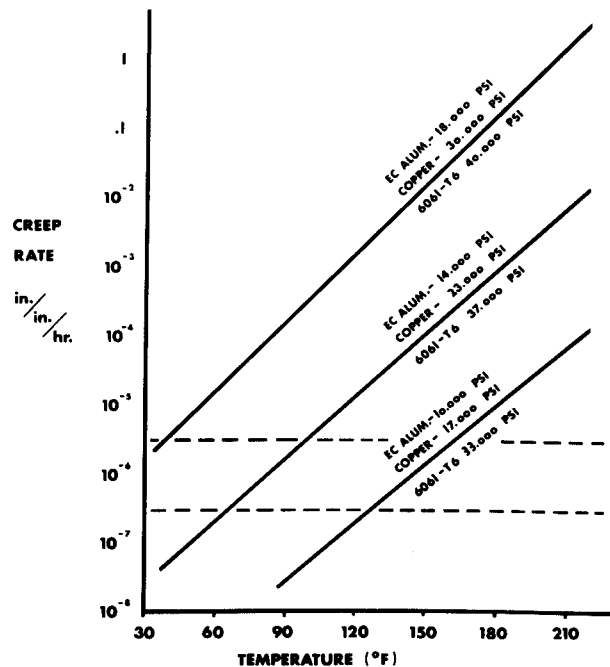
**Table 6
Creep Measurement**



WIRE AREA = A

- 1.) **CONSTANT STRESS (PSI)** $\frac{W}{A}$
- 2.) **TOTAL CREEP = $\Delta \ell$**
CREEP RATE = $\frac{\Delta \ell}{L \times \text{HRS}}$ Inches / Inch / Hour
 (At Temperature T)
- 3.) **TEMPERATURE CONSTANT FOR EACH MEASUREMENT**
VARIED TO REDUCE CREEP VS TEMP. CURVES

**Table 7
Creep Rate vs. Temp.**



Cold Flow

As compared to Creep, cold flow has no units of measure. The best description of cold flow relating to application within the electrical industry, is an excessively high rate of creep i.e. normal creep rate static load condition would be expressed in a fraction of an inch per inch of length. Cold flow, conversely if possible to measure it in definable terms, would be expressed in terms of inches of movement per inch of length. Cold flow then can be expressed as movement of appreciable magnitude occurring at a stress level in a very short length of time at an ambient temperature. Neither time or temperature are critical in assessing the effecting force of cold flow.

It is significant to realize that it is an absolute necessity to have cold flow of the conductor within a bolted connector to develop the desired low resistance contact, required for electrical/mechanical stability of the connection. So is it necessary to have cold flow of both the conductor and connector in the making of a compression connection. In these two instances a mechanical union of the two components is made by means of an externally applied force to assure both electrical and mechanical reliability. In the case of a soldered or welded connection this component union is made metallurgically.

Creep Loss

The unit of measurement, expressed in % of the initially applied mechanical force to a connection, divided by the resultant measured force after the unit has been subjected to controlled loadings of temperature and time. This value is relatively easy to determine for bolted connectors by accurately measuring applied torque before and after applying control factors of time and temperature. The resultant loss of torque is the creep loss experienced within the connection assembly.

It is difficult and inaccurate to project anticipated creep loss within a compression assembly since there is no way of effecting a measurement of the initially applied force and the resultant force remaining on the connection after the mechanical or hydraulic compression tool is removed from the connector.

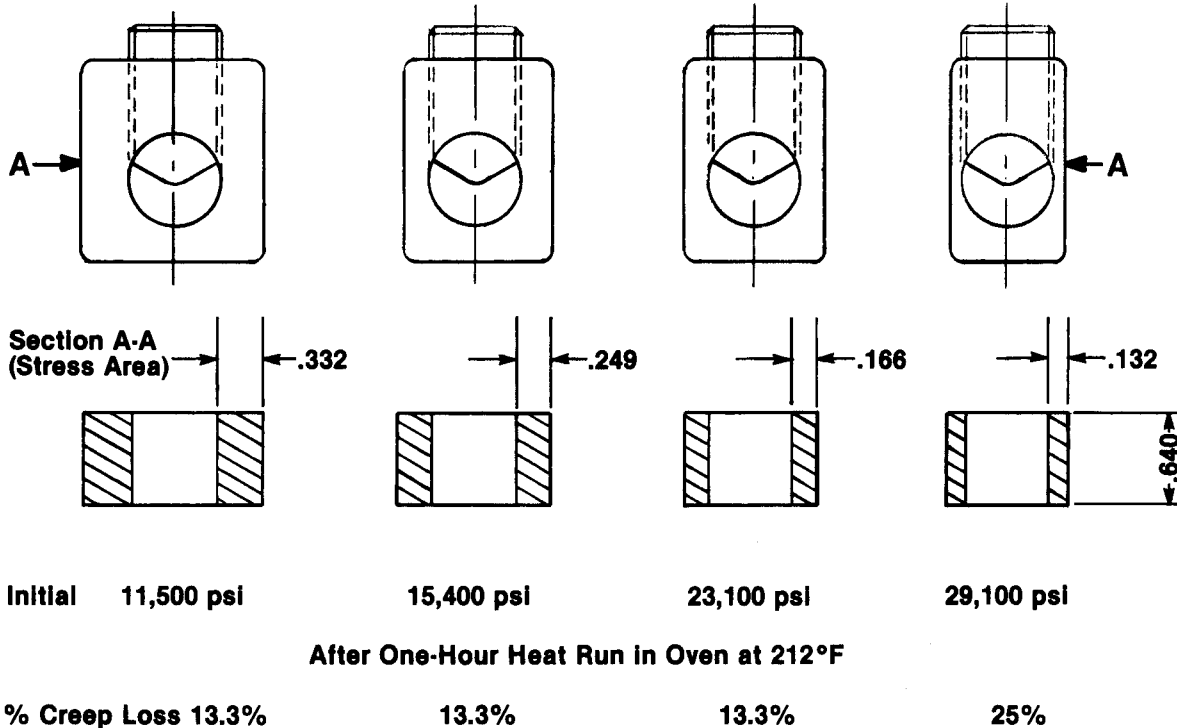
The maximum desired creep loss in a connector/conductor assembly stated, is that portion of the total creep component represented by the creep component of the conductor alone.

This brings us to the threshold of the discussion of design parameters used by IlSCO in the manufacturer of aluminum connectors.



Table 8
Tolerable Creep Limits for Aluminum Connector

Material
Aluminum 6061T6



To best understand the importance of the function of creep components in a connection assembly, recall the definition of cold flow wherein it is stated that it is necessary to the formulation of an electrically/mechanically stable connection to have cold flow of the conductor. Since cold flow is by definition a high rate of creep and since creep occurs only where constant stress is applied; the connection will undergo creep movement as a result of load cycling. It is mandatory that the connector be so designed that all creep within the assembly occur in the conductor.

The determination of tolerable creep limits for aluminum connector design were established through the test described below and pictured in Table 8

This test established the maximum stress which can be imposed on an aluminum connector made from Alloy 6061-T6 as being 23,000 psi which is approximately 1/2 typical yield strength. The value of creep loss for the first three connectors were identical; 13.3% whereas the fourth exhibited a 25% creep loss. The explanation is simply that the loads applied to the section modulus of each of the first three test connectors resulted in a stress level below the elastic limit of the material and thereby causing no creep movement in the connector. The conductor on the other hand must be physically moved, and this conductor movement resulted in a redistribution of strand displacement and resultant redistribution of load. The 13.3% creep loss therefore can be stated as being that movement occurring within the conductor.

The Fourth sample, however, evidenced in higher creep loss, resulting from creep in the conductor and the connector since the connector was stressed beyond its elastic limit and contributed to the total creep of the assembly.

M

The confirmation by actual test of this limitation of stress to 1/2 the materials yield strength has been utilized in the design of all connectors manufactured by IlSCO.

Preparation of wire

When an aluminum cable is installed, certain procedures should be followed to insure a good connection.

1. The insulation should be stripped with a whittling motion to prevent the cable from being nicked.
2. The cable should then be cleaned with a wire brush. This removes the oxides from the surface of the conductor.
3. In many cases, an oxide inhibitor is applied to the conductor immediately prior to installation. However, this is not absolutely necessary.
4. For mechanical connectors, the set screw should be tightened. After a few seconds, the set screw should be retightened to insure a good connection. For compression connectors, the lug should be crimped around the conductor using the proper tool.

MILLIMETER/DECIMAL/FRACTION CONVERSION CHART

| Milli-meter | Decimal | Fraction (inches) | Milli-meter | Decimal | Fraction (inches) | Milli-meter | Decimal | Fraction (inches) | Milli-meter | Decimal | Fraction (inches) | Milli-meter | Decimal | Fraction (inches) |
|-------------|---------|-------------------|-------------|---------|-------------------|-------------|---------|-------------------|-------------|---------|-------------------|-------------|---------|-------------------|
| 0.1 | .0039 | | 5.159 | .2031 | 13/64 | 10.2 | .4016 | | 15.3 | .6024 | | 20.3 | .7992 | |
| 0.2 | .0079 | | 5.2 | .2047 | | 10.3 | .4055 | | 15.4 | .6063 | | 20.4 | .8031 | |
| 0.3 | .0118 | | 5.3 | .2087 | | 10.319 | .4063 | 13/32 | 15.478 | .6094 | 39/64 | 20.5 | .8071 | |
| 0.397 | .0156 | 1/64 | 5.4 | .2126 | | 10.4 | .4094 | | 15.5 | .6102 | | 20.6 | .8110 | |
| 0.4 | .0157 | | 5.5 | .2165 | | 10.5 | .4134 | | 15.6 | .6142 | | 20.638 | .8125 | 13/16 |
| 0.5 | .0197 | | 5.556 | .2188 | 7/32 | 10.6 | .4173 | | 15.7 | .6181 | | 20.7 | .8150 | |
| 0.6 | .0236 | | 5.6 | .2205 | | 10.7 | .4213 | | 15.8 | .6220 | | 20.8 | .8189 | |
| 0.7 | .0276 | | 5.7 | .2244 | | 10.716 | .4219 | 27/64 | 15.875 | .6250 | 5/8 | 20.9 | .8228 | |
| 0.794 | .0313 | 1/32 | 5.8 | .2283 | | 10.8 | .4252 | | 15.9 | .6260 | | 21.0 | .8268 | |
| 0.8 | .0315 | | 5.9 | .2323 | | 10.9 | .4291 | | 16.0 | .6299 | | 21.034 | .8281 | 53/64 |
| 0.9 | .0354 | | 5.953 | .2344 | 15/64 | 11.0 | .4331 | | 16.1 | .6339 | | 21.1 | .8307 | |
| 1.0 | .0394 | | 6.0 | .2362 | | 11.1 | .4370 | | 16.2 | .6378 | | 21.2 | .8346 | |
| 1.1 | .0433 | | 6.1 | .2402 | | 11.113 | .4375 | 7/16 | 16.272 | .6406 | 41/64 | 21.3 | .8386 | |
| 1.191 | .0469 | 3/64 | 6.2 | .2441 | | 11.2 | .4409 | | 16.3 | .6417 | | 21.4 | .8425 | |
| 1.2 | .0472 | | 6.3 | .2480 | | 11.3 | .4449 | | 16.4 | .6457 | | 21.431 | .8438 | 27/32 |
| 1.3 | .0512 | | 6.350 | .2500 | 1/4 | 11.4 | .4488 | | 16.5 | .6496 | | 21.5 | .8465 | |
| 1.4 | .0551 | | 6.4 | .2520 | | 11.5 | .4528 | | 16.6 | .6535 | | 21.6 | .8504 | |
| 1.5 | .0591 | | 6.5 | .2559 | | 11.509 | .4531 | 29/64 | 16.669 | .6563 | 21/32 | 21.7 | .8543 | |
| 1.588 | .0625 | 1/16 | 6.6 | .2598 | | 11.6 | .4567 | | 16.7 | .6575 | | 21.8 | .8583 | |
| 1.6 | .0630 | | 6.7 | .2638 | | 11.7 | .4606 | | 16.8 | .6614 | | 21.828 | .8594 | 55/64 |
| 1.7 | .0669 | | 6.747 | .2656 | 17/64 | 11.8 | .4646 | | 16.9 | .6654 | | 21.9 | .8622 | |
| 1.8 | .0709 | | 6.8 | .2677 | | 11.9 | .4685 | | 17.0 | .6693 | | 22.0 | .8661 | |
| 1.9 | .0748 | | 6.9 | .2717 | | 11.906 | .4688 | 15/32 | 17.066 | .6719 | 43/64 | 22.1 | .8701 | |
| 1.984 | .0781 | 5/64 | 7.0 | .2756 | | 12.0 | .4724 | | 17.1 | .6732 | | 22.2 | .8740 | |
| 2.0 | .0787 | | 7.1 | .2795 | | 12.1 | .4764 | | 17.2 | .6772 | | 22.225 | .8750 | 7/8 |
| 2.1 | .0827 | | 7.144 | .2813 | 9/32 | 12.2 | .4803 | | 17.3 | .6811 | | 22.3 | .8780 | |
| 2.2 | .0866 | | 7.2 | .2835 | | 12.3 | .4843 | | 17.4 | .6850 | | 22.4 | .8819 | |
| 2.3 | .0906 | | 7.3 | .2874 | | 12.303 | .4844 | 31/64 | 17.463 | .6875 | 11/16 | 22.5 | .8858 | |
| 2.381 | .0938 | 3/32 | 7.4 | .2913 | | 12.4 | .4882 | | 17.5 | .6890 | | 22.6 | .8898 | |
| 2.4 | .0945 | | 7.5 | .2953 | | 12.5 | .4921 | | 17.6 | .6929 | | 22.622 | .8906 | 57/64 |
| 2.5 | .0984 | | 7.541 | .2969 | 19/64 | 12.6 | .4961 | | 17.7 | .6968 | | 22.7 | .8937 | |
| 2.6 | .1024 | | 7.6 | .2992 | | 12.7 | .5000 | 1/2 | 17.8 | .7008 | | 22.8 | .8976 | |
| 2.7 | .1063 | | 7.7 | .3031 | | 12.8 | .5039 | | 17.859 | .7031 | 45/64 | 22.9 | .9016 | |
| 2.778 | .1094 | 7/64 | 7.8 | .3071 | | 12.9 | .5079 | | 17.9 | .7047 | | 23.0 | .9055 | |
| 2.8 | .1102 | | 7.9 | .3110 | | 13.0 | .5118 | | 18.0 | .7087 | | 23.019 | .9063 | 29/32 |
| 2.9 | .1142 | | 7.938 | .3125 | 5/16 | 13.097 | .5156 | 33/64 | 18.1 | .7126 | | 23.1 | .9094 | |
| 3.0 | .1181 | | 8.0 | .3150 | | 13.1 | .5157 | | 18.2 | .7165 | | 23.2 | .9134 | |
| 3.1 | .1220 | | 8.1 | .3189 | | 13.2 | .5197 | | 18.256 | .7188 | 23/32 | 23.3 | .9173 | |
| 3.175 | .1250 | 1/8 | 8.2 | .3228 | | 13.3 | .5236 | | 18.3 | .7205 | | 23.4 | .9213 | |
| 3.2 | .1260 | | 8.3 | .3268 | | 13.4 | .5276 | | 18.4 | .7244 | | 23.416 | .9219 | 59/64 |
| 3.3 | .1299 | | 8.334 | .3281 | 21/64 | 13.494 | .5313 | 17/32 | 18.5 | .7283 | | 23.5 | .9252 | |
| 3.4 | .1339 | | 8.4 | .3307 | | 13.5 | .5315 | | 18.6 | .7323 | | 23.6 | .9291 | |
| 3.5 | .1378 | | 8.5 | .3346 | | 13.6 | .5354 | | 18.653 | .7344 | 47/64 | 23.7 | .9331 | |
| 3.572 | .1406 | 9/64 | 8.6 | .3386 | | 13.7 | .5394 | | 18.7 | .7362 | | 23.8 | .9370 | |
| 3.6 | .1417 | | 8.7 | .3425 | | 13.8 | .5433 | | 18.8 | .7402 | | 23.813 | .9375 | 15/16 |
| 3.7 | .1457 | | 8.731 | .3438 | 11/32 | 13.891 | .5469 | 35/64 | 18.9 | .7441 | | 23.9 | .9409 | |
| 3.8 | .1496 | | 8.8 | .3465 | | 13.9 | .5472 | | 19.0 | .7480 | | 24.0 | .9449 | |
| 3.9 | .1535 | | 8.9 | .3504 | | 14.0 | .5512 | | 19.050 | .7500 | 3/4 | 24.1 | .9488 | |
| 3.969 | .1563 | 5/32 | 9.0 | .3543 | | 14.1 | .5551 | | 19.1 | .7520 | | 24.2 | .9528 | |
| 4.0 | .1575 | | 9.1 | .3583 | | 14.2 | .5591 | | 19.2 | .7559 | | 24.209 | .9531 | 61/64 |
| 4.1 | .1614 | | 9.128 | .3594 | 23/64 | 14.288 | .5625 | 9/16 | 19.3 | .7598 | | 24.3 | .9567 | |
| 4.2 | .1654 | | 9.2 | .3622 | | 14.3 | .5630 | | 19.4 | .7638 | | 24.4 | .9606 | |
| 4.3 | .1693 | | 9.3 | .3661 | | 14.4 | .5669 | | 19.447 | .7656 | 49/64 | 24.5 | .9646 | |
| 4.366 | .1719 | 11/64 | 9.4 | .3701 | | 14.5 | .5709 | | 19.5 | .7677 | | 24.6 | .9685 | |
| 4.4 | .1732 | | 9.5 | .3740 | | 14.6 | .5748 | | 19.6 | .7717 | | 24.606 | .9688 | 31/32 |
| 4.5 | .1772 | | 9.525 | .3750 | 3/8 | 14.684 | .5781 | 37/64 | 19.7 | .7756 | | 24.7 | .9724 | |
| 4.6 | .1811 | | 9.6 | .3780 | | 14.7 | .5787 | | 19.8 | .7795 | | 24.8 | .9764 | |
| 4.7 | .1850 | | 9.7 | .3819 | | 14.8 | .5827 | | 19.844 | .7813 | 25/32 | 24.9 | .9803 | |
| 4.763 | .1875 | 3/16 | 9.8 | .3858 | | 14.9 | .5866 | | 19.9 | .7835 | | 25.0 | .9843 | |
| 4.8 | .1890 | | 9.9 | .3898 | | 15.0 | .5906 | | 20.0 | .7874 | | 25.003 | .9844 | 63/64 |
| 4.9 | .1929 | | 9.922 | .3906 | 25/64 | 15.081 | .5938 | 19/32 | 20.1 | .7913 | | 25.1 | .9882 | |
| 5.0 | .1969 | | 10.0 | .3937 | | 15.1 | .5945 | | 20.2 | .7953 | | 25.2 | .9921 | |
| 5.1 | .2008 | | 10.1 | .3976 | | 15.2 | .5984 | | 20.241 | .7969 | 51/64 | 25.3 | .9961 | |
| | | | | | | | | | | | | 25.400 | 1.0000 | 1 |



AWG VS. METRIC WIRE SIZES

| Circ. Mils | Equivalent Circ. Mils | Awg. Size | Metric Wire Size mm ² | Stranding/ Wire Diameter Per Strand | | Approximate Overall Diameter | | Circ. Mils | Equivalent Circ. Mils | Awg. Size | Metric Wire Size mm ² | Stranding/ Wire Diameter Per Strand | | Approximate Overall Diameter | |
|------------|-----------------------|-----------|----------------------------------|-------------------------------------|---------|------------------------------|------|------------|-----------------------|-----------|----------------------------------|-------------------------------------|----------|------------------------------|------|
| | | | | in | mm | in | mm | | | | | in | mm | in | mm |
| - | 937 | - | 0.50 | 1/032 | 1/813 | .032 | 0.81 | 83690 | - | 1 | - | 19/0664 | 19/1.69 | .332 | 8.43 |
| 1020 | - | 20 | - | 7/0121 | 7/030 | .036 | 0.91 | - | 98680 | - | 50 | 19/073 | 19/1.85 | .365 | 9.27 |
| - | 1480 | - | 0.75 | 1/039 | 1/991 | .039 | 0.99 | 105600 | - | 1/0 | - | 19/0745 | 19/1.89 | .373 | 9.46 |
| 1620 | - | 18 | - | 1/0403 | 1/1.02 | .040 | 1.02 | 133100 | - | 2/0 | - | 19/0837 | 19/2.13 | .419 | 10.6 |
| 1620 | - | 18 | - | 7/0152 | 7/386 | .046 | 1.16 | - | 138100 | - | 70 | 19/086 | 19/2.18 | .430 | 10.9 |
| - | 1974 | - | 1.0 | 1/045 | 1/1.14 | .045 | 1.14 | 167800 | - | 3/0 | - | 19/094 | 19/2.39 | .470 | 11.9 |
| - | 1974 | - | 1.0 | 7/017 | 7/432 | .051 | 1.30 | 167800 | - | 3/0 | - | 37/0673 | 37/1.71 | .471 | 12.0 |
| 2580 | - | 16 | - | 1/0508 | 1/1.29 | .051 | 1.29 | - | 187500 | - | 95 | 19/101 | 19/2.57 | .505 | 12.8 |
| 2580 | - | 16 | - | 7/0192 | 7/488 | .058 | 1.46 | - | 187500 | - | 95 | 37/072 | 37/1.83 | .504 | 12.8 |
| - | 2960 | - | 1.5 | 1/055 | 1/1.40 | .055 | 1.40 | 211600 | - | 4/0 | - | 19/1055 | 19/2.68 | .528 | 13.4 |
| - | 2960 | - | 1.5 | 7/021 | 7/533 | .063 | 1.60 | - | 237.8 kcmil | - | 120 | 37/081 | 37/2.06 | .567 | 14.4 |
| 4110 | - | 14 | - | 1/0641 | 1/1.63 | .064 | 1.63 | 250 kcmil | - | - | - | 37/0822 | 37/2.09 | .575 | 14.6 |
| 4110 | - | 14 | - | 7/0242 | 7/615 | .073 | 1.84 | 300 kcmil | - | - | 150 | 37/090 | 37/2.29 | .630 | 16.0 |
| - | 4934 | - | 2.5 | 1/071 | 1/1.80 | .071 | 1.80 | 350 kcmil | - | - | - | 37/0973 | 37/2.47 | .681 | 17.3 |
| - | 4934 | - | 2.5 | 7/027 | 7/686 | .081 | 2.06 | - | 365.1 kcmil | - | 185 | 37/100 | 37/2.54 | .700 | 17.8 |
| 6530 | - | 12 | - | 1/0808 | 1/2.05 | .081 | 2.05 | 400 kcmil | - | - | - | 37/104 | 37/2.64 | .728 | 18.5 |
| 6530 | - | 12 | - | 7/0305 | 7/775 | .092 | 2.32 | - | 473.6 kcmil | - | 240 | 37/114 | 37/2.90 | .798 | 20.3 |
| - | 7894 | - | 4 | 1/089 | 1/2.26 | .089 | 2.26 | - | 473.6 kcmil | - | 240 | 61/089 | 61/2.26 | .801 | 20.3 |
| - | 7894 | - | 4 | 7/034 | 7/864 | .102 | 2.59 | 500 kcmil | - | - | - | 37/1162 | 37/2.95 | .813 | 20.7 |
| - | - | - | - | - | - | - | - | 500 kcmil | - | - | - | 61/0905 | 61/2.30 | .814 | 20.7 |
| 10380 | - | 10 | - | 1/1019 | 1/2.59 | .102 | 2.59 | - | 592.1 kcmil | - | 300 | 61/099 | 61/2.51 | .891 | 22.6 |
| 10380 | - | 10 | - | 7/0385 | 7/978 | .116 | 2.93 | - | - | - | - | 61/0992 | 61/2.52 | .893 | 22.7 |
| - | 11840 | - | 6 | 1/109 | 1/2.77 | .109 | 2.77 | 600 kcmil | - | - | - | 61/1071 | 61/2.72 | .964 | 24.5 |
| - | 11840 | - | 6 | 7/042 | 7/107 | .126 | 3.21 | 700 kcmil | - | - | - | 61/1109 | 61/2.82 | .998 | 25.4 |
| 13090 | - | 9 | - | 1/1144 | 1/2.91 | .114 | 2.91 | 750 kcmil | - | - | - | 91/0908 | 91/2.31 | .999 | 25.4 |
| 13090 | - | 9 | - | 7/0432 | 7/1.10 | .130 | 3.30 | 750 kcmil | - | - | - | 61/114 | 61/2.90 | 1.026 | 26.1 |
| 16510 | - | 8 | - | 1/1285 | 1/3.26 | .128 | 3.26 | - | 789.4 kcmil | - | 400 | 61/1145 | 61/2.91 | 1.031 | 26.2 |
| 16510 | - | 8 | - | 7/0486 | 7/1.23 | .146 | 3.70 | 800 kcmil | - | - | - | 91/0938 | 91/2.38 | 1.032 | 26.2 |
| - | 19740 | - | 10 | 1/141 | 1/3.58 | .141 | 3.58 | 800 kcmil | - | - | - | 61/1280 | 61/3.25 | 1.152 | 29.3 |
| - | 19740 | - | 10 | 7/054 | 7/1.37 | .162 | 4.12 | 1000 kcmil | 986.8 kcmil | - | 500 | 91/1048 | 91/2.66 | 1.153 | 29.3 |
| 20820 | - | 7 | - | 1/1443 | 1/3.67 | .144 | 3.67 | 1000 kcmil | - | - | - | 91/1117 | 91/2.97 | 1.287 | 32.7 |
| 20820 | - | 7 | - | 7/0545 | 7/1.38 | .164 | 4.15 | - | 1233.7 kcmil | - | 625 | 91/117 | 91/2.97 | 1.287 | 32.7 |
| 26240 | - | 6 | - | 1/162 | 1/4.11 | .162 | 4.11 | 1250 kcmil | - | - | - | 91/1172 | 91/2.98 | 1.289 | 32.7 |
| 26240 | - | 6 | - | 7/0612 | 7/1.55 | .184 | 4.66 | 1250 kcmil | - | - | - | 127/0992 | 127/2.52 | 1.290 | 32.8 |
| - | 31580 | - | 16 | 7/068 | 7/1.73 | .204 | 5.18 | 1500 kcmil | - | - | - | 91/1284 | 91/3.26 | 1.412 | 35.9 |
| 33090 | - | 5 | - | 7/0688 | 7/1.75 | .206 | 5.24 | 1500 kcmil | - | - | - | 127/1087 | 127/2.76 | 1.413 | 35.9 |
| 41740 | - | 4 | - | 7/0772 | 7/1.96 | .232 | 5.88 | - | 1578.8 kcmil | - | 800 | 91/132 | 91/3.35 | 1.452 | 36.9 |
| - | 49340 | - | 25 | 7/085 | 7/2.16 | .255 | 6.48 | - | 1973.5 kcmil | - | 1000 | 91/147 | 91/3.73 | 1.617 | 41.1 |
| - | 49340 | - | 25 | 19/052 | 19/1.32 | .260 | 6.60 | 2000 kcmil | - | - | - | 127/1255 | 127/3.19 | 1.632 | 41.5 |
| 52620 | - | 3 | - | 7/0867 | 7/2.20 | .260 | 6.61 | 2000 kcmil | - | - | - | 169/1088 | 169/2.76 | 1.632 | 41.5 |
| 66360 | - | 2 | - | 7/0974 | 7/2.47 | .292 | 7.42 | - | - | - | - | - | - | - | - |
| - | 69070 | - | 35 | 7/100 | 7/2.54 | .300 | 7.62 | - | - | - | - | - | - | - | - |
| - | 69070 | - | 35 | 19/061 | 19/1.55 | .305 | 7.75 | - | - | - | - | - | - | - | - |

DIESEL LOCOMOTIVE AND CAR WIRING CABLE

| Conductor Stranding | Approx. Size Awg | Circular Mil Area | Conductor Diameter Inches |
|---------------------|------------------|-------------------|---------------------------|
| 19/0117 | 16 | 2601 | .060 |
| 19/27 | 14 | 3831 | .096 |
| 19/25 | 12 | 6088 | .116 |
| 27/24 | 10 | 10910 | .146 |
| 37/24 | 8 | 14950 | .166 |
| 61/24 | 6 | 24640 | .226 |
| 91/24 | 5 | 36760 | .256 |
| 105/24 | 4 | 42420 | .286 |
| 125/24 | 3 | 50500 | .300 |
| 150/24 | 2 | 60600 | .366 |
| 225/24 | 1 | 90900 | .424 |
| 275/24 | 1/0 | 111100 | .454 |
| 325/24 | 2/0 | 131300 | .494 |
| 450/24 | 3/0 | 181800 | .604 |
| 550/24 | 4/0 | 222200 | .634 |
| 650/24 | 262.6 | 262600 | .712 |
| 775/24 | 313.1 | 313100 | .792 |
| 925/24 | 373.7 | 373700 | .852 |
| 1100/24 | 444.4 | 444400 | .922 |
| 1325/24 | 535.3 | 535300 | 1.022 |
| 1600/24 | 646.4 | 646400 | 1.122 |
| 1925/24 | 777.7 | 777700 | 1.182 |
| 2300/24 | 929.2 | 929200 | 1.292 |
| 2750/24 | 1111.0 | 1111000 | 1.43 |

Table 310.15(B)(16) (formerly Table 310.16) Allowable Ampacities of Insulated Conductors Rated Up to and Including 2000 Volts, 60°C Through 90°C (140°F Through 194°F), Not More Than Three Current-Carrying Conductors in Raceway, Cable, or Earth (Directly Buried), Based on Ambient Temperature of 30°C (86°F)



| Size AWG or kcmil | Temperature Rating of Conductor [See Table 310.104(A).] | | | | | | Size AWG or kcmil |
|-------------------|---|---|--|--------------|---------------------------------------|---|-------------------|
| | 60°C (140°F) | 75°C (167°F) | 90°C (194°F) | 60°C (140°F) | 75°C (167°F) | 90°C (194°F) | |
| | Types TW, UF | Types RHW, THHW, THW, THWN, XHHW, USE, ZW | Types TBS, SA, SIS, FEP, FEPB, ML, RHH, RHW-2, THHN, THHW, THW-2, THWN-2, USE-2, XHH, XHHW, XHHW-2, ZW-2 | Types TW, UF | Types RHW, THHW, THW, THWN, XHHW, USE | Types TBS, SA, SIS, THHN, THHW, THW-2, THWN-2, RHH, RHW-2, USE-2, XHH, XHHW, XHHW-2, ZW-2 | |
| COPPER | | | ALUMINUM OR COPPER-CLAD ALUMINUM | | | | |
| 18** | — | — | 14 | — | — | — | — |
| 16** | — | — | 18 | — | — | — | — |
| 14** | 15 | 20 | 25 | — | — | — | — |
| 12** | 20 | 25 | 30 | 15 | 20 | 25 | 12** |
| 10** | 30 | 35 | 40 | 25 | 30 | 35 | 10** |
| 8 | 40 | 50 | 55 | 35 | 40 | 45 | 8 |
| 6 | 55 | 65 | 75 | 40 | 50 | 55 | 6 |
| 4 | 70 | 85 | 95 | 55 | 65 | 75 | 4 |
| 3 | 85 | 100 | 115 | 65 | 75 | 85 | 3 |
| 2 | 95 | 115 | 130 | 75 | 90 | 100 | 2 |
| 1 | 110 | 130 | 145 | 85 | 100 | 115 | 1 |
| 1/0 | 125 | 150 | 170 | 100 | 120 | 135 | 1/0 |
| 2/0 | 145 | 175 | 195 | 115 | 135 | 150 | 2/0 |
| 3/0 | 165 | 200 | 225 | 130 | 155 | 175 | 3/0 |
| 4/0 | 195 | 230 | 260 | 150 | 180 | 205 | 4/0 |
| 250 | 215 | 255 | 290 | 170 | 205 | 230 | 250 |
| 300 | 240 | 285 | 320 | 195 | 230 | 260 | 300 |
| 350 | 260 | 310 | 350 | 210 | 250 | 280 | 350 |
| 400 | 280 | 335 | 380 | 225 | 270 | 305 | 400 |
| 500 | 320 | 380 | 430 | 260 | 310 | 350 | 500 |
| 600 | 350 | 420 | 475 | 285 | 340 | 385 | 600 |
| 700 | 385 | 460 | 520 | 315 | 375 | 425 | 700 |
| 750 | 400 | 475 | 535 | 320 | 385 | 435 | 750 |
| 800 | 410 | 490 | 555 | 330 | 395 | 445 | 800 |
| 900 | 435 | 520 | 585 | 355 | 425 | 480 | 900 |
| 1000 | 455 | 545 | 615 | 375 | 445 | 500 | 1000 |
| 1250 | 495 | 590 | 665 | 405 | 485 | 545 | 1250 |
| 1500 | 525 | 625 | 705 | 435 | 520 | 585 | 1500 |
| 1750 | 545 | 650 | 735 | 455 | 545 | 615 | 1750 |
| 2000 | 555 | 665 | 750 | 470 | 560 | 630 | 2000 |



*Refer to 310.15(B)(2) for the ampacity correction factors where the ambient temperature is other than 30°C (86°F).
 **Refer to 240.4(D) for conductor overcurrent protection limitations.

Table 310.15(B)(3)(a) Adjustment Factors for More Than Three Current-Carrying Conductors in a Raceway or Cable

| Number of Conductors¹ | Percent of Values in Table 310.15(B)(16) through Table 310.15(B)(19) as Adjusted for Ambient Temperature if Necessary |
|---|--|
| 4-6 | 80 |
| 7-9 | 70 |
| 10-20 | 50 |
| 21-30 | 45 |
| 31-40 | 40 |
| 41 and above | 35 |


¹Number of conductors is the total number of conductors in the raceway or cable adjusted in accordance with 310.15(B)(5) and (6).

INFORMATION SHEET TIGHTENING TORQUE VALUES FOR ILSCO MECHANICAL SCREW CONNECTORS

| WIRE SIZE | TIGHTENING TORQUE IN INCH POUNDS | |
|-----------|---|---|
| | SCREW DRIVER  COMBO SLOTTED | EXTERNAL DRIVE WRENCH  |
| 14 AWG | 35 | 75 |
| 12 AWG | 35 | 75 |
| 10 AWG | 35 | 75 |
| 8 AWG | 40 | 75 |
| 6 AWG | 45 | 110 |
| 4 AWG | 45 | 110 |
| 2 AWG | 50 | 150 |
| 1 AWG | 50 | 150 |
| 1/0 AWG | 50 | 180 |
| 2/0 AWG | 50 | 180 |
| 3/0 AWG | | 250 |
| 4/0 AWG | | 250 |
| 250kcmil | | 325 |
| 350kcmil | | 325 |
| 500kcmil | | 375 |
| 600kcmil | | 375 |
| 700kcmil | | 375 |
| 750kcmil | | 375 |
| 800kcmil | | 500 |
| 1000kcmil | | 500 |

FORM 1
Revised 9-21-2015

INFORMATION SHEET TIGHTENING TORQUE VALUES FOR ILSCO SOCKETHEAD SCREW CONNECTORS

| INTERNAL SOCKET SIZE ACROSS FLATS INCHES | TIGHTENING TORQUE IN INCH POUNDS  INTERNAL SOCKET |
|--|--|
| 1/8 | 45 |
| 5/32 | 100 |
| 3/16 | 120 |
| 7/32 | 150 |
| 1/4 | 200 |
| 5/16 | 275 |
| 3/8 | 375 |
| 1/2 | 500 |
| 9/16 | 600 |

FORM 1
Revised 9-21-2015

TIGHTENING TORQUE FOR CONNECTING HARDWARE

| SCREW OR BOLT SIZE | | TIGHTENING TORQUE | |
|--------------------|------------------|-------------------|----------|
| METRIC | SAE | N•m | (lbf•ft) |
| - | No. 8 or smaller | 2 | (1.5) 18 |
| - | No. 10 | 3 | (2.0) 24 |
| M6 | 1/4 | 8 | (6) 72 |

Please reference the instruction sheet included with your connector for specific torque values.
All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
* Torque information included with product supersedes this page.

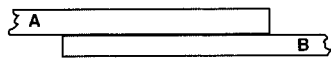
Table I shows the recommended tightening torques for silicon bronze, stainless steel, galvanized steel and aluminum alloy hardware. The shaded portion represents torques presently recommended by NEMA-CC1-1984 specification.

**TABLE I
TIGHTENING TORQUES**

| Bolt Diameter | Nominal Torque Values | | | |
|---------------|---|-----------|-----------------------------|----------|
| | Silicon Bronze, Galvanized or Stainless Steel | | Aluminum Alloy (Lubricated) | |
| | Ft.-Lbs. | Inch-Lbs. | Ft.-Lbs. | Inch-Lbs |
| 5/16-18 | 15 | 180 | — | — |
| 3/8-16 | 20 | 240 | 14 | 168 |
| 1/2-13 | 40 | 480 | 25 | 300 |
| 5/8-11 | 55 | 660 | 40 | 480 |
| 3/4-10 | 80 | 960 | 70 | 840 |

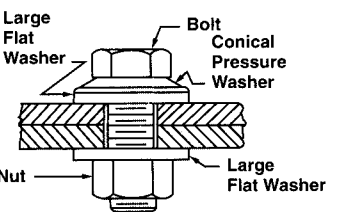
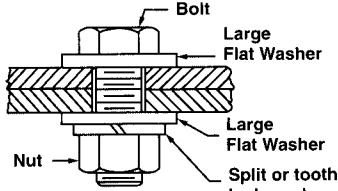
For optimum efficiency, it is necessary that the correct bolt, nut and washer combination be used with the correct combination of conductor materials. Table II shows acceptable methods of joining different combinations of bus bar. Where different combinations of metals are being joined, a follow-up device such as a conical pressure washer is usually recommended if one, or both, bus materials are soft drawn aluminum. If both bars are hard drawn, large flat washers will suffice regardless of the bolt materials.

Other considerations which should be taken into account when selecting hardware are corrosion and vibration. For example, if severe corrosion is anticipated, non-corrosive materials such as stainless steel or silicon bronze, should be selected in preference to galvanized steel. If vibration is anticipated, the use of locking washers should be considered.



**TABLE II
METHODS OF JOINING BUS BARS**

| If "A" Bar is and If "B" Bar is | Copper | Aluminum | Steel | Aluminum | Steel |
|---|---|--|---|---|--|
| Hard Drawn Bus such as aluminum alloy. | Copper (1) Silicon Bronze (2) Stainless Steel | Copper (1) Silicon Bronze (2) Aluminum (3) Stainless Steel | Copper (1) Silicon Bronze (2) Stainless Steel | Aluminum (1) Aluminum (2) Stainless Steel (3) Silicon Bronze, Plated | Aluminum (1) Aluminum (2) Stainless Steel |
| Soft Drawn Bus such as EC-H13 Aluminum. | (1) Silicon Bronze (2) Stainless Steel | (1) Silicon Bronze (2) Aluminum (3) Stainless Steel (4) Conical Pressure Washer Plated or Stainless Steel | (1) Silicon Bronze (2) Stainless Steel | (1) Aluminum (2) Stainless Steel (3) Silicon Bronze Plated (4) Conical Pressure Washer Plated or Stainless Steel | (1) Aluminum (2) Stainless Steel (3) Conical Pressure Washer Plated or Stainless Steel |



(1) Denotes preferred hardware usage
Note: Contact sealant recommended between aluminum to aluminum and aluminum to copper connections, unless other protective measures are taken.

Bar Connections

The tang of a compression or a mechanical connector is a bus bar, which connects to another bus bar. If you remember the rule about wire brushing and using joint compound with bare (unplated) aluminum, you cannot go wrong. Plated parts should be cleaned with a solvent if they are dirty, but never abrade or otherwise disturb the plating! Fig. 3 shows a typical bar connection and the type of hardware used.

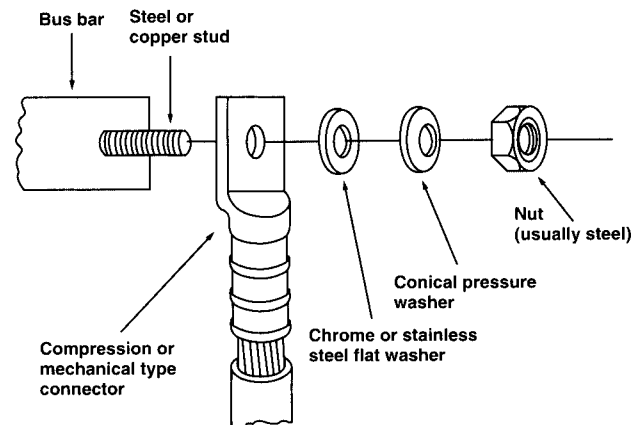


Figure 3. Contact surfaces must be clean. Use a joint compound with bare aluminum. Conical pressure washer is usually recommended if one, or both, bus materials are soft drawn aluminum.

Subject: Restriction of Hazardous Substances (RoHS)
European Directive 2011/65/EU

As of July 1st 2006 ILSCO Corporation is capable of supplying all items offered for sale compliant with the standards listed in the RoHS directive.

All cataloged items are RoHS Compliant unless noted to the contrary.

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Access to Cross Reference can be found under Reference Tab at www.ILSCO.com

Two Ways to Search

1. Type in all or part of the competitive or IlSCO part number into the **SEARCH** box in the header, then click **GO**.
2. Click "Search Options" in the header. From there, you are given five ways to search.

By Keyword: Type in a keyword and click **GO**. For example, typing "splice" will return a list of products that can be used to splice conductor. You can click on any of the products listed and you will be taken to the catalog page.

By IlSCO Catalog #: Type in all or part of the IlSCO part number and click **GO**. You can click on any of the products listed and you will be taken to the catalog page.

By UPC/NAED Part #: Type in the IlSCO UPC number and click **GO**. The IlSCO corporate identifier, 783669, is already given. For example, typing "88774" will return information on "TA-2".

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Choose a category: Select a product category from the list and click **GO**. You will receive a list of the product groups in that category. You can click on any of the products listed and you will be taken to the catalog page.

If your request is not in our database, you will be sent to a screen where you can send an e-mail to IlSCO's technical support department. Your request will be answered promptly.

This cross reference information has been compiled from tables, catalogs and data which are generally available. Since changes are made regularly in the industry, we cannot accept responsibility for any errors, but we will endeavor at all times to keep these tables up-to-date. Refer to our current catalog for exact specifications on ILSCO connectors. All connectors are not exact equals, but enough similarities exist that they can be used for the same application.

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 800.776.9775 • 513.533.6200 • f 513.871.4084
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ILSCO of Canada Company • 615 B Orwell Street, Mississauga, Ontario, L5A 2W4
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