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Introduction

The Thomas & Betts Method is Better.

The Thomas & Betts method of installing compression connectors on power cables is designed to provide a high degree of reliability in electrical wiring. This method allows electrical workers to make installations with little effort and at a considerable savings in time. The benefit, of course, is a high quality connection at a low installed cost.

Just Four Easy Steps to a Perfect Connection!

Step 1

Strip the insulation carefully to avoid nicking or cutting conductors (wire brush if required).

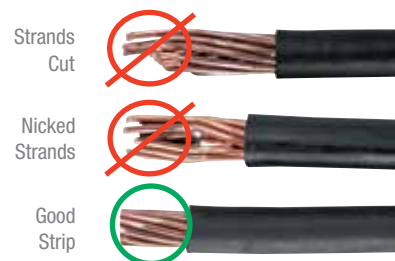
Strip the insulation to the proper length so that conductors can be fully inserted into the connector barrel.



Strip Length Too Long

Strip Length Too Short

Strip Length Just Right



Strands Cut

Nicked Strands

Good Strip



Step 2

Determine the proper Color-Keyed® Connector for the cable size being used. Connectors are marked to show cable size.

Cable size



- Connectors marked with just cable size or Cu should be used on copper conductors only.
- Connectors marked "AL9" with the cable size should be used on aluminum conductors only.
- Connectors marked "AL9CU" with the cable size may be used on aluminum or copper conductors.

Note: Aluminum lugs with a "9" indicate 90°C rating.

Introduction

Step 3

Select the proper installing die and appropriate tool.

Color-Keyed® Connectors have coloured bands or coloured dots that correspond to colour markings on the dies.

Connectors and dies also have a die code number marked or stamped on them. Dies have a code number engraved in the crimp surface.



Colour Codes



Die Code Marking

Coloured Bands



Die Code Engraving

Coloured Stripe

Step 4

Locate tool with correct die in proper position on connector and activate tool.

When making multiple crimps, make the first crimp nearest the tongue and work towards the barrel end.

When properly crimped, the die code number will be embossed on the connector for easy inspection to determine if correct die and connector combination were used.

Copper
Die to be positioned
BETWEEN bands



Aluminum
Die to be positioned
ON bands



Die location for compression



Coloured bands



Die code embossed

Color-Keyed® Connectors are banded by coloured stripes or engraving to indicate location of die on connector for compression.

Thomas & Betts uses “full-width” and “half-width” dies dependent on connector size and tool used. “Half-width” dies are marked with the letter “H” after the die code number.

Refer to the instruction sheet supplied with the connectors for information regarding strip length, die selection and number of compressions.



Introduction

Precision Dies form a Solid Homogeneous Mass

The T&B method utilizing compression tools with matching dies forms the connector and conductor into a solid, homogeneous mass to provide an optimum electrical bond between connector and conductor.

Thomas & Betts method dies are designed to produce a circumferential, hex- or diamond-shaped compression rather than a simple indent. Precision dies are an integral part of the Thomas & Betts method. The precision hardened steel dies exert tremendous, controlled pressure on the connector and conductor. The dies compress the connector around the cable, converting the round strands to hexagonal or diamond shapes and forming the strands and connector into a solid mass. Each die is designed so that all conductors receive the same amount of compression force.

The circumferential compression creates a large area of high-pressure contact between cable and connector which, in turn assures high-conductivity, low resistance and high pullout values which exceed CSA and UL requirements. These features result in a permanent, low-installed cost connection. You can install it and forget it.

Thomas & Betts' System Tells You Where to Place the Installing Die

Color-Keyed® connectors not only identify the correct installing die to be used for positive compressions, but also indicate the proper placement of the die on the connector. This is done by the bands of colour on the connector which match the colour on the dies. Compression is made between or on these colour bands. The colour name is also spelled on the connector as an added means of identification.

Copper
Die to be positioned
BETWEEN bands



Aluminum
Die to be positioned
ON bands



Color-Keyed® Connectors are banded by coloured stripes or engraving to indicate location of die on connector for compression.



Before compression, a typical cross section of cable and connector consists of about 75% metal and 25% air.



After air compression by the T&B Method, the cross section looks like this, 100% metal with virtually no air spaces.

Thomas & Betts Dies Offer Inspection Capability

Dies that are used in Thomas & Betts hand and hydraulic tools contain the "die code" numbers which are engraved on the compression surface of the die. Under compression, this number becomes embossed on the completed connection for inspection purposes.

The inspector compares the die code number embossed on the connector with the die table to ensure that the proper connector was compressed with the correct die for that particular size conductor.



Introduction

Quality Tooling with the Shure Stake® Mechanism

T&B manual tools with the exclusive Shure Stake® mechanism take the guesswork out of making compression connections. The Shure Stake® mechanism provides a full cycle compression stroke every time. Once the stroke has started, the tool will not release the connector until the proper amount of force has been applied. This is your assurance of a fully compressed connection. T&B compression tools develop uniform, controlled pressure to each connector within their size range. Thomas & Betts offers electric and battery-powered hydraulic pumps with a Shure Stake® feature that guarantees a full cycle compression.



Battpac® LT Pump

The newest battery-powered hydraulic pump, rated for 10,000 psi. Portable power for all T&B hydraulic heads, using just one Ni-MH 24 V rechargeable battery.



TBM62BSCR

Single-handed battery-powered compression tool, features rotating head and comfortable balance. For connectors up to 500 kcmil Cu, 350 kcmil Al.



TBM6S

Hard-operated crimping tool, features Shure Stake® mechanism to insure a completed crimp. For connectors up to 500 kcmil Cu, 350 kcmil Al.

Thomas & Betts Method Components Meet Industry Standards

Depending on the application, all Thomas & Betts copper connectors meet UL standard for code stranded and 24 gauge flex, CSA standard requirements for power and UL and CSA standards requirements for direct buried grounding.

T&B method connectors are available in a range of sizes and styles to accommodate copper and larger aluminum cable. They may be compressed on cable with either manual or hydraulic tools. They are offered with standard length or long barrels, with one bolt or two bolt holes, or in two-way styles, for splicing applications. Two-way connectors are compact, providing high pullout values with low resistance.

Color-Keyed® two-hole lugs are ideal for bus bar applications that require two bolts to prevent lug rotation.

The T&B Method is the most efficient, highest quality connection that has been engineered and delivers the best electrical performance and highest reliability. T&B compression connectors eliminate risk of problems relating to loose connections when installed properly.

High Grade Materials Incorporated in Thomas & Betts Method

Low-installed cost connections of superior quality can be achieved only through the use of high grade components. That is an important part of the T&B method – quality products you can depend on.

Copper Color-Keyed® connectors are made of high-conductivity wrought copper and electro-tin plated to prevent corrosion and to improve conductivity. Thomas & Betts Color-Keyed® connectors offer the thickest tin-plating in the industry. Other copper connectors for heavy duty use and grid grounding applications are made of high-conductivity cast copper, bright finished.

High-conductivity cast aluminum connectors are available for heavy-duty application.



Introduction

Color-Keyed® Special Lugs for Special Problems — Angled, Shaped and Flared the Way You Need Them

Thomas & Betts can solve your difficult wire bending and terminating problems in confined power distribution panels, switchgear and motor control enclosures.

We have the design and production capability to deliver exactly the type lug you need, shaped the way you need.

- Straight, 45° and 90° angle
- Stacking or non-stacking
- Narrow-tongue or standard
- Tin, silver and nickel plating available

Thomas & Betts offers an extensive line of copper Color-Keyed® lugs for #8 AWG through 1000 kcmil flex and code cables. The lug tongues are modified in several different configurations to meet your exact needs: 45° and 90° bend angles, narrow-tongues to fit into circuit breakers, offset tongues to stack two cables and special stud hole drilling. These special configurations let you:

1. Run cable directly to the bus bar with no bending
2. Terminate into very narrow spaces
3. Utilize minimal bus bar space

The specially designed lugs help you “clean up” your cabling in crowded enclosures.

The pictures show some examples of how and where the lugs can be used.



Customized Color-Keyed® Connectors for Copper Cables

- Standard and special tongue angles, stacking and non-stacking, bolt holes sizes and centers, protective platings.
- Specially modified one and two hole copper Color-Keyed® compression lugs, Series 54100, 54200, 54850BE and 54930BE for flex and code copper stranded cables. Material: high-conductivity wrought copper.
- Minimum order quantity: Standard package quantity by cable size. Consult your Regional Sales Office for price and delivery. All customized lugs are made to order and cannot be cancelled.



Introduction

Order Form (to be scanned or photocopied)

Catalogue No. _____ Qty. _____

Design Controls and Requirements

All "MADE-UP" catalogue numbers start with a standard or basic catalogue number and are followed by the customer-required extra features: Tongue shape, bolt hole size, distance between bolt holes, stacking, plating and inspection hole (peep hole). A code letter or a number has been assigned to each extra feature. See CODE CABLE TABLE below.

- Notes: 1) Lack of any of the extra features on the "MADE-UP" catalogue number means that the standard Cat. No. features are prevalent.
 2) If either bolt hole size or distance between bolt holes needs to be changed from standard Cat. No., both code numbers will appear on the "MADE-UP" Cat. No. (see example below).

Cat. No. 54212UB0416BSP

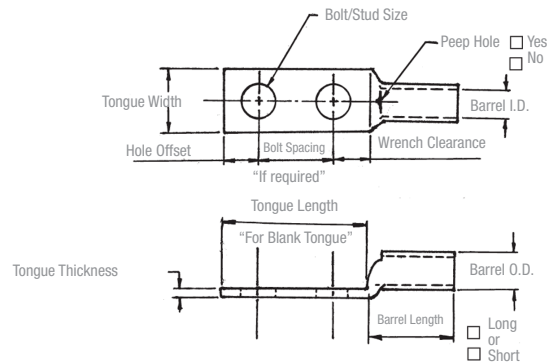
| | | | | |
|--|-------------|----------------------|-----------------------|-----------------|
| 54212 | UB | 04 | 16 | B |
| 2 hole 4/0 Cu lug basic cat. no. | 90° bend | 1/4 in. bolt hole | 1 in. hole spacing | bottom stack |

Code Cable Table

| Tongue Shape | | Bolt Holes Size .020 | | Code | Bolt Hole Centers | | Stacking | | Finish (Plating) | | Inspection Hole (Long Barrel) | | Inspection Hole (Short Barrel) | |
|----------------|------|----------------------|-------|------|------------------------|------|----------|------|------------------|------|-------------------------------|------|--------------------------------|------|
| Type | Code | | | | Center to Center (in.) | Code | Type | Code | Type 1 | Code | I.D. | Code | I.D. | Code |
| 45° | UF | #8 | 0.173 | 02 | 1/2 | 08 | Top | T** | Silver | SP | Peep Hole | PH | Blind End | BE |
| 90° | UB | #10 | 0.204 | 03 | 5/8 | 10 | Bottom | B | Lead | LP | | | | |
| Blank | BT | 1/4 | 0.281 | 04 | 3/4 | 12 | | | Nickel | NP | 150° | | | |
| (No Bolt Hole) | | 5/16 | 0.344 | 05 | 7/8 | 14 | | | Plain Finish | PF | | | | |
| | | 3/8 | 0.406 | 06 | 1 | 16 | | | No Marking | NM | | | | |
| | | 1/2 | 0.531 | 08 | 1-1/8 | 18 | | | | | | | | |
| | | 5/8 | 0.656 | 10 | 1-1/4 | 20 | | | | | | | | |
| | | 3/4 | 0.812 | 12 | 1-3/8 | 22 | | | | | | | | |
| | | 1/8 | 0.937 | 14 | 1-1/2 | 24 | | | | | | | | |
| | | 1 | 1.062 | 16 | 1-5/8 | 26 | | | | | | | | |
| | | | | | 1-3/4 | 28 | | | | | | | | |
| | | | | | *1-7/8 | 30 | | | | | | | | |
| | | | | | *2 | 32 | | | | | | | | |

* These bolt centers are not available for bolt holes larger than 13/16 in.
 ** Not required for 45° & 90° Top Stacking.

| | | |
|---|------------------------------|------------------------------|
| Cable | Code | <input type="checkbox"/> |
| | Weld | <input type="checkbox"/> |
| <input type="checkbox"/> #8 | <input type="checkbox"/> #6 | <input type="checkbox"/> #4 |
| <input type="checkbox"/> #2 | <input type="checkbox"/> #1 | <input type="checkbox"/> 1/0 |
| <input type="checkbox"/> 2/0 | <input type="checkbox"/> 3/0 | <input type="checkbox"/> 4/0 |
| <input type="checkbox"/> 250 kcmil & up (Code cable Only) | | |



Introduction

Tongue Specifications — See Chart “A” for Dimensions

| Stud Sizes | | |
|-----------------------------------|----------------------------------|----------------------------------|
| <input type="checkbox"/> #8 | <input type="checkbox"/> #10 | <input type="checkbox"/> 1/4 in. |
| <input type="checkbox"/> 5/16 in. | <input type="checkbox"/> 3/8 in. | <input type="checkbox"/> 1/2 in. |
| <input type="checkbox"/> 5/8 in. | <input type="checkbox"/> 3/4 in. | <input type="checkbox"/> 7/8 in. |
| <input type="checkbox"/> 1 in. | | |

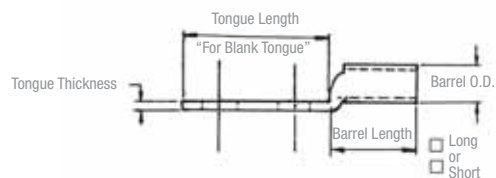
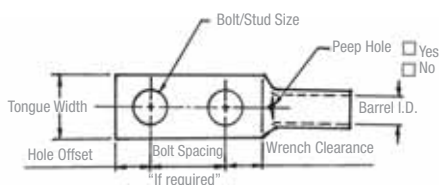


Chart A

| Nominal Bolt Hole | Hole Offset | Min. Wrench Clearance | Tongue Width Cable Size | | | | | | | | | | |
|-------------------|-------------|-----------------------|-------------------------|--------------------|---------|--------------------|--------------------|---------------------|----------------------|----------------------|----------------------|----------|-------|
| | | | #8 Code #8 Weld | #6 Code #6 Weld | #4 Code | #2 Code #4 Weld | #1 Code #2 Weld | 1/0 Code #1 Weld | 2/0 Code 1/0 Weld | 3/0 Code 2/0 Weld | 4/0 Code 3/0 Weld | 250 Code | |
| #8 | 0.173 | 0.200 | 0.240 | 0.406 | 0.437 | 0.562 | 0.593 | 0.672 | 0.750 | 0.825 | 0.937 | 1.030 | 1.125 |
| #10 | 0.204 | 0.218 | 0.250 | | | | | | | | | | |
| 1/4 | 0.281 | 0.250 | 0.312 | | | | | | | | | | |
| 5/16 | 0.344 | 0.375 | 0.406 | 0.562 | 0.562 | 0.594 | 0.675 | 0.750 | 0.750 | 0.750 | 0.937 | 1.030 | 1.125 |
| 3/8 | 0.406 | 0.375 | 0.440 | 0.578 | 0.578 | | | | | | | | |
| 1/2 | 0.531 | 0.500 | 0.562 | - | - | - | - | - | - | - | - | - | - |
| 5/8 | 0.656 | 0.812 | 0.875 | | | | | | | | | | |
| 3/4 | 0.812 | 0.750 | 0.770 | - | - | - | - | - | - | - | - | - | - |
| *7/8 | 0.937 | 0.875 | 0.890 | | | | | | | | | | |
| *1 | 1.062 | 0.937 | 1.000 | - | - | - | - | - | - | - | - | - | - |

* These bolt holes are available in one hole lug only. Dimensions are in inches.

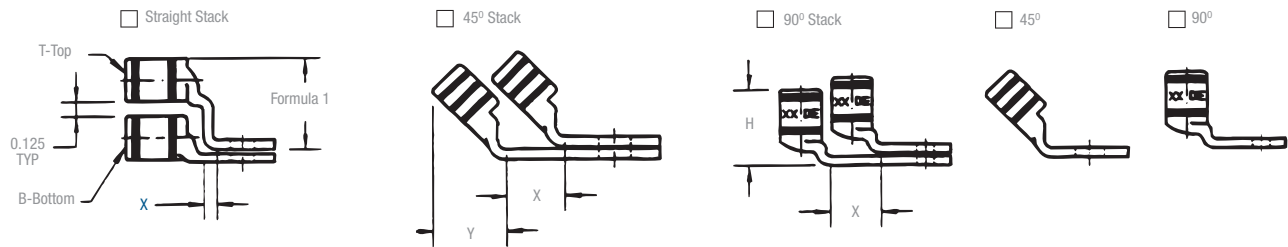
Chart B

| Cable Size | Tongue Thickness | Straight Lug Barrel Length | | Barrel | | Dim. "X" Stacked Lugs | | | Dim. "Y" | | Dim. "H" | |
|------------|------------------|----------------------------|-------|--------|-------|-----------------------|-------|-------|----------|-------|----------|-------|
| | | Short | Long | O.D. | I.D. | Straight | 45° | 90° | Short | Long | Short | Long |
| #8 | 0.080 | 0.635 | 0.935 | 0.260 | 0.180 | 0.158 | 0.478 | 0.394 | 0.595 | 0.808 | 0.779 | 1.079 |
| #6 | 0.081 | 0.675 | 0.975 | 0.296 | 0.215 | 0.134 | 0.544 | 0.432 | 0.587 | 0.799 | 0.767 | 10.67 |
| #4 | 0.099 | 0.685 | 0.985 | 0.365 | 0.266 | 0.175 | 0.622 | 0.502 | 0.637 | 0.849 | 0.838 | 1.138 |
| #2 | 0.108 | 0.815 | 1.115 | 0.410 | 0.302 | 0.216 | 0.649 | 0.535 | 0.711 | 0.923 | 0.958 | 1.258 |
| #1 | 0.106 | 0.825 | 1.275 | 0.467 | 0.361 | 0.212 | 0.731 | 0.592 | 0.710 | 1.028 | 0.956 | 1.406 |
| 1/0 | 0.125 | 0.975 | 1.325 | 0.520 | 0.396 | 0.250 | 0.789 | 0.646 | 0.794 | 1.042 | 1.075 | 1.425 |
| 2/0 | 0.125 | 0.965 | 1.315 | 0.571 | 0.446 | 0.250 | 0.859 | 0.696 | 0.829 | 1.077 | 1.125 | 1.475 |
| 3/0 | 0.125 | 1.085 | 1.435 | 0.632 | 0.507 | 0.250 | 0.946 | 0.757 | 0.900 | 1.148 | 1.225 | 1.575 |
| 4/0 | 0.137 | 1.255 | 1.705 | 0.701 | 0.564 | 0.274 | 1.031 | 0.826 | 1.015 | 1.333 | 1.387 | 1.837 |
| 250 | 0.137 | 1.375 | 1.925 | 0.766 | 0.629 | 0.274 | 1.123 | 0.891 | 1.085 | 1.474 | 1.487 | 2.037 |
| 300 | 0.153 | 1.900 | 2.675 | 0.850 | 0.660 | 0.459 | 1.226 | 0.975 | 1.180 | 1.726 | 1.924 | 2.679 |
| 350 | 0.177 | 2.090 | 2.896 | 0.926 | 0.720 | 0.531 | 1.333 | 1.103 | 1.267 | 1.830 | 2.096 | 2.896 |
| 400 | 0.173 | 2.460 | 2.980 | 0.960 | 0.757 | 0.519 | 1.370 | 1.085 | 1.551 | 1.913 | 2.484 | 2.984 |
| 500 | 0.218 | 2.670 | 3.610 | 1.100 | 0.852 | 0.654 | 1.514 | 1.225 | 1.629 | 2.266 | 2.669 | 3.619 |
| 600 | 0.244 | 2.900 | 3.490 | 1.200 | 0.926 | 0.732 | 1.630 | 1.325 | 1.762 | 2.147 | 2.897 | 3.497 |
| 700 | 0.228 | 2.784 | - | 1.255 | 0.997 | 0.684 | 1.662 | 1.375 | 1.780 | - | 3.011 | - |
| 750 | 0.270 | 3.050 | 3.925 | 1.330 | 1.030 | 0.810 | 1.745 | 1.455 | 1.827 | 2.434 | 3.050 | 3.925 |
| 800 | 0.266 | 3.213 | - | 1.375 | 1.079 | 0.800 | 1.728 | 1.625 | 1.952 | 2.787 | 3.213 | 4.554 |
| 900 | 0.313 | 3.450 | 4.550 | 1.500 | 1.145 | 0.940 | 1.900 | 1.650 | 2.065 | - | 1.387 | - |
| 1,000 | 0.297 | 3.356 | 4.500 | 1.550 | 1.203 | 0.890 | 2.070 | 1.675 | 2.031 | 2.787 | 1.487 | 4.506 |

Stacking lugs are available for one bolt only. Consult your Regional Sales Office for details. Straight: 700 kcmil & up; 45°: 400 kcmil & up; 90°: 500 kcmil & up. Dimensions are in inches.

Introduction

Tongue Specifications — See Chart “A” for Dimensions



Formula 1 = (0.125 + 2 (OD) + 0.037 – Tongue Thickness)

Chart C

| Tongue Width 0.030 / Code Cable Size | | | | | | | | | | | |
|--------------------------------------|-----------------------|-----------|-----------|-----------------------|-----------------------|---------|--------------|--------------|--------------|--------------|---------------|
| Bolt Hole Size | 300 kcmil 4/0 Weld | 350 kcmil | 400 kcmil | 500 kcmil 400 Weld | 600 kcmil 500 Weld | 1325/24 | 700 kcmil | 750 kcmil | 800 kcmil | 900 kcmil | 1000 kcmil |
| #8 | - | - | - | - | - | - | - | - | - | - | - |
| #10 | - | - | - | - | - | - | - | - | - | - | - |
| 1/4 | 1.250 | 1.355 | 1.410 | 1.605 | 1.745 | 1.805 | 1.840 | 1.935 | 2.010 | 2.180 | 2.265 |
| 5/16 | | | | | | | | | | | |
| 3/8 | | | | | | | | | | | |
| 1/2 | | | | | | | | | | | |
| 5/8 | | | | | | | | | | | |
| 3/4 | - | - | - | - | - | - | - | - | - | - | |
| *7/8 | - | - | - | - | - | - | - | - | - | - | - |
| *1 | - | - | - | - | - | - | - | - | - | - | - |

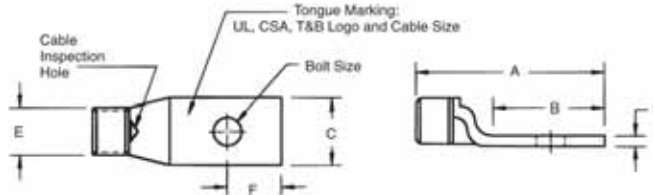
* These bolt holes are available in one hole lug only. Dimensions are in inches.



Compression Connectors for Copper Conductors

One-Hole Lugs — Standard Barrel Certified to 600 V and Recommended up to 35 kV[‡]

Material: High-Conductivity Wrought Copper
Finish: Electro-Tin Plated



| Cat. No. | Wire Size | | Bolt Size | Dimensions in. (mm) | | | | | | Die Code | Colour Code |
|----------------|------------|---|-------------|---------------------|-------------|-------------|-------------|-------------|-------------|----------|-------------|
| | Code Cable | Flex Cable Classes G, H, I, K, M | | A | B | C | D | E | F | | |
| 54101 | #14-10 AWG | - | 1/4 | 1.23 (31.2) | 0.56 (14.2) | 0.50 (12.7) | 0.05 (1.3) | 0.20 (5.1) | 0.25 (6.4) | ERG2002 | Yellow |
| 256-30695-1351 | | | #8 | 1.36 (34.5) | 0.68 (17.3) | 0.36 (9.1) | 0.05 (1.3) | 0.20 (5.1) | 0.25 (6.4) | | |
| 256-30695-1352 | | | 1/4 | 1.36 (34.5) | 0.68 (17.3) | 0.41 (10.4) | 0.05 (1.3) | 0.20 (5.1) | 0.25 (6.4) | | |
| 256-30695-263 | | | 1/4 | 1.69 (43.0) | 0.81 (20.6) | 0.50 (12.7) | 0.07 (1.8) | 0.20 (5.1) | 0.25 (6.4) | | |
| 54104 | #8 AWG | #8 Str., 23 Navy #8 Weld 37/24 0.180 | #10 | 1.16 (29.5) | 0.50 (12.7) | 0.39 (9.9) | 0.08 (2.0) | 0.25 (6.4) | 0.22 (5.6) | 21 | Red |
| 54130 | | | 1/4 | 1.20 (30.5) | 0.61 (15.5) | 0.45 (11.4) | 0.07 (1.8) | 0.25 (6.4) | 0.25 (6.4) | | |
| 54131 | | | 5/16 | 1.33 (33.8) | 0.64 (16.3) | 0.56 (14.2) | 0.05 (1.3) | 0.25 (6.4) | 0.28 (7.1) | | |
| 54132 | | | 3/8 | 1.33 (33.8) | 0.64 (16.3) | 0.56 (14.2) | 0.05 (1.3) | 0.25 (6.4) | 0.28 (7.1) | | |
| 256-30695-424 | | | 1/2 | 1.75 (44.5) | 1.31 (33.3) | 1.00 (25.4) | 0.13 (3.3) | 0.25 (6.4) | 0.50 (12.7) | | |
| 256-30695-1361 | #6 AWG | #6 Str., #30 Navy #6 Weld 61/24 133/0.014, 0.227 | #12 | 1.23 (31.2) | 0.53 (13.5) | 0.44 (11.2) | 0.07 (1.8) | 0.31 (7.8) | 0.22 (5.6) | 24 | Blue |
| 54134 | | | #10 | 1.23 (31.2) | 0.53 (13.5) | 0.44 (11.2) | 0.07 (1.8) | 0.31 (7.8) | 0.22 (5.6) | | |
| 54105 | | | 1/4 | 1.23 (31.2) | 0.53 (13.5) | 0.44 (11.2) | 0.07 (1.8) | 0.31 (7.8) | 0.22 (5.6) | | |
| 54135 | | | 5/16 | 1.41 (35.8) | 0.67 (17.0) | 0.60 (15.2) | 0.07 (1.8) | 0.31 (7.8) | 0.31 (7.9) | | |
| 54136 | | | 3/8 | 1.41 (35.8) | 0.67 (17.0) | 0.60 (15.2) | 0.07 (1.8) | 0.31 (7.8) | 0.31 (7.9) | | |
| 256-30695-282 | | | 3/8 | 1.41 (35.8) | 0.75 (19.1) | 0.56 (14.2) | 0.06 (1.5) | 0.31 (7.8) | 0.31 (7.9) | | |
| 256-30695-422 | 1/2 | 1.75 (44.5) | 1.31 (33.3) | 1.00 (25.4) | 0.13 (3.3) | 0.31 (7.8) | 0.50 (12.7) | | | | |
| 256-30595-1362 | #4 AWG | #5 Str., 40-50 Navy 91/24 133/0.0177, 49/0.029 0.265 | #12 | 1.38 (35.1) | 0.60 (15.2) | 0.55 (14.0) | 0.09 (2.3) | 0.37 (9.4) | 0.25 (6.4) | 29 | Grey |
| 54138 | | | #10 | 1.38 (35.1) | 0.60 (15.2) | 0.55 (14.0) | 0.09 (2.3) | 0.37 (9.4) | 0.25 (6.4) | | |
| 54106 | | | 1/4 | 1.38 (35.1) | 0.60 (15.2) | 0.55 (14.0) | 0.09 (2.3) | 0.37 (9.4) | 0.25 (6.4) | | |
| 54139 | | | 5/16 | 1.42 (36.1) | 0.66 (16.8) | 0.61 (15.5) | 0.07 (1.8) | 0.37 (9.4) | 0.31 (7.9) | | |
| 54140 | | | 3/8 | 1.42 (36.1) | 0.66 (16.8) | 0.61 (15.5) | 0.07 (1.8) | 0.37 (9.4) | 0.31 (7.9) | | |
| 256-30695-233 | | | 3/8 | 1.56 (37.0) | 0.75 (19.1) | 0.59 (15.0) | 0.06 (1.5) | 0.37 (9.4) | 0.31 (7.9) | | |
| 256-30695-264 | 1/2 | 2.20 (56.0) | 1.40 (35.6) | 1.00 (25.4) | 0.06 (1.5) | 0.37 (9.4) | 0.50 (12.7) | | | | |
| 54107 | #2 AWG | #3 Str., #60 Navy 125/24 #4 Weld 0.300 | 1/4 | 1.50 (38.1) | 0.65 (16.5) | 0.59 (15.0) | 0.11 (2.8) | 0.41 (10.4) | 0.25 (6.4) | 33 | Brown |
| 54142-TB | | | 5/16 | 1.73 (43.9) | 0.88 (22.4) | 0.59 (15.0) | 0.11 (2.8) | 0.41 (10.4) | 0.38 (9.7) | | |
| 54143-TB | | | 3/8 | 1.65 (41.9) | 0.80 (20.3) | 0.59 (15.0) | 0.11 (2.8) | 0.41 (10.4) | 0.38 (9.7) | | |
| 54145-TB | | | 1/2 | 1.92 (48.8) | 1.08 (27.4) | 0.75 (19.1) | 0.08 (2.0) | 0.41 (10.4) | 0.50 (12.7) | | |
| 54108 | #1 AWG | #2 Str., 75 Navy, #2 Weld 150/24 175/24 133/0.0223, 0.360 | 1/4 | 1.50 (38.1) | 0.65 (16.5) | 0.68 (17.3) | 0.11 (2.8) | 0.47 (11.9) | 0.25 (6.4) | 37 | Green |
| 54147 | | | 5/16 | 1.73 (43.9) | 0.93 (23.6) | 0.68 (17.3) | 0.11 (2.8) | 0.47 (11.9) | 0.38 (9.7) | | |
| 54148 | | | 3/8 | 1.78 (45.2) | 0.98 (24.9) | 0.68 (17.3) | 0.11 (2.8) | 0.47 (11.9) | 0.38 (9.7) | | |
| 54150 | | | 1/2 | 2.10 (53.3) | 1.25 (31.8) | 0.76 (19.3) | 0.11 (2.8) | 0.47 (11.9) | 0.50 (12.7) | | |
| 54152-TB | 1/0 AWG | 1 AWG, #100 Navy #1 Weld 225/24 133/0.0254, 0.389 min. | 1/4 | 1.60 (40.6) | 0.65 (16.5) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.25 (6.4) | 42 | Pink |
| 54153-TB | | | 5/16 | 1.83 (46.5) | 0.88 (22.4) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.38 (9.7) | | |
| 54109 | | | 3/8 | 1.88 (47.8) | 0.93 (23.6) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.38 (9.7) | | |
| 54155-TB | | | 1/2 | 2.20 (55.9) | 1.25 (31.8) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.50 (12.7) | | |
| 256-30695-1383 | 2/0 AWG | 1/0 AWG, 125 Navy 1/0 Weld 275/24 427/0.0155, 438 min. 133/0.0282 | 5/8 | 2.54 (64.5) | 1.50 (38.1) | 0.88 (22.4) | 0.13 (3.3) | 0.52 (13.2) | 0.63 (16.0) | 45 | Black |
| 54157 | | | 1/4 | 1.65 (41.9) | 0.65 (16.5) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.25 (6.4) | | |
| 54158 | | | 5/16 | 1.88 (47.8) | 0.88 (22.4) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.38 (9.7) | | |
| 54110 | | | 3/8 | 1.93 (49.0) | 0.93 (23.6) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.38 (9.7) | | |
| 54160 | 1/2 | 2.25 (57.2) | 1.25 (31.6) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.50 (12.7) | | | | |
| 256-30695-131 | 5/8 | 2.56 (65.0) | 1.50 (38.1) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.63 (16.0) | | | | |

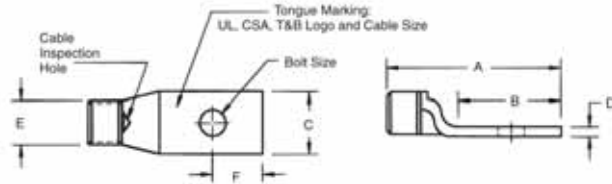
[‡] For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements. Call your Regional Sales Office for sizes not listed.

Tooling: pp. E4-E62

Die Selector Chart: pp. E35-E50

Compression Connectors for Copper Conductors

One-Hole Lugs — Standard Barrel Certified to 600 V and Recommended up to 35 kV[‡] (cont'd)



Material: High-Conductivity Wrought Copper

Finish: Electro-Tin Plated



| Cat. No. | Wire Size | | Bolt Size | Dimensions in. (mm) | | | | | | Die Code | Colour Code | |
|-----------------------|------------------------|----------------------------------|-------------|---------------------|-------------|-------------|-------------|-------------|-------------|----------|-------------|-------------|
| | Code Cable | Flex Cable Classes G, H, I, K, M | | A | B | C | D | E | F | | | |
| 54162-TB | 3/0 AWG | 2/0 AWG, 150 Navy | 1/4 | 1.75 (44.5) | 0.65 (16.5) | 0.92 (23.4) | 0.13 (3.3) | 0.63 (16.0) | 0.25 (6.4) | 50 | Orange | |
| 54163-TB | | 2/0 Weld | 5/16 | 1.98 (50.3) | 0.88 (22.4) | 0.92 (23.4) | 0.13 (3.3) | 0.63 (16.0) | 0.38 (9.7) | | | |
| 54111 | | 133/0.0316, 259/0.0227 | 3/8 | 2.03 (51.6) | 0.93 (23.6) | 0.92 (23.4) | 0.13 (3.3) | 0.63 (16.0) | 0.38 (9.7) | | | |
| 54165-TB | | 427/0.0177, 0.500 | 1/2 | 2.35 (59.7) | 1.25 (31.8) | 0.92 (23.4) | 0.13 (3.3) | 0.63 (16.0) | 0.50 (12.7) | | | |
| 54167 | 4/0 AWG | 3/0 AWG, 200 Navy | 1/4 | 1.90 (48.3) | 0.65 (16.5) | 1.03 (26.2) | 0.14 (3.6) | 0.70 (17.8) | 0.25 (6.4) | 54 | Purple | |
| 54168 | | 3/0 Weld | 5/16 | 2.13 (54.1) | 0.87 (22.1) | 1.03 (26.2) | 0.14 (3.6) | 0.70 (17.8) | 0.38 (9.7) | | | |
| 54112 | | 450/24 | 3/8 | 2.18 (55.4) | 0.93 (23.6) | 1.03 (26.2) | 0.14 (3.6) | 0.70 (17.8) | 0.38 (9.7) | | | |
| 54170 | | 703/0.0154, 0.560 | 1/2 | 2.50 (63.5) | 1.25 (31.8) | 1.03 (26.2) | 0.14 (3.6) | 0.70 (17.8) | 0.50 (12.7) | | | |
| 256-30695-1174 | - | 4/0 Weld | 1/4 | 2.23 (56.6) | 0.78 (19.8) | 1.25 (31.8) | 0.15 (3.8) | 0.79 (20.1) | 0.38 (9.7) | 62 | Yellow | |
| 58161 | | | 550/24 | 5/16 | 2.33 (59.2) | 0.88 (22.4) | 1.25 (31.8) | 0.15 (3.8) | 0.79 (20.1) | | | 0.38 (9.7) |
| 58162 | | | 130/0.0399 | 3/8 | 2.38 (60.5) | 0.93 (23.6) | 1.25 (31.8) | 0.15 (3.8) | 0.79 (20.1) | | | 0.38 (9.7) |
| 58165 | | | 259/0.0286 | 1/2 | 2.76 (70.1) | 1.25 (31.8) | 1.25 (31.8) | 0.15 (3.8) | 0.79 (20.1) | | | 0.50 (12.7) |
| 58166 | 66 | 5/8 | 3.03 (77.0) | 1.58 (40.1) | 1.25 (31.8) | 0.15 (3.8) | 0.79 (20.1) | 0.83 (21.1) | 250 kcmil | - | | |
| 54172-TB | 4/0 | 250 Navy | 1/4 | 2.00 (50.8) | 0.65 (16.5) | 1.13 (28.7) | 0.14 (3.6) | 0.77 (19.6) | | | 0.50 (12.7) | |
| 54173 | | | 5/16 | 2.23 (56.6) | 0.88 (22.4) | 1.13 (28.7) | 0.14 (3.6) | 0.77 (19.6) | | | 0.38 (9.7) | |
| 54174 | | | 3/8 | 2.28 (57.9) | 0.93 (23.6) | 1.13 (28.7) | 0.14 (3.6) | 0.77 (19.6) | | | 0.38 (9.7) | |
| 54113 | | | 1/2 | 2.60 (66.0) | 1.25 (31.8) | 1.13 (28.7) | 0.14 (3.6) | 0.77 (19.6) | 0.50 (12.7) | | | |
| 58168 | 250 Weld | 1/2 | 2.70 (68.6) | 1.25 (31.8) | 1.25 (31.8) | 0.15 (3.8) | 0.85 (21.6) | 0.50 (12.7) | 300 kcmil | - | | |
| 54178 | 650/24 = 262 kcmil | 5/16 | 2.33 (59.2) | 0.88 (22.4) | 1.25 (31.8) | 0.15 (3.8) | 0.85 (21.6) | 0.38 (9.7) | | | | |
| 54179 | 259/0.0311, 703/0.0189 | 3/8 | 2.43 (61.7) | 0.93 (23.6) | 1.25 (31.8) | 0.15 (3.8) | 0.85 (21.6) | 0.38 (9.7) | | | | |
| 54114 | 250 kcmil | 1/2 | 2.70 (68.6) | 1.25 (31.8) | 1.25 (31.8) | 0.15 (3.8) | 0.85 (21.6) | 0.50 (12.7) | | | | |
| 54181 | 300 Navy | 5/8 | 3.03 (77.0) | 1.58 (40.1) | 1.25 (31.8) | 0.15 (3.8) | 0.85 (21.6) | 0.75 (19.1) | - | - | | |
| 58171 | 350 Navy | 0.719 | 1/2 | 2.85 (72.4) | 1.25 (31.8) | 1.36 (34.5) | 0.18 (4.6) | 0.93 (23.6) | | | 0.50 (12.7) | |
| 256-30695-112 | | | 3/8 | 2.90 (73.7) | 1.25 (31.8) | 1.36 (34.5) | 0.18 (4.6) | 0.93 (23.6) | | | 0.50 (12.7) | |
| 54115 | | | 1/2 | 2.85 (72.4) | 1.25 (31.8) | 1.36 (34.5) | 0.18 (4.6) | 0.93 (23.6) | | | 0.50 (12.7) | |
| 54183 | | | 5/8 | 3.21 (81.5) | 1.28 (32.5) | 1.36 (34.5) | 0.18 (4.6) | 0.93 (23.6) | 0.75 (19.1) | | | |
| 58174 | 350 Weld, 259/0.0368 | 1/2 | 3.35 (85.1) | 1.25 (31.8) | 1.61 (40.9) | 0.22 (5.6) | 1.09 (27.7) | 0.50 (12.7) | 400 kcmil | - | | |
| 54116 | 427/0.0285 | 1/2 | 3.20 (81.3) | 1.25 (31.8) | 1.41 (35.8) | 0.17 (4.3) | 0.96 (24.4) | 0.50 (12.7) | | | | |
| 54185 | 889/0.0201 | 5/8 | 3.53 (89.7) | 1.58 (40.1) | 1.41 (35.8) | 0.17 (4.3) | 0.96 (24.4) | 0.75 (19.1) | | | | |
| 54185 | 300 kcmil | 1/2 | 3.20 (81.3) | 1.25 (31.8) | 1.41 (35.8) | 0.17 (4.3) | 0.96 (24.4) | 0.50 (12.7) | | | | |
| 54185 | 400 Navy, 0.757 | 5/8 | 3.53 (89.7) | 1.58 (40.1) | 1.41 (35.8) | 0.17 (4.3) | 0.96 (24.4) | 0.75 (19.1) | | | | |

‡ For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements. Call your Regional Sales Office for sizes not listed.

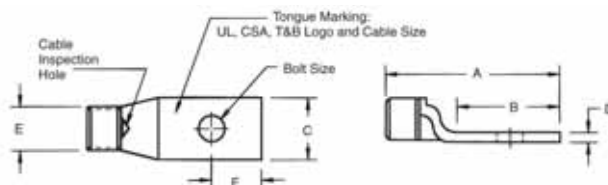
Tooling: pp. E4–E62
Die Selector Chart: pp. E35–E50



Compression Connectors for Copper Conductors

One-Hole Lugs — Standard Barrel Certified to 600 V and Recommended up to 35 kV[‡] (cont'd)

Material: High-Conductivity Wrought Copper
Finish: Electro-Tin Plated

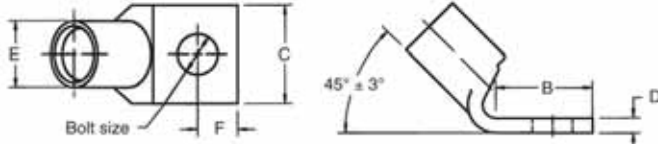


| Cat. No. | Wire Size | | Bolt Size | Dimensions in. (mm) | | | | | | Die Code | Colour Code |
|----------------|------------|---|-----------|---------------------|-------------|-------------|------------|-------------|-------------|----------|-------------|
| | Code Cable | Flex Cable Classes G, H, I, K, M | | A | B | C | D | E | F | | |
| 58177 | - | 400 Weld 925/24 = 373 kcmil 259/0.0393 or 427/0.0306, 0.799 | 1/2 | 3.31 (84.1) | 1.25 (31.8) | 1.61 (40.9) | 0.22 (5.6) | 1.04 (26.4) | 0.50 (12.7) | 80 | - |
| 256-30695-1403 | | | 3/8 | 3.31 (84.1) | 1.31 (33.3) | 1.61 (40.9) | 0.22 (5.6) | 1.04 (26.4) | 0.63 (16.0) | | |
| 256-30695-339 | 500 kcmil | 925/24 500 Navy 0.850 | 3/8 | 3.10 (78.7) | 1.00 (25.4) | 1.61 (40.9) | 0.22 (5.6) | 1.10 (28.0) | 0.38 (9.7) | 87 | Brown |
| 54118 | | | 1/2 | 3.30 (83.8) | 1.25 (31.8) | 1.61 (40.9) | 0.22 (5.6) | 1.10 (27.9) | 0.50 (12.7) | | |
| 54187 | | | 5/8 | 3.63 (92.2) | 1.58 (40.1) | 1.61 (40.9) | 0.22 (5.6) | 1.10 (27.9) | 0.63 (16.0) | | |
| 58180 | - | 1100/24 = 444 kcmil 500 Weld, 259/0.0417 427/0.0325, 703/0.0253 | 5/8 | 3.79 (96.3) | 1.58 (40.1) | 1.75 (44.5) | 0.24 (6.1) | 1.20 (30.5) | 0.63 (16.0) | 94 | Green |
| 256-30695-1370 | 600 kcmil | 0.956 | 1/2 | 3.65 (92.7) | 1.44 (36.6) | 1.75 (44.5) | 0.24 (6.1) | 1.20 (30.5) | 0.48 (12.2) | | |
| 54120 | | | 5/8 | 3.79 (96.3) | 1.58 (40.1) | 1.75 (44.5) | 0.24 (6.1) | 1.20 (30.5) | 0.63 (16.0) | | |
| 54122-TB | 700 kcmil | - | 5/8 | 3.68 (93.5) | 1.58 (40.1) | 1.84 (46.7) | 0.23 (5.8) | 1.26 (32.0) | 0.63 (16.0) | 99 | Pink |
| 256-30695-1404 | - | 1325/24 = 500/535 kcmil 427/0.0342, 0.968 | 3/8 | 3.29 (83.6) | 1.29 (32.8) | 1.81 (46.0) | 0.28 (7.1) | 1.25 (31.8) | 0.66 (16.8) | | |
| 256-30695-1405 | | | 1/2 | 3.29 (83.6) | 1.29 (32.8) | 1.81 (46.0) | 0.28 (7.1) | 1.25 (31.8) | 0.66 (16.8) | | |
| 256-30695-840 | | | 5/8 | 3.83 (97.3) | 1.58 (40.1) | 1.81 (46.0) | 0.28 (7.1) | 1.25 (31.8) | 0.63 (16.0) | | |
| 58182 | | | 1/2 | 4.00 (101.6) | 1.69 (42.9) | 1.81 (46.0) | 0.27 (6.9) | 1.33 (33.8) | 0.48 (12.2) | | |
| 256-30695-193 | 750 kcmil | 1.060 | 1/2 | 4.00 (101.6) | 1.69 (42.9) | 1.94 (49.3) | 0.27 (6.9) | 1.33 (33.8) | 0.48 (12.2) | 106 | Black |
| 54123-TB | | | 5/8 | 3.87 (98.3) | 1.58 (40.1) | 1.94 (49.3) | 0.27 (6.9) | 1.33 (33.8) | 0.63 (16.0) | | |
| 58184 | - | 1600/24 = 646 kcmil | 5/8 | 3.80 (96.5) | 1.58 (40.1) | 1.94 (49.3) | 0.27 (6.9) | 1.33 (33.8) | 0.63 (16.0) | 107 | Orange |
| 54124-TB | 800 kcmil | 800 Navy, 1.109 | 5/8 | 4.04 (102.6) | 1.58 (40.1) | 2.01 (51.1) | 0.27 (6.9) | 1.38 (35.1) | 0.63 (16.0) | | |
| 256-30695-843 | 900 kcmil | 1925/24 = 750/777 kcmil 1.187 | 1/2 | 4.31 (109.5) | 1.81 (46.0) | 2.17 (55.1) | 0.31 (7.9) | 1.50 (38.1) | 0.88 (22.4) | 115 | Yellow |
| 54126 | | | 5/8 | 4.15 (105.4) | 1.58 (40.1) | 2.17 (55.1) | 0.31 (7.9) | 1.50 (38.1) | 0.63 (16.0) | | |
| 54128 | 1000 kcmil | 1000 Navy, 1.253 | 5/8 | 4.09 (103.9) | 1.58 (40.1) | 2.27 (57.7) | 0.30 (7.6) | 1.55 (39.4) | 0.63 (16.0) | 125 | - |

[‡] For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements. Call your Regional Sales Office for sizes not listed.
 Tooling: pp. E4-E62
 Die Selector Chart: pp. E35-E50

Compression Connectors for Copper Conductors

One-Hole Lugs — 45° Standard Barrel Certified to 600 V and Recommended up to 35 kV[‡]



Material: High-Conductivity Wrought Copper
Finish: Electro-Tin Plated



| Cat. No. | Wire Size | | Bolt Size | Dimensions in. (mm) | | | | | Die Code | Colour Code |
|-----------------|------------|---|-----------|---------------------|-------------|------------|-------------|-------------|----------|-------------|
| | Code Cable | Flex Cable Classes G, H, I, K, M | | B | C | D | E | F | | |
| 54104UF | #8 AWG | #8 Str., 23 Navy #8 weld 37/24 0.180 | #10 | 0.50 (12.7) | 0.39 (9.9) | 0.08 (2.0) | 0.25 (6.4) | 0.22 (5.6) | 21 | Red |
| 54130UF | | | 1/4 | 0.61 (15.5) | 0.45 (11.4) | 0.07 (1.8) | 0.25 (6.4) | 0.25 (6.4) | | |
| 54131UF | | | 5/16 | 0.64 (16.3) | 0.56 (14.2) | 0.05 (1.3) | 0.25 (6.4) | 0.28 (7.1) | | |
| 54132UF | | | 3/8 | 0.64 (16.3) | 0.56 (14.2) | 0.05 (1.3) | 0.25 (6.4) | 0.28 (7.1) | | |
| 54134UF | #6 AWG | #6 Str., 30 Navy #6 Weld 61/24 133/0.014 0.227 | #10 | 0.53 (13.5) | 0.44 (11.2) | 0.07 (1.8) | 0.31 (7.9) | 0.22 (5.6) | 24 | Blue |
| 54105UF | | | 1/4 | 0.53 (13.5) | 0.44 (11.2) | 0.07 (1.8) | 0.31 (7.9) | 0.22 (5.6) | | |
| 54135UF | | | 5/16 | 0.67 (17.0) | 0.60 (15.2) | 0.07 (1.8) | 0.31 (7.9) | 0.31 (7.8) | | |
| 54136UF | | | 3/8 | 0.67 (17.0) | 0.60 (15.2) | 0.07 (1.8) | 0.31 (7.9) | 0.31 (7.8) | | |
| 54138UF | #4 AWG | #5 Str., 40-50 Navy 91/24 133/0.0177 49/0.029 0.265 | #10 | 0.60 (15.2) | 0.55 (14.0) | 0.09 (2.3) | 0.37 (9.4) | 0.25 (6.4) | 29 | Grey |
| 54106UF | | | 1/4 | 0.60 (15.2) | 0.55 (14.0) | 0.09 (2.3) | 0.37 (9.4) | 0.25 (6.4) | | |
| 54139UF | | | 5/16 | 0.66 (16.8) | 0.61 (15.5) | 0.07 (1.8) | 0.37 (9.4) | 0.31 (7.8) | | |
| 54140UF | | | 3/8 | 0.66 (16.8) | 0.61 (15.5) | 0.07 (1.8) | 0.37 (9.4) | 0.31 (7.8) | | |
| 256-30695-264UF | #2 AWG | #3 Str., 60 Navy 125/24 #4 Weld 0.300 | 1/2 | 1.40 (35.6) | 1.00 (25.4) | 0.06 (1.5) | 0.37 (9.4) | 0.50 (12.7) | 33 | Brown |
| 54107UF | | | 1/4 | 0.65 (16.5) | 0.59 (15.0) | 0.11 (2.8) | 0.41 (10.4) | 0.25 (6.4) | | |
| 54142UF | | | 5/16 | 0.88 (22.4) | 0.59 (15.0) | 0.11 (2.8) | 0.41 (10.4) | 0.38 (9.7) | | |
| 54143UF | | | 3/8 | 0.80 (20.3) | 0.59 (15.0) | 0.11 (2.8) | 0.41 (10.4) | 0.38 (9.7) | | |
| 54145UF | #1 AWG | #2 AWG, 75 Navy, #2 Weld 150/24 175/24 133/0.0223 0.360 | 1/2 | 1.08 (27.4) | 0.75 (19.1) | 0.08 (2.0) | 0.41 (10.4) | 0.50 (12.7) | 37 | Green |
| 54108UF | | | 1/4 | 0.65 (16.5) | 0.68 (17.3) | 0.11 (2.8) | 0.47 (11.9) | 0.25 (6.4) | | |
| 54147UF | | | 5/16 | 0.93 (23.6) | 0.68 (17.3) | 0.11 (2.8) | 0.47 (11.9) | 0.38 (9.7) | | |
| 54148UF | | | 3/8 | 0.98 (24.9) | 0.68 (17.3) | 0.11 (2.8) | 0.47 (11.9) | 0.38 (9.7) | | |
| 54150UF | 1/0 AWG | #1 AWG 100 Navy, #1 Weld 225/24 133/0.0254 0.389 | 1/2 | 1.25 (31.8) | 0.76 (19.3) | 0.11 (2.8) | 0.47 (11.9) | 0.50 (12.7) | 42 | Pink |
| 54152UF | | | 1/4 | 0.65 (16.5) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.25 (6.4) | | |
| 54153UF | | | 5/16 | 0.88 (22.4) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.38 (9.7) | | |
| 54109UF | | | 3/8 | 0.93 (23.6) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.38 (9.7) | | |
| 54155UF | 2/0 AWG | 1/0 AWG, 125 Navy 1/0 Weld 275/24 427/0.0155, 133/0.0282 | 1/2 | 1.25 (31.8) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.50 (12.7) | 45 | Black |
| 54157UF | | | 1/4 | 0.65 (16.5) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.25 (6.4) | | |
| 54158UF | | | 5/16 | 0.88 (22.4) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.38 (9.7) | | |
| 54110UF | | | 3/8 | 0.93 (23.6) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.38 (9.7) | | |
| 54160UF | 3/0 AWG | 2/0 AWG, 150 Navy 2/0 Weld, 325/24 133/0.0316, 259/0.0227 427/0.0177 | 1/2 | 1.25 (31.8) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.50 (12.7) | 50 | Orange |
| 54162UF | | | 1/4 | 0.65 (16.5) | 0.92 (23.4) | 0.13 (3.3) | 0.63 (16.0) | 0.25 (6.4) | | |
| 54163UF | | | 5/16 | 0.88 (22.4) | 0.92 (23.4) | 0.13 (3.3) | 0.63 (16.0) | 0.38 (9.7) | | |
| 54111UF | | | 3/8 | 0.93 (23.6) | 0.92 (23.4) | 0.13 (3.3) | 0.63 (16.0) | 0.38 (9.7) | | |
| 54165UF | 4/0 AWG | 3/0 AWG 200 Navy, 3/0 Weld 450/24 703/0.0154 | 1/2 | 1.25 (31.8) | 0.92 (23.4) | 0.13 (3.3) | 0.63 (16.0) | 0.50 (12.7) | 54 | Purple |
| 58147UF* | | | 1/4 | 0.78 (19.8) | 1.03 (26.2) | 0.16 (4.1) | 0.70 (17.8) | 0.34 (8.6) | | |
| 58148UF* | | | 5/16 | 0.78 (19.8) | 1.03 (26.2) | 0.16 (4.1) | 0.70 (17.8) | 0.34 (8.6) | | |
| 58149UF* | | | 3/8 | 0.81 (20.6) | 1.03 (26.2) | 0.16 (4.1) | 0.70 (17.8) | 0.38 (9.7) | | |
| 58151UF* | - | 375/24 | 1/2 | 1.06 (26.9) | 1.03 (26.2) | 0.16 (4.1) | 0.70 (17.8) | 0.50 (12.7) | 62 | Yellow |
| 54167UF | | | 1/4 | 0.65 (16.5) | 1.03 (26.2) | 0.14 (3.6) | 0.70 (17.8) | 0.25 (6.4) | | |
| 54168UF | | | 5/16 | 0.87 (22.1) | 1.03 (26.2) | 0.14 (3.6) | 0.70 (17.8) | 0.38 (9.7) | | |
| 54112UF | | | 3/8 | 0.93 (23.6) | 1.03 (26.2) | 0.14 (3.6) | 0.70 (17.8) | 0.38 (9.7) | | |
| 54170UF | - | 4/0 AWG, 4/0 Weld 550/24 133/0.0399 259/0.0286 637/0.0183 | 1/2 | 1.25 (31.8) | 1.25 (31.8) | 0.15 (3.8) | 0.79 (20.1) | 0.38 (9.7) | 62 | Yellow |
| 58161UF | | | 1/4 | 0.78 (19.8) | 1.25 (31.8) | 0.15 (3.8) | 0.79 (20.1) | 0.38 (9.7) | | |
| 58162UF | | | 5/16 | 0.88 (22.4) | 1.25 (31.8) | 0.15 (3.8) | 0.79 (20.1) | 0.38 (9.7) | | |
| 58163UF | | | 3/8 | 0.93 (23.6) | 1.25 (31.8) | 0.15 (3.8) | 0.79 (20.1) | 0.38 (9.7) | | |
| 58165UF | - | 4/0 AWG, 4/0 Weld 550/24 133/0.0399 259/0.0286 637/0.0183 | 1/2 | 1.25 (31.8) | 1.25 (31.8) | 0.15 (3.8) | 0.79 (20.1) | 0.50 (12.7) | 62 | Yellow |
| 58166UF | | | 5/8 | 1.58 (40.1) | 1.25 (31.8) | 0.15 (3.8) | 0.79 (20.1) | 0.63 (16.0) | | |

* Not CSA approved.
 Call your Regional Sales Office for sizes not listed.
 Tooling: pp. E4-E62
 Die Selector Chart: pp. E35-E50

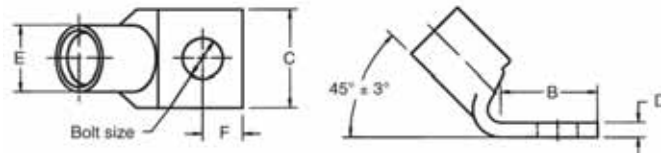
‡ For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements.



Compression Connectors for Copper Conductors

One-Hole Lugs — 45° Standard Barrel Certified to 600 V and Recommended up to 35 kV[‡] (cont'd)

Material: High-Conductivity Wrought Copper
Finish: Electro-Tin Plated

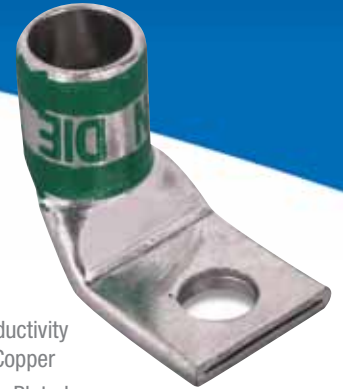


| Cat. No. | Wire Size | | Bolt Size | Dimensions in. (mm) | | | | | Die Code | Colour Code |
|------------------|------------|--|-------------|---------------------|-------------|-------------|-------------|-------------|----------|-------------|
| | Code Cable | Flex Cable Classes G, H, I, K, M | | B | C | D | E | F | | |
| 54172UF | 250 kcmil | 4/0 AWG 250 Navy 550/24 | 1/4 | 0.65 (16.5) | 1.13 (28.7) | 0.14 (3.6) | 0.77 (19.6) | 0.25 (6.4) | 62 | Yellow |
| 54173UF | | | 5/16 | 0.88 (22.4) | 1.13 (28.7) | 0.14 (3.6) | 0.77 (19.6) | 0.38 (9.7) | | |
| 54174UF | | | 3/8 | 0.93 (23.6) | 1.13 (28.7) | 0.14 (3.6) | 0.77 (19.6) | 0.38 (9.7) | | |
| 54113UF | | | 1/2 | 1.25 (31.8) | 1.13 (28.7) | 0.14 (3.6) | 0.77 (19.6) | 0.50 (12.7) | | |
| 58168UF | — | 250 Weld 650/24 259/0.0311, 703/0.0189 | 1/2 | 1.25 (31.8) | 1.25 (31.8) | 0.15 (3.8) | 0.85 (21.6) | 0.50 (12.7) | 66 | White |
| 54178UF | 300 kcmil | 250 kcmil 300 Navy 650/24 | 5/16 | 0.88 (22.4) | 1.25 (31.8) | 0.15 (3.8) | 0.85 (21.6) | 0.38 (9.7) | | |
| 54179UF | | | 3/8 | 0.93 (23.6) | 1.25 (31.8) | 0.15 (3.8) | 0.85 (21.6) | 0.38 (9.7) | | |
| 54114UF | | | 1/2 | 1.25 (31.8) | 1.25 (31.8) | 0.15 (3.8) | 0.85 (21.6) | 0.50 (12.7) | | |
| 54181UF | | | 5/8 | 1.58 (40.1) | 1.25 (31.8) | 0.15 (3.8) | 0.85 (21.6) | 0.63 (16.0) | | |
| 58171UF | — | 300 kcmil, 300 Weld 259/0.034, 427/0.0265 889/0.0183 775/24 = 313 kcmil | 1/2 | 1.25 (31.8) | 1.36 (34.5) | 0.18 (4.6) | 0.93 (23.6) | 0.50 (12.7) | 71 | Red |
| 256-30695-112UF | 350 kcmil | 650/24 350 Navy 262 kcmil | 3/8 | 1.25 (31.8) | 1.36 (34.5) | 0.18 (4.6) | 0.93 (23.6) | 0.50 (12.7) | | |
| 54115UF | | | 1/2 | 1.25 (31.8) | 1.36 (34.5) | 0.18 (4.6) | 0.93 (23.6) | 0.50 (12.7) | | |
| 54183UF | | | 5/8 | 1.58 (40.1) | 1.36 (34.5) | 0.18 (4.6) | 0.93 (23.6) | 0.63 (16.0) | | |
| 58174UF | — | 350 Weld 259/0.0368, 427/0.0285 703/0.0224, 889/0.0201 | 1/2 | 1.25 (31.8) | 1.61 (40.9) | 0.22 (5.6) | 1.09 (27.7) | 0.50 (12.7) | 76 | Blue |
| 54116UF | 400 kcmil | 300 kcmil 400 Navy 775/24, 313 kcmil | 1/2 | 1.25 (31.8) | 1.41 (35.8) | 0.17 (4.3) | 0.96 (24.4) | 0.50 (12.7) | | |
| 54185UF | | | 5/8 | 1.58 (40.1) | 1.41 (35.8) | 0.17 (4.3) | 0.96 (24.4) | 0.63 (16.0) | | |
| 256-30695-1403UF | — | 350 kcmil, 400 Weld 925/24 = 373 kcmil | 3/8 | 1.31 (28.7) | 1.61 (40.9) | 0.22 (5.6) | 1.04 (26.4) | 0.63 (16.0) | 80 | — |
| 58177UF | 1/2 | | 1.25 (31.8) | 1.61 (40.9) | 0.22 (5.6) | 1.04 (26.4) | 0.50 (12.7) | | | |
| 54118UF | 500 kcmil | 925/24 500 Navy 400 kcmil | 1/2 | 1.25 (31.8) | 1.61 (40.9) | 0.22 (5.6) | 1.10 (27.9) | 0.50 (12.7) | 87 | Brown |
| 58187UF | | | 5/8 | 1.58 (40.1) | 1.61 (40.9) | 0.22 (5.6) | 1.10 (27.9) | 0.63 (16.0) | | |
| 58180UF | — | 1100/24 = 444 kcmil 500 Weld, 259/0.0417 427/0.0325, 703/0.0253 | 5/8 | 1.58 (40.1) | 1.75 (44.5) | 0.24 (6.1) | 1.20 (30.5) | 0.50 (12.7) | 94 | Green |
| 58120UF | 600 kcmil | 1110/24 = 444 kcmil | 5/8 | 1.58 (40.1) | 1.75 (44.5) | 0.24 (6.1) | 1.20 (30.5) | 0.50 (12.7) | | |
| 54122UF | 700 kcmil | 1325/24 = 500 kcmil | 5/8 | 1.58 (40.1) | 1.84 (46.7) | 0.23 (5.8) | 1.26 (32.0) | 0.50 (12.7) | 99 | Pink |
| 256-30695-840UF | — | 1325/24 = 535 kcmil 427/0.0342 | 1/2 | 1.69 (42.9) | 1.81 (46.0) | 0.28 (7.1) | 1.25 (31.8) | 0.81 (20.6) | | |
| 58182UF | — | | 5/8 | 1.58 (40.1) | 1.81 (46.0) | 0.28 (7.1) | 1.25 (31.8) | 0.63 (16.0) | | |
| 54123UF | 750 kcmil | 1325/24 = 535 kcmil | 5/8 | 1.58 (40.1) | 1.94 (49.3) | 0.27 (6.9) | 1.33 (33.8) | 0.63 (16.0) | | |
| 58184UF | — | 1600/24 = 646 kcmil | 5/8 | 1.58 (40.1) | 1.94 (49.3) | 0.27 (6.9) | 1.33 (33.8) | 0.63 (16.0) | 106 | Black |
| 54124UF | 800 kcmil | 800 Navy | 5/8 | 1.58 (40.1) | 2.01 (51.1) | 0.27 (6.9) | 1.38 (35.1) | 0.63 (16.0) | 107 | Orange |
| 58126UF | 900 kcmil | 1925/24 = 777 kcmil | 5/8 | 1.58 (40.1) | 2.17 (55.1) | 0.31 (7.9) | 1.50 (38.1) | 0.63 (16.0) | 115 | Yellow |
| 58128UF | 1000 kcmil | 1000 Navy | 5/8 | 1.58 (40.1) | 2.27 (57.7) | 0.30 (7.6) | 1.55 (39.4) | 0.63 (16.0) | 125 | — |

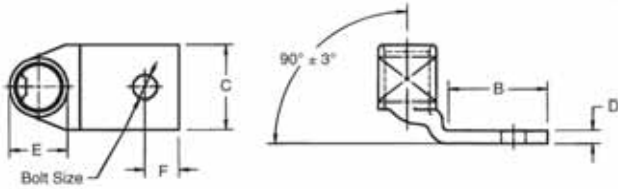
‡ For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements. Call your Regional Sales Office for sizes not listed.
 Tooling: pp. E4–E62
 Die Selector Chart: pp. E35–E50

Compression Connectors for Copper Conductors

One-Hole Lugs — 90° Standard Barrel Certified to 600 V and Recommended up to 35 kV[‡]



Material: High-Conductivity Wrought Copper
Finish: Electro-Tin Plated



| Cat. No. | Wire Size | | Bolt Size | Dimensions in. (mm) | | | | | Die Code | Colour Code |
|-----------------|------------|---|-----------|---------------------|-------------|------------|-------------|-------------|----------|-------------|
| | Code Cable | Flex Cable Classes G, H, I, K, M | | B | C | D | E | F | | |
| 54104UB | #8 AWG | #8 Str. 23 Navy #8 Weld 37/24 0.180 | #10 | 0.50 (12.7) | 0.39 (9.9) | 0.08 (2.0) | 0.25 (6.4) | 0.22 (5.6) | 21 | Red |
| 54130UB | | | 1/4 | 0.61 (15.5) | 0.45 (11.4) | 0.07 (1.8) | 0.25 (6.4) | 0.25 (6.4) | | |
| 54131UB | | | 5/16 | 0.64 (16.3) | 0.56 (14.2) | 0.05 (1.3) | 0.25 (6.4) | 0.28 (7.1) | | |
| 54132UB | | | 3/8 | 0.64 (16.3) | 0.56 (14.2) | 0.05 (1.3) | 0.25 (6.4) | 0.28 (7.1) | | |
| 54134UB | #6 AWG | #6 AWG, 30 Navy #6 Weld 61/24 133/0.014 0.227 | #10 | 0.53 (13.5) | 0.44 (11.2) | 0.07 (1.8) | 0.31 (7.9) | 0.22 (5.6) | 24 | Blue |
| 54105UB | | | 1/4 | 0.53 (13.5) | 0.44 (11.2) | 0.07 (1.8) | 0.31 (7.9) | 0.22 (5.6) | | |
| 54135UB | | | 5/16 | 0.67 (17.0) | 0.60 (15.2) | 0.07 (1.8) | 0.31 (7.9) | 0.31 (7.8) | | |
| 54136UB | | | 3/8 | 0.67 (17.0) | 0.60 (15.2) | 0.07 (1.8) | 0.31 (7.9) | 0.31 (7.8) | | |
| 54138UB | #4 AWG | #5 AWG, 40/50 Navy 91/24 133/0.0177 49/0.029 0.265 | #10 | 0.60 (15.2) | 0.55 (14.0) | 0.09 (2.3) | 0.37 (9.4) | 0.25 (6.4) | 29 | Grey |
| 54106UB | | | 1/4 | 0.60 (15.2) | 0.55 (14.0) | 0.09 (2.3) | 0.37 (9.4) | 0.25 (6.4) | | |
| 54139UB | | | 5/16 | 0.66 (16.8) | 0.61 (15.5) | 0.07 (1.8) | 0.37 (9.4) | 0.31 (7.8) | | |
| 54140UB | | | 3/8 | 0.66 (16.8) | 0.61 (15.5) | 0.07 (1.8) | 0.37 (9.4) | 0.31 (7.8) | | |
| 256-30695-264UB | | | 1/2 | 1.40 (35.6) | 1.00 (25.4) | 0.06 (1.5) | 0.37 (9.4) | 0.50 (12.7) | | |
| 54107UB | #2 AWG | #3 AWG 60 Navy 125/24 #4 Weld 0.300 | 1/4 | 0.65 (16.5) | 0.59 (15.0) | 0.11 (2.8) | 0.41 (10.4) | 0.25 (6.4) | 33 | Brown |
| 54142UB | | | 5/16 | 0.88 (22.4) | 0.59 (15.0) | 0.11 (2.8) | 0.41 (10.4) | 0.38 (9.7) | | |
| 54143UB | | | 3/8 | 0.80 (20.3) | 0.59 (15.0) | 0.11 (2.8) | 0.41 (10.4) | 0.38 (9.7) | | |
| 54145UB | | | 1/2 | 1.08 (27.4) | 0.75 (19.1) | 0.08 (2.0) | 0.41 (10.4) | 0.50 (12.7) | | |
| 54108UB | #1 AWG | #2 AWG, 75 Navy, #2 Weld 150/24 175/24 133/0.0223 0.360 | 1/4 | 0.65 (16.5) | 0.68 (17.3) | 0.11 (2.8) | 0.47 (11.9) | 0.25 (6.4) | 37 | Green |
| 54147UB | | | 5/16 | 0.93 (23.6) | 0.68 (17.3) | 0.11 (2.8) | 0.47 (11.9) | 0.38 (9.7) | | |
| 54148UB | | | 3/8 | 0.98 (24.9) | 0.68 (17.3) | 0.11 (2.8) | 0.47 (11.9) | 0.38 (9.7) | | |
| 54150UB | | | 1/2 | 1.25 (31.8) | 0.76 (19.3) | 0.11 (2.8) | 0.47 (11.9) | 0.50 (12.7) | | |
| 54152UB | 1/0 AWG | #1 AWG 100 Navy, #1 Weld 225/24 133/0.0254 0.389 | 1/4 | 0.65 (16.5) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.25 (6.4) | 42 | Pink |
| 54153UB | | | 5/16 | 0.88 (22.4) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.38 (9.7) | | |
| 54109UB | | | 3/8 | 0.93 (23.6) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.38 (9.7) | | |
| 54155UB | | | 1/2 | 1.25 (31.8) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.50 (12.7) | | |
| 54157UB | 2/0 AWG | 1/0 AWG, 125 Navy 1/0 Weld 275/24 427/0.0155, 133/0.0282 | 1/4 | 0.65 (16.5) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.25 (6.4) | 45 | Black |
| 54158UB | | | 5/16 | 0.88 (22.4) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.38 (9.7) | | |
| 54110UB | | | 3/8 | 0.93 (23.6) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.38 (9.7) | | |
| 54160UB | | | 1/2 | 1.25 (31.8) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.50 (12.7) | | |
| 54162UB | 3/0 AWG | 2/0 AWG, 150 Navy, 2/0 Weld 325/24 133/0.0316, 259/0.0227 427/0.0177 | 1/4 | 0.65 (16.5) | 0.92 (23.4) | 0.13 (3.3) | 0.63 (16.0) | 0.25 (6.4) | 50 | Orange |
| 54163UB | | | 5/16 | 0.88 (22.4) | 0.92 (23.4) | 0.13 (3.3) | 0.63 (16.0) | 0.38 (9.7) | | |
| 54111UB | | | 3/8 | 0.93 (23.6) | 0.92 (23.4) | 0.13 (3.3) | 0.63 (16.0) | 0.38 (9.7) | | |
| 54165UB | | | 1/2 | 1.25 (31.8) | 0.92 (23.4) | 0.13 (3.3) | 0.63 (16.0) | 0.50 (12.7) | | |
| 54167UB | - | 3/0 AWG, 200 Navy, 3/0 Weld 450/24 703/0.0154 | 1/4 | 0.65 (16.5) | 1.03 (26.2) | 0.14 (3.6) | 0.70 (17.8) | 0.34 (8.6) | 54 | Purple |
| 54168UB | | | 5/16 | 0.87 (22.1) | 1.03 (26.2) | 0.14 (3.6) | 0.70 (17.8) | 0.34 (8.6) | | |
| 54112UB | | | 3/8 | 0.93 (23.6) | 1.03 (26.2) | 0.14 (3.6) | 0.70 (17.8) | 0.38 (9.7) | | |
| 54170UB | | | 1/2 | 1.25 (31.8) | 1.03 (26.2) | 0.14 (3.6) | 0.70 (17.8) | 0.50 (12.7) | | |
| 58161UB | 4/0 AWG | 3/0 AWG, 4/0 Weld 550/24 133/0.0399 259/0.0286 637/0.0183 | 1/4 | 0.78 (19.8) | 1.25 (31.8) | 0.15 (3.8) | 0.79 (20.1) | 0.38 (9.7) | 62 | Yellow |
| 58162UB | | | 5/16 | 0.88 (22.4) | 1.25 (31.8) | 0.15 (3.8) | 0.79 (20.1) | 0.38 (9.7) | | |
| 58163UB | | | 3/8 | 0.93 (23.6) | 1.25 (31.8) | 0.15 (3.8) | 0.79 (20.1) | 0.38 (9.7) | | |
| 58165UB | | | 1/2 | 1.25 (31.8) | 1.25 (31.8) | 0.15 (3.8) | 0.79 (20.1) | 0.50 (12.7) | | |
| 58166UB | | | 5/8 | 1.58 (40.1) | 1.25 (31.8) | 0.15 (3.8) | 0.79 (20.1) | 0.63 (16.0) | | |

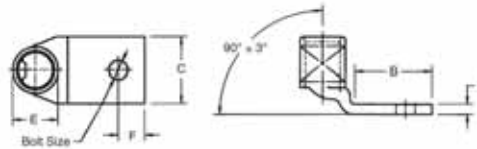
‡ For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements. Call your Regional Sales Office for sizes not listed.
 Tooling: pp. E4–E62
 Die Selector Chart: pp. E35–E50



Compression Connectors for Copper Conductors

One-Hole Lugs — 90° Standard Barrel Certified to 600 V and Recommended up to 35 kV[‡] (cont'd)

Material: High-Conductivity Wrought Copper
Finish: Electro-Tin Plated

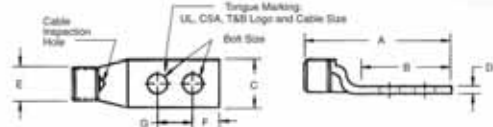
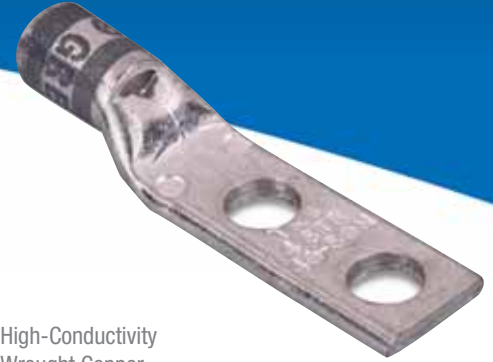


| Cat. No. | Wire Size | | Bolt Size | Dimensions in. (mm) | | | | | Die Code | Colour Code |
|------------------|------------|---|-----------|--|-------------|-------------|-------------|-------------|----------|-------------|
| | Code Cable | Flex Cable Classes G, H, I, K, M | | B | C | D | E | F | | |
| 54172UB | 250 kcmil | 4/0 AWG 250 Navy 550/24 | 1/4 | 0.65 (16.5) | 1.13 (28.7) | 0.14 (3.6) | 0.77 (19.6) | 0.25 (6.4) | 62 | Yellow |
| 54173UB | | | 5/16 | 0.88 (22.4) | 1.13 (28.7) | 0.14 (3.6) | 0.77 (19.6) | 0.38 (9.7) | | |
| 54174UB | | | 3/8 | 0.93 (23.6) | 1.13 (28.7) | 0.14 (3.6) | 0.77 (19.6) | 0.38 (9.7) | | |
| 54113UB | | | 1/2 | 1.25 (31.8) | 1.13 (28.7) | 0.14 (3.6) | 0.77 (19.6) | 0.50 (12.7) | | |
| 58168UB | — | 250 Weld 650/24 = 262 kcmil 259/0.0311, 703/0.0189 | 1/2 | 1.25 (31.8) | 1.25 (31.8) | 0.15 (3.8) | 0.85 (21.6) | 0.50 (12.7) | 66 | White |
| 54178UB | 300 kcmil | 250 kcmil 300 Navy 650/24 | 5/16 | 0.88 (22.4) | 1.25 (31.8) | 0.15 (3.8) | 0.85 (21.6) | 0.38 (9.7) | | |
| 54179UB | | | 3/8 | 0.93 (23.6) | 1.25 (31.8) | 0.15 (3.8) | 0.85 (21.6) | 0.38 (9.7) | | |
| 54114UB | | | 1/2 | 1.25 (31.8) | 1.25 (31.8) | 0.15 (3.8) | 0.85 (21.6) | 0.50 (12.7) | | |
| 54181UB | | | 5/8 | 1.58 (40.1) | 1.25 (31.8) | 0.15 (3.8) | 0.85 (21.6) | 0.63 (16.0) | | |
| 58171UB | — | 300 Weld, 259/0.034 427/0.0265, 889/0.0183 775/24 = 313 kcmil | 1/2 | 1.25 (31.8) | 1.36 (34.5) | 0.18 (4.6) | 0.93 (23.6) | 0.50 (12.7) | 71 | Red |
| 256-30695-112UB | 350 kcmil | 650/24, 350 Navy 262 kcmil | 3/8 | 1.25 (31.8) | 1.36 (34.5) | 0.18 (4.6) | 0.93 (23.6) | 0.50 (12.7) | | |
| 54115UB | | | 1/2 | 1.25 (31.8) | 1.36 (34.5) | 0.18 (4.6) | 0.93 (23.6) | 0.50 (12.7) | | |
| 54183UB | | | 5/8 | 1.58 (40.1) | 1.36 (34.5) | 0.18 (4.6) | 0.93 (23.6) | 0.63 (16.0) | | |
| 58174UB | — | 350 Weld 259/0.0368, 427/0.0285 703/0.0224, 889/0.0201 | 1/2 | 1.25 (31.8) | 1.61 (40.9) | 0.22 (5.6) | 1.09 (27.7) | 0.50 (12.7) | 76 | Blue |
| 54116UB | 400 kcmil | 300 kcmil 400 Navy 775/24, 313 kcmil | 1/2 | 1.25 (31.8) | 1.41 (35.8) | 0.17 (4.3) | 0.96 (24.4) | 0.50 (12.7) | | |
| 54185UB | | | 5/8 | 1.58 (40.1) | 1.41 (35.8) | 0.17 (4.3) | 0.96 (24.4) | 0.63 (16.0) | | |
| 256-30695-1403UB | | | — | 400 Weld 925/24 = 373 kcmil 259/0.0393, 427/0.0306 | 3/8 | 1.31 (33.3) | 1.61 (40.9) | 0.22 (5.6) | | |
| 58177UB | — | 400 Weld 925/24 = 373 kcmil 259/0.0393, 427/0.0306 | 1/2 | 1.25 (31.8) | 1.61 (40.9) | 0.22 (5.6) | 1.04 (26.4) | 0.50 (12.7) | 80 | — |
| 54118UB | 500 kcmil | 400 kcmil 500 Navy 925/24 | 1/2 | 1.25 (31.8) | 1.61 (40.9) | 0.22 (5.6) | 1.10 (27.9) | 0.50 (12.7) | 87 | Brown |
| 54187UB | | | 5/8 | 1.58 (40.1) | 1.61 (40.9) | 0.22 (5.6) | 1.10 (27.9) | 0.63 (16.0) | | |
| 58180UB | — | 1100/24 = 444 kcmil 500 Weld, 259/0.0417 427/0.0325, 703/0.0253 | 5/8 | 1.58 (40.1) | 1.75 (44.5) | 0.24 (6.1) | 1.20 (30.5) | 0.50 (12.7) | 94 | Green |
| 54120UB | 600 kcmil | 1100/24 = 444 kcmil | 5/8 | 1.58 (40.1) | 1.75 (44.5) | 0.24 (6.1) | 1.20 (30.5) | 0.50 (12.7) | | |
| 54122UB | 700 kcmil | 1325/24, 535 kcmil 500 AWG, 550/535 | 5/8 | 1.58 (40.1) | 1.84 (46.7) | 0.23 (5.8) | 1.26 (32.0) | 0.50 (12.7) | 99 | Pink |
| 256-30695-840UB | — | 1325/24 = 535 kcmil 427/0.0342 | 1/2 | 1.69 (42.9) | 1.81 (46.0) | 0.28 (7.1) | 1.25 (31.8) | 0.63 (16.0) | | |
| 58182UB | | | 5/8 | 1.58 (40.1) | 1.81 (46.0) | 0.28 (7.1) | 1.25 (31.8) | 0.63 (16.0) | | |
| 54123UB | 750 kcmil | — | 5/8 | 1.58 (40.1) | 1.94 (49.3) | 0.27 (6.9) | 1.33 (33.8) | 0.63 (16.0) | 106 | Black |
| 58184UB | — | 1600/24 = 646 kcmil | 5/8 | 1.58 (40.1) | 1.94 (49.3) | 0.27 (6.9) | 1.33 (33.8) | 0.63 (16.0) | | |
| 54124UB | 800 kcmil | 800 Navy | 5/8 | 1.58 (40.1) | 2.01 (51.1) | 0.27 (6.9) | 1.38 (35.1) | 0.63 (16.0) | | |
| 58126UB | 900 kcmil | 1925/24 = 777 kcmil | 5/8 | 1.58 (40.1) | 2.17 (55.1) | 0.31 (7.9) | 1.50 (38.1) | 0.63 (16.0) | 115 | Yellow |
| 58128UB | 1000 kcmil | 1000 Navy | 5/8 | 1.58 (40.1) | 2.27 (57.7) | 0.30 (7.6) | 1.55 (39.4) | 0.63 (16.0) | 125 | — |

‡ For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements. Call your Regional Sales Office for sizes not listed.
 Tooling: pp. E4–E62
 Die Selector Chart: pp. E35–E50

Compression Connectors for Copper Conductors

Two-Hole Lugs — Standard Barrel Certified to 600 V and Recommended up to 35 kV[‡]



Material: High-Conductivity Wrought Copper

Finish: Electro-Tin Plated



| Cat. No. | Wire Size | | Bolt Size | Dimensions in. (mm) | | | | | | | Die Code | Colour Code |
|----------------|------------|---|-----------|---------------------|-------------|--------------|------------|-------------|-------------|---------------------------|----------|-------------|
| | Code Cable | Flex Cable Classes G, H, I, K, M | | A | B | C | D | E | F | G | | |
| 54201 | #14-10 AWG | — | 1/4 | 1.86 (47.2) | 1.19 (30.2) | 0.50 (12.7) | 0.05 (1.3) | 0.20 (5.1) | 0.25 (6.4) | 0.63 (16.0) | ERG2002 | Yellow |
| 256-30695-1302 | | | 3/8 | 2.48 (63.0) | 1.81 (46.0) | 0.56 (14.2) | 0.04 (1.0) | 0.22 (5.6) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54204 | #8 AWG | #8 AWG, 23 Navy #8 Weld 37/24 | #10 | 1.88 (47.8) | 1.18 (30.0) | 0.42 (10.7) | 0.08 (2.0) | 0.26 (6.6) | 0.25 (6.4) | 0.63 (16.0) | 21 | Red |
| 256-31426-33* | | | #10 | 1.88 (47.8) | 1.18 (30.0) | 0.41 (10.4) | 0.06 (1.5) | 0.26 (6.6) | 0.23 (5.8) | 0.75 (19.0) | | |
| 256-31426-33PH | | | #10 | 1.88 (47.8) | 1.18 (30.0) | 0.41 (10.4) | 0.06 (1.5) | 0.26 (6.6) | 0.23 (5.8) | 0.75 (19.0) | | |
| 542040410 | | | 1/4 | 2.01 (51.1) | 1.31 (33.3) | 0.42 (10.7) | 0.08 (2.0) | 0.26 (6.6) | 0.25 (6.4) | 0.63 (16.0) | | |
| 542040416 | | | 1/4 | 2.38 (60.5) | 1.68 (42.7) | 0.42 (10.7) | 0.08 (2.0) | 0.26 (6.6) | 0.25 (6.4) | 1.00 (25.4) | | |
| 256-30695-1094 | | | 1/4 | 2.50 (63.5) | 1.81 (46.0) | 0.56 (14.22) | 0.05 (1.3) | 0.26 (6.6) | 0.25 (6.4) | 0.75 (19.0) | | |
| 256-30695-251 | | | 3/8 | 2.50 (63.5) | 1.81 (46.0) | 0.56 (14.22) | 0.05 (1.3) | 0.26 (6.6) | 0.38 (9.7) | 1.00 (25.4) | | |
| 256-30695-1070 | | | #12 | 1.81 (46.0) | 1.19 (30.2) | 0.44 (11.2) | 0.11 (2.8) | 0.30 (7.6) | 0.25 (6.4) | 0.50 – 0.63 (12.7 – 16.0) | | |
| 256-30695-1153 | | | #10 | 1.98 (50.3) | 1.28 (32.5) | 0.44 (11.2) | 0.08 (2.0) | 0.30 (7.6) | 0.25 (6.4) | 0.50 (12.7) | | |
| 256-30695-1183 | | | #10 | 1.98 (50.3) | 1.19 (30.2) | 0.44 (11.2) | 0.08 (2.0) | 0.30 (7.6) | 0.22 (5.6) | 0.63 – 0.75 (16.0 – 19.0) | | |
| 54205 | #6 AWG | #6 AWG, 30 Navy #6 Weld 61/24 133/0.014 | 1/4 | 1.98 (50.3) | 1.28 (32.5) | 0.44 (11.2) | 0.08 (2.0) | 0.30 (7.6) | 0.25 (6.4) | 0.63 (16.0) | 24 | Blue |
| 256-30695-1095 | | | 1/4 | 2.13 (54.1) | 1.31 (33.3) | 0.43 (10.9) | 0.08 (2.0) | 0.30 (7.6) | 0.25 (6.4) | 0.75 (19.0) | | |
| 256-30695-252 | | | 1/4 | 2.38 (60.5) | 1.63 (41.4) | 0.43 (10.9) | 0.08 (2.0) | 0.30 (7.6) | 0.25 (6.4) | 1.00 (25.4) | | |
| 256-30695-372 | | | 1/4 | 2.13 (54.1) | 1.43 (36.3) | 0.43 (10.9) | 0.08 (2.0) | 0.30 (7.6) | 0.25 (6.4) | 0.75 (19.0) | | |
| 256-30695-913 | | | 1/4 | 2.38 (60.5) | 1.75 (44.5) | 0.43 (10.9) | 0.08 (2.0) | 0.30 (7.6) | 0.25 (6.4) | 1.00 (25.4) | | |
| 256-30695-253 | | | 3/8 | 2.58 (65.3) | 1.81 (45.9) | 0.55 (14.0) | 0.08 (2.0) | 0.30 (7.6) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54206 | #4 AWG | #5 AWG 40-50 Navy 91/24 133/0.0177 49/0.029 | 1/4 | 2.03 (51.6) | 1.28 (32.5) | 0.52 (13.2) | 0.10 (2.5) | 0.37 (9.4) | 0.25 (6.4) | 0.63 (16.0) | 29 | Grey |
| 256-30695-1184 | | | 5/16 | 2.31 (58.7) | 1.63 (41.4) | 0.52 (13.2) | 0.10 (2.5) | 0.37 (9.4) | 0.31 (7.9) | 1.00 (25.4) | | |
| 256-30695-255 | | | 3/8 | 2.56 (65.0) | 1.81 (45.9) | 0.59 (15.0) | 0.09 (2.3) | 0.37 (9.4) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54207 | #2 AWG | #3 AWG 60 Navy 125/24, #4 Weld | 1/4 | 2.13 (54.1) | 1.28 (32.5) | 0.59 (15.0) | 0.11 (2.8) | 0.41 (10.4) | 0.25 (6.4) | 0.63 (16.0) | 33 | Brown |
| 256-30695-1355 | | | 1/4 | 2.15 (54.6) | 1.31 (33.3) | 0.59 (15.0) | 0.13 (3.3) | 0.41 (10.4) | 0.25 (6.4) | 0.75 (19.0) | | |
| 256-30695-1185 | | | 1/4 | 2.38 (60.5) | 1.53 (38.9) | 0.59 (15.0) | 0.11 (2.8) | 0.41 (10.4) | 0.25 (6.4) | 1.00 (25.4) | | |
| 256-30695-257 | | | 3/8 | 2.67 (67.8) | 1.81 (45.9) | 0.60 (15.2) | 0.10 (2.5) | 0.41 (10.4) | 0.38 (9.7) | 1.00 (25.4) | | |
| 256-30695-1049 | | | 1/2 | 3.75 (95.3) | 2.88 (73.2) | 0.75 (19.1) | 0.09 (2.3) | 0.41 (10.4) | 0.31 (7.9) | 1.75 (44.5) | | |
| 54208 | #1 AWG | #2 AWG, 75 Navy 150/24 175/24 133/0.0223 | 1/4 | 2.13 (54.1) | 1.28 (32.5) | 0.68 (17.3) | 0.11 (2.8) | 0.47 (11.9) | 0.25 (6.4) | 0.63 (16.0) | 37 | Green |
| 256-30695-1233 | | | 5/16 | 2.69 (68.3) | 1.62 (41.2) | 0.69 (17.5) | 0.13 (3.3) | 0.47 (11.9) | 0.34 (8.6) | 1.00 (25.4) | | |
| 256-30695-1236 | | | 3/8 | 2.75 (69.9) | 1.81 (45.9) | 0.68 (17.3) | 0.11 (2.8) | 0.47 (11.9) | 0.38 (9.7) | 1.00 (25.4) | | |
| 256-30695-329 | 1/0 AWG | #1 AWG 100 Navy, #1 Weld 225/24 133/0.0254 | 1/4 | 2.75 (69.9) | 1.81 (45.9) | 0.75 (19.1) | 0.14 (3.6) | 0.52 (13.2) | 0.38 (9.7) | 0.75 (19.4) | 42 | Pink |
| 54255 | | | 5/16 | 2.56 (65.0) | 1.56 (39.6) | 0.75 (19.1) | 0.14 (3.6) | 0.52 (13.2) | 0.38 (9.7) | 0.88 (22.4) | | |
| 256-30695-1234 | | | 5/16 | 2.75 (69.9) | 1.78 (45.2) | 0.75 (19.1) | 0.14 (3.6) | 0.52 (13.2) | 0.33 (8.4) | 1.00 (25.4) | | |
| 54209 | | | 3/8 | 2.88 (73.2) | 1.93 (49.0) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.38 (9.7) | 1.00 (25.4) | | |
| 256-30695-1265 | | | 3/8 | 3.50 (89.0) | 2.57 (65.3) | 0.75 (19.1) | 0.14 (3.6) | 0.52 (13.2) | 0.38 (9.7) | 1.75 (44.5) | | |
| 256-30695-886 | | | 1/2 | 3.78 (96.0) | 2.83 (71.2) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.5 (12.7) | 1.75 (44.5) | | |
| 256-30695-1175 | | | 1/4 | 2.45 (6.2) | 1.44 (36.6) | 0.83 (21.1) | 0.14 (3.6) | 0.57 (14.5) | 0.25 (6.4) | 0.75 (19.0) | | |
| 54261 | 2/0 AWG | 1/0 AWG, 125 Navy 1/0 Weld 275/24 133/0.0282 | 5/16 | 2.70 (68.6) | 1.63 (41.4) | 0.83 (21.1) | 0.14 (3.6) | 0.57 (14.5) | 0.33 (8.4) | 0.88 (22.4) | 45 | Black |
| 256-30695-832 | | | 5/16 | 2.88 (73.2) | 1.81 (45.9) | 0.81 (20.6) | 0.14 (3.6) | 0.57 (14.5) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54210 | | | 3/8 | 2.93 (74.4) | 1.93 (49.0) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54260 | | | 1/2 | 3.83 (97.3) | 2.81 (71.4) | 0.83 (21.1) | 0.14 (3.6) | 0.57 (14.5) | 0.38 (9.7) | 1.75 (44.5) | | |
| 54266 | 3/0 AWG | 150 Navy, 2/0 Weld 2/0 AWG 325/24 133/0.0316 259/0.0227 427/0.0177 | 5/16 | 2.88 (73.2) | 1.75 (44.5) | 0.94 (23.9) | 0.14 (3.6) | 0.63 (16.0) | 0.33 (8.4) | 1.00 (25.4) | 50 | Orange |
| 54211 | | | 3/8 | 2.94 (74.7) | 1.81 (46.0) | 0.94 (23.9) | 0.14 (3.6) | 0.63 (16.0) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54265 | | | 1/2 | 3.94 (100.1) | 2.81 (71.4) | 0.94 (23.9) | 0.14 (3.6) | 0.63 (16.0) | 0.50 (12.7) | 1.75 (44.5) | | |

* Blind End

‡ For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements. Call your Regional Sales Office for sizes not listed.

Tooling: pp. E4–E62

Die Selector Chart: pp. E35–E50

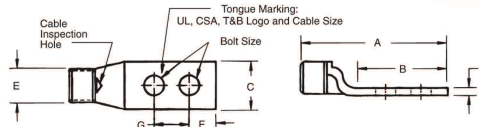


Compression Connectors for Copper Conductors

Two-Hole Lugs — Standard Barrel Certified to 600 V and Recommended up to 35 kV[‡] (cont'd)

Material: High-Conductivity Wrought Copper

Finish: Electro-Tin Plated



| Cat. No. | Wire Size | | Bolt Size | Dimensions in. (mm) | | | | | | | Die Code | Colour Code |
|----------------|------------|--|-----------|---------------------|-------------|-------------|------------|-------------|-------------|-------------|----------|-------------|
| | Code Cable | Flex Cable Classes G, H, I, K, M | | A | B | C | D | E | F | G | | |
| 54212 | 4/0 AWG | 3/0 AWG, 200 Navy 3/0 Weld 450/24 = 182 kcmil 703/0.0154 | 3/8 | 3.18 (80.8) | 1.93 (49.0) | 1.03 (26.2) | 0.14 (3.6) | 0.70 (17.8) | 0.38 (9.7) | 1.00 (25.4) | 54 | Purple |
| 54270 | | | 1/2 | 4.25 (108.0) | 3.00 (76.2) | 1.03 (26.2) | 0.14 (3.6) | 0.70 (17.8) | 0.50 (12.7) | 1.75 (44.5) | | |
| 256-30695-1247 | | | 1/4 | 3.06 (77.7) | 1.44 (36.6) | 1.03 (26.2) | 0.16 (4.1) | 0.70 (17.8) | 0.38 (9.7) | 0.63 (16.0) | | |
| 256-30695-331 | | | 1/4 | 3.06 (77.7) | 1.81 (46.0) | 1.03 (26.2) | 0.14 (3.6) | 0.70 (17.8) | 0.38 (9.7) | 0.75 (19.1) | | |
| 256-30695-1261 | 250 kcmil | 4/0 AWG 250 Navy | 5/16 | 3.18 (80.8) | 1.93 (49.0) | 1.03 (26.2) | 0.14 (3.6) | 0.70 (17.8) | 0.38 (9.7) | 1.00 (25.4) | 62 | Yellow |
| 54213 | | | 3/8 | 3.28 (83.3) | 1.93 (49.0) | 1.13 (28.7) | 0.14 (3.6) | 0.77 (19.6) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54275 | — | 4/0 AWG, 4/0 Weld 550/24 = 222 kcmil 133/0.0399 259/0.0286 637/0.018 | 1/2 | 4.19 (106.4) | 2.81 (71.4) | 1.13 (28.7) | 0.18 (4.6) | 0.77 (19.6) | 0.50 (12.7) | 1.75 (44.5) | 66 | White |
| 256-30695-345 | | | 3/8 | 3.25 (82.6) | 1.69 (42.9) | 1.25 (31.8) | 0.15 (3.8) | 0.79 (20.1) | 0.38 (9.7) | 0.88 (22.4) | | |
| 256-30695-835 | | | 3/8 | 4.25 (108.0) | 2.80 (71.1) | 1.25 (31.8) | 0.15 (3.8) | 0.79 (20.1) | 0.38 (9.7) | 1.00 (25.4) | | |
| 256-30695-452 | | | 3/8 | 3.13 (79.5) | 1.88 (47.8) | 1.25 (31.8) | 0.16 (4.1) | 0.79 (20.1) | 0.38 (9.7) | 0.88 (22.4) | | |
| 58265 | 300 kcmil | 250 AWG 300 Navy 650/24 = 262 kcmil | 1/2 | 3.94 (100.1) | 2.81 (71.4) | 0.94 (23.9) | 0.14 (3.6) | 0.79 (20.1) | 0.50 (12.7) | 1.75 (44.5) | 71 | Red |
| 54214 | | | 3/8 | 3.45 (87.6) | 1.93 (49.0) | 1.25 (31.8) | 0.15 (3.8) | 0.85 (21.6) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54280 | 350 kcmil | 350 Navy | 1/2 | 4.45 (113.0) | 3.00 (76.2) | 1.25 (31.8) | 0.15 (3.8) | 0.85 (21.6) | 0.50 (12.7) | 1.75 (44.5) | 76 | Blue |
| 256-30695-332 | | | 1/4 | 3.40 (86.4) | 1.81 (46.0) | 1.36 (34.5) | 0.18 (4.6) | 0.93 (23.6) | 0.38 (9.7) | 0.75 (19.1) | | |
| 256-30695-1240 | | | 5/16 | 4.18 (106.2) | 2.63 (66.8) | 1.36 (34.5) | 0.18 (4.6) | 0.93 (23.6) | 0.38 (9.7) | 1.75 (44.5) | | |
| 54215 | 400 kcmil | 300 kcmil 313 kcmil 775/24 | 3/8 | 3.51 (89.2) | 1.93 (49.0) | 1.36 (34.5) | 0.18 (4.6) | 0.93 (23.6) | 0.38 (9.7) | 1.00 (25.4) | 80 | — |
| 54282 | | | 1/2 | 4.60 (116.8) | 3.00 (76.2) | 1.36 (34.5) | 0.18 (4.6) | 0.93 (23.6) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54216 | — | 400 Weld 925/24 = 373 kcmil 259/0.0393 427/0.0306 | 3/8 | 3.93 (99.8) | 1.93 (49.0) | 1.41 (35.8) | 0.17 (4.3) | 0.96 (24.4) | 0.38 (9.7) | 1.00 (25.4) | 87 | Brown |
| 54283 | | | 3/8 | 3.88 (98.6) | 1.93 (49.0) | 1.41 (35.8) | 0.17 (4.3) | 0.96 (24.4) | 0.38 (9.7) | 1.06 (26.9) | | |
| 256-30695-439 | | | 3/8 | 4.35 (110.5) | 2.25 (57.2) | 1.61 (40.9) | 0.22 (5.6) | 1.04 (26.4) | 0.50 (12.7) | 1.00 (25.4) | | |
| 58277 | 500 kcmil | 400 kcmil 500 Navy | 1/2 | 5.06 (128.5) | 3.00 (76.2) | 1.61 (40.9) | 0.22 (5.6) | 1.04 (26.4) | 0.50 (12.7) | 1.75 (44.5) | 94 | Green |
| 256-30695-839 | | | 3/8 | 4.09 (103.9) | 2.06 (52.3) | 1.61 (40.9) | 0.22 (5.6) | 1.04 (26.4) | 0.50 (12.7) | 1.00 (25.4) | | |
| 54218 | 600 kcmil | — | 3/8 | 3.96 (100.6) | 1.93 (49.0) | 1.61 (40.9) | 0.22 (5.6) | 1.10 (27.9) | 0.38 (9.7) | 1.00 (25.4) | 99 | Pink |
| 54286 | | | 1/2 | 5.07 (128.8) | 3.00 (76.2) | 1.61 (40.9) | 0.22 (5.6) | 1.10 (27.9) | 0.50 (12.7) | 1.75 (44.5) | | |
| 256-30695-188 | | | 1/2 | 4.06 (103.1) | 2.31 (58.7) | 1.63 (41.4) | 0.22 (5.6) | 1.10 (27.9) | 0.50 (12.7) | 1.25 (31.8) | | |
| 54220 | 700 kcmil | 550/535 1325/24 500 AWG | 3/8 | 4.13 (104.9) | 1.93 (49.0) | 1.75 (44.5) | 0.24 (6.1) | 1.20 (30.5) | 0.38 (9.7) | 1.00 (25.4) | 106 | Black |
| 54289 | | | 1/2 | 5.23 (132.8) | 3.00 (76.2) | 1.75 (44.5) | 0.24 (6.1) | 1.20 (30.5) | 0.50 (12.7) | 1.75 (44.5) | | |
| 256-30695-1406 | 750 kcmil | — | 3/8 | 4.05 (102.9) | 2.11 (53.6) | 1.78 (45.2) | 0.24 (6.1) | 1.25 (31.8) | 0.50 (12.7) | 1.00 (25.4) | 107 | Orange |
| 256-30695-842 | | | 3/8 | 4.30 (109.2) | 2.06 (52.3) | 1.80 (45.7) | 0.28 (7.1) | 1.25 (31.8) | 0.50 (12.7) | 1.00 (25.4) | | |
| 256-30695-898 | | | 3/8 | 4.30 (109.2) | 2.06 (52.3) | 1.80 (45.7) | 0.28 (7.1) | 1.25 (31.8) | 0.50 (12.7) | 1.00 (25.4) | | |
| 54291 | 800 kcmil | 1325/24 = 535 kcmil | 1/2 | 5.18 (131.6) | 3.00 (76.2) | 1.84 (46.7) | 0.23 (5.8) | 1.25 (31.8) | 0.50 (12.7) | 1.75 (44.5) | 115 | Yellow |
| 58281 | | | 1/2 | 5.23 (132.8) | 3.00 (76.2) | 1.80 (45.7) | 0.28 (7.1) | 1.25 (31.8) | 0.50 (12.7) | 1.75 (44.5) | | |
| 256-30695-237 | 900 kcmil | — | 3/8 | 5.10 (129.5) | 2.80 (71.1) | 1.94 (49.3) | 0.27 (6.9) | 1.33 (33.8) | 0.38 (9.7) | 1.00 (25.4) | 125 | — |
| 54223 | | | 1/2 | 5.32 (135.1) | 3.00 (76.2) | 1.94 (49.3) | 0.27 (6.9) | 1.33 (33.8) | 0.50 (12.7) | 1.75 (44.5) | | |
| 256-30695-1376 | 1000 kcmil | 1925/24 = 777 kcmil | 3/8 | 4.78 (121.4) | 2.28 (57.9) | 2.01 (51.1) | 0.27 (6.9) | 1.38 (35.1) | 0.44 (11.2) | 1.13 (28.7) | 125 | — |
| 54224 | | | 1/2 | 5.50 (139.7) | 3.00 (76.2) | 2.01 (51.1) | 0.27 (6.9) | 1.38 (35.1) | 0.50 (12.7) | 1.75 (44.5) | | |
| 256-30695-694 | | | 3/8 | 4.65 (118.1) | 2.06 (52.3) | 2.18 (55.4) | 0.31 (7.9) | 1.50 (38.1) | 0.50 (12.7) | 1.00 (25.4) | | |
| 54226 | — | — | 1/2 | 5.59 (142.0) | 3.00 (76.2) | 2.18 (55.4) | 0.31 (7.9) | 1.50 (38.1) | 0.50 (12.7) | 1.75 (44.5) | 115 | Yellow |
| 256-30695-846 | | | 3/8 | 4.60 (116.8) | 2.06 (52.3) | 2.12 (53.9) | 0.31 (7.9) | 1.50 (38.1) | 0.50 (12.7) | 1.00 (25.4) | | |
| 256-30695-844 | — | — | 5/8 | 5.00 (127.0) | 2.63 (66.8) | 2.18 (55.4) | 0.31 (7.9) | 1.50 (38.1) | 0.56 (14.2) | 1.50 (38.1) | 115 | Yellow |
| 54228 | | | 1/2 | 5.45 (138.4) | 3.00 (76.2) | 2.27 (57.7) | 0.30 (7.6) | 1.55 (39.4) | 0.50 (12.7) | 1.75 (44.5) | | |

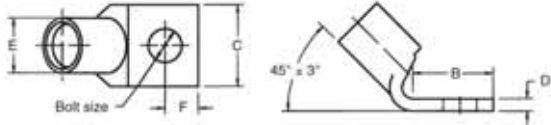
‡ For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements. Call your Regional Sales Office for sizes not listed.

Tooling: pp. E4–E62

Die Selector Chart: pp. E35–E50

Compression Connectors for Copper Conductors

Two-Hole Lugs — 45° Standard Barrel Certified to 600 V and Recommended up to 35 kV[‡]



Material: High-Conductivity Wrought Copper
Finish: Electro-Tin Plated



| Cat. No. | Wire Size | | Bolt Size | Dimensions in. (mm) | | | | | | Die Code | Colour Code |
|------------------|--------------|--|-----------|---------------------|-------------|------------|-------------|------------|-----------------------------|----------|-------------|
| | Code Cable | Flex Cable Classes G, H, I, K, M | | B | C | D | E | F | G | | |
| 256-31426-9 | #14 – 10 AWG | – | #10 | 1.22 (31.0) | 0.37 (9.4) | 0.05 (1.3) | 0.20 (5.1) | 0.25 (6.4) | 0.63 (16.0) | – | – |
| 54204UF | #8 AWG | #8 AWG, 23 Navy #8 Weld 37/24 | #10 | 1.18 (30.0) | 0.42 (10.7) | 0.08 (2.0) | 0.26 (6.6) | 0.25 (6.4) | 0.63 (16.0) | 21 | Red |
| 256-30695-1183UF | #6 AWG | #6 AWG, 30 Navy #6 Weld 61/24 133/0.014 | #10 | 1.19 (30.2) | 0.44 (11.2) | 0.08 (2.0) | 0.30 (7.6) | 0.22 (5.6) | 0.63 – 0.75 (16.0) – (19.1) | 24 | Blue |
| 54205UF | | | 1/4 | 1.28 (32.5) | 0.44 (11.2) | 0.08 (2.0) | 0.30 (7.6) | 0.25 (6.4) | 0.63 (16.0) | | |
| 54205UF0416 | | | 1/4 | 1.56 (39.6) | 0.43 (10.9) | 0.08 (2.0) | 0.30 (7.6) | 0.25 (6.4) | 1.00 (25.4) | | |
| 54206UF | #4 AWG | #5 AWG 40-50 Navy 91/24 133/0.0177 49/0.029 | 1/4 | 1.28 (32.5) | 0.52 (13.2) | 0.10 (2.5) | 0.37 (9.4) | 0.25 (6.4) | 0.63 (16.0) | 29 | Grey |
| 54207UF | #2 AWG | #3 AWG 60 Navy, #4 Weld 125/24 | 1/4 | 1.28 (32.5) | 0.59 (15.0) | 0.11 (2.8) | 0.41 (10.4) | 0.25 (6.4) | 0.63 (16.0) | 33 | Brown |
| 256-30695-257UF | | | 3/8 | 1.81 (46.0) | 0.60 (15.2) | 0.11 (2.8) | 0.41 (10.4) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54208UF | #1 AWG | #2 AWG, 75 Navy 150/24 175/24 133/0.0223 | 1/4 | 1.28 (32.5) | 0.68 (17.3) | 0.11 (2.8) | 0.47 (11.9) | 0.25 (6.4) | 0.63 (16.0) | 37 | Green |
| 54209UF | 1/0 AWG | #1 AWG 100 Navy, #1 Weld 225/24 133/0.0254 | 3/8 | 1.93 (49.0) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.38 (9.7) | 1.00 (25.4) | 42 | Pink |
| 54209UF0412 | | | 1/4 | 1.55 (39.4) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.25 (6.4) | 0.75 (19.1) | | |
| 54261UF | 2/0 AWG | 1/0 AWG, 125 Navy 1/0 Weld 275/24 133/0.0282 | 5/16 | 1.63 (41.4) | 0.83 (21.1) | 0.14 (3.6) | 0.57 (14.5) | 0.33 (8.4) | 0.88 (22.4) | 45 | Black |
| 54210UF | | | 3/8 | 1.93 (49.0) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54260UF | | | 1/2 | 2.81 (71.4) | 0.83 (21.1) | 0.14 (3.6) | 0.57 (14.5) | 0.38 (9.7) | 1.75 (44.5) | | |
| 54266UF | 3/0 AWG | 2/0 AWG, 150 Navy 2/0 Weld 325/24 133/0.0316 259/0.0227 427/0.0177 | 5/16 | 1.75 (44.5) | 0.94 (23.9) | 0.14 (3.6) | 0.63 (16.0) | 0.33 (8.4) | 1.00 (25.4) | 50 | Orange |
| 54211UF | | | 3/8 | 1.81 (46.0) | 0.94 (23.9) | 0.14 (3.6) | 0.63 (16.0) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54265UF | | | 1/2 | 2.81 (71.4) | 0.94 (23.9) | 0.14 (3.6) | 0.63 (16.0) | 0.25 (6.4) | 1.75 (44.5) | | |
| 54212UF | 4/0 AWG | 200 Navy, 3/0 AWG 3/0 Weld 450/24 703/0.0154 | 3/8 | 1.93 (49.0) | 1.03 (26.2) | 0.14 (3.6) | 0.70 (17.8) | 0.38 (9.7) | 1.00 (25.4) | 54 | Purple |
| 54270UF | | | 1/2 | 3.00 (76.2) | 1.03 (26.2) | 0.14 (3.6) | 0.70 (17.8) | 0.25 (6.4) | 1.75 (44.5) | | |
| 54213UF | 250 kcmil | 4/0 AWG 250 Navy 550/24 | 3/8 | 1.93 (49.0) | 1.13 (28.7) | 0.14 (3.6) | 0.77 (19.6) | 0.38 (9.7) | 1.00 (25.4) | 62 | Yellow |
| 54275UF | | | 1/2 | 2.81 (71.4) | 1.13 (28.7) | 0.18 (4.6) | 0.77 (19.6) | 0.25 (6.4) | 1.75 (44.5) | | |
| 256-30695-399UF | – | 4/0 Weld 550/24 133/0.0399 259/0.0286 637/0.018 | 3/8 | 2.80 (71.1) | 1.25 (31.2) | 0.15 (3.8) | 0.79 (20.1) | 0.38 (9.7) | 1.00 (25.4) | 62 | Yellow |
| 58265UF | – | – | 1/2 | 2.81 (71.4) | 0.94 (23.9) | 0.14 (3.6) | 0.79 (20.1) | 0.25 (6.4) | 1.75 (44.5) | | |

‡ For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements. Call your Regional Sales Office for sizes not listed.
 Tooling: pp. E4–E62
 Die Selector Chart: pp. E35–E50

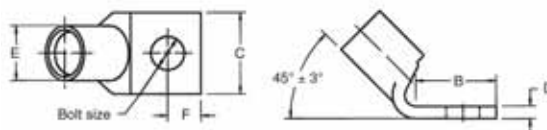


Compression Connectors for Copper Conductors

Two-Hole Lugs — 45° Standard Barrel Certified to 600 V and Recommended up to 35 kV[‡] (cont'd)

Material: High-Conductivity Wrought Copper

Finish: Electro-Tin Plated



| Cat. No. | Wire Size | | Bolt Size | Dimensions in. (mm) | | | | | | Die Code | Colour Code |
|-----------------|------------|--|-----------|---------------------|-------------|-------------|-------------|-------------|-------------|----------|-------------|
| | Code Cable | Flex Cable Classes G, H, I, K, M | | B | C | D | E | F | G | | |
| 54214UF | 300 kcmil | 250 AWG | 3/8 | 1.93 (49.0) | 1.25 (31.8) | 0.15 (3.8) | 0.85 (21.6) | 0.38 (9.7) | 1.00 (25.4) | 66 | White |
| 54280UF | | 300 Navy 650/24 = 262 kcmil | 1/2 | 3.00 (76.2) | 1.25 (31.8) | 0.15 (3.8) | 0.85 (21.6) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54215UF | 350 kcmil | 350 Navy | 3/8 | 1.93 (49.0) | 1.36 (34.5) | 0.18 (4.6) | 0.93 (23.6) | 0.38 (9.7) | 1.00 (25.4) | 71 | Red |
| 54282UF | | 650/24 = 262 kcmil | 1/2 | 3.00 (76.2) | 1.36 (34.5) | 0.18 (4.6) | 0.93 (23.6) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54216UF | 400 kcmil | 300 kcmil | 3/8 | 1.93 (49.0) | 1.41 (35.8) | 0.17 (4.3) | 0.96 (24.4) | 0.38 (9.7) | 1.06 (26.9) | 76 | Blue |
| 54283UF | | 713 kcmil 775/24 | 3/8 | 1.93 (49.0) | 1.41 (35.8) | 0.17 (4.3) | 0.96 (24.4) | 0.38 (9.7) | 1.75 (44.5) | | |
| 54277UF | — | 400 Weld 925/24 = 373 kcmil 259/0.0393 427/0.0306 | 1/2 | 3.00 (76.2) | 1.61 (40.9) | 0.22 (5.6) | 1.04 (26.4) | 0.50 (12.7) | 1.00 (25.4) | 80 | — |
| 54218UF | 500 kcmil | 400 kcmil | 3/8 | 1.93 (49.0) | 1.61 (40.9) | 0.22 (5.6) | 1.10 (27.9) | 0.38 (9.7) | 1.75 (44.5) | 87 | Brown |
| 54286UF | | 500 Navy 925/24 = 373 kcmil | 1/2 | 3.00 (76.2) | 1.61 (40.9) | 0.22 (5.6) | 1.10 (27.9) | 0.50 (12.7) | 1.00 (25.4) | | |
| 54220UF | 600 kcmil | 1100/24 = 444 kcmil | 3/8 | 1.93 (49.0) | 1.75 (44.5) | 0.24 (6.1) | 1.20 (30.5) | 0.38 (9.7) | 1.75 (44.5) | 94 | Green |
| 54289UF | | | 1/2 | 3.00 (76.2) | 1.75 (44.5) | 0.24 (6.1) | 1.20 (30.5) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54291UF | 700 kcmil | 500 AWG | 1/2 | 3.00 (76.2) | 1.84 (46.7) | 0.23 (5.8) | 1.25 (31.8) | 0.50 (12.7) | 1.75 (44.5) | 99 | Pink |
| 54281UF | | 1325/24 = 535 kcmil | 1/2 | 3.00 (76.2) | 1.84 (46.7) | 0.28 (7.1) | 1.25 (31.8) | 0.50 (12.7) | 1.75 (44.5) | | |
| 256-30695-237UF | 750 kcmil | — | 3/8 | 2.80 (71.1) | 1.94 (49.3) | 0.27 (6.9) | 1.33 (33.8) | 0.38 (9.7) | 1.00 (25.4) | 106 | Black |
| 54223UF | | — | 1/2 | 3.00 (76.2) | 1.94 (49.3) | 0.27 (6.9) | 1.33 (33.8) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54224UF | | 800 kcmil | — | 1/2 | 3.00 (76.2) | 2.01 (51.1) | 0.27 (6.9) | 1.38 (35.1) | 0.50 (12.7) | | |
| 54226UF | 900 kcmil | 1925/24 = 777 kcmil | 1/2 | 3.00 (76.2) | 2.18 (55.4) | 0.31 (7.9) | 1.50 (38.1) | 0.50 (12.7) | 1.75 (44.5) | 115 | Yellow |
| 54228UF | 1000 kcmil | 1000 Navy | 1/2 | 3.00 (76.2) | 2.27 (57.7) | 0.30 (7.6) | 1.55 (39.4) | 0.50 (12.7) | 1.75 (44.5) | 125 | — |

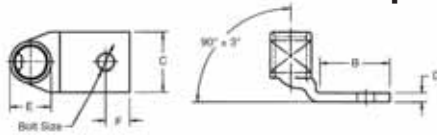
‡ For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements. Call your Regional Sales Office for sizes not listed.

Tooling: pp. E4–E62

Die Selector Chart: pp. E35–E50

Compression Connectors for Copper Conductors

Two-Hole Lugs — 90° Standard Barrel Certified to 600 V and Recommended up to 35 kV[‡]



Material: High-Conductivity Wrought Copper

Finish: Electro-Tin Plated



| Cat. No. | Wire Size | | Bolt Size | Dimensions in. (mm) | | | | | | Die Code | Colour Code |
|------------------|--------------|--|-----------|---------------------|-------------|------------|-------------|-------------|-----------------------------|----------|-------------|
| | Code Cable | Flex Cable Classes G, H, I, K, M | | B | C | D | E | F | G | | |
| 256-31426-141 | #14 – 10 AWG | — | #10 | 1.25 (31.2) | 0.37 (9.4) | 0.07 (1.8) | 0.20 (5.1) | 0.22 (5.6) | 0.63 (16.0) | ERG2002 | Yellow |
| 256-31426-6SPH | | — | #10 | 1.30 (33.0) | 0.37 (9.4) | 0.07 (1.8) | 0.20 (5.1) | 0.22 (5.6) | 0.63 – 0.75 (16.0) – (19.1) | | |
| 256-31426-6 | | — | #10 | 1.30 (33.0) | 0.37 (9.4) | 0.07 (1.8) | 0.20 (5.1) | 0.22 (5.6) | 0.63 (16.0) | | |
| 256-31426-6S | | — | #10 | 1.30 (33.0) | 0.37 (9.4) | 0.07 (1.8) | 0.20 (5.1) | 0.22 (5.6) | 0.63 – 0.75 (16.0) – (19.1) | | |
| 256-30695-1409 | #8 AWG | #8 AWG, 23 Navy #8 Weld 37/24 | #10 | 1.19 (30.2) | 0.41 (10.4) | 0.06 (1.5) | 0.26 (6.6) | 0.23 (5.8) | 0.63 – 0.75 (16.0) – (19.1) | 21 | Red |
| 54204UB | | | #10 | 1.25 (31.8) | 0.42 (10.7) | 0.08 (2.0) | 0.26 (6.6) | 0.25 (6.4) | 0.63 (16.0) | | |
| 256-31426-33UB* | | | #10 | 1.19 (30.2) | 0.41 (10.4) | 0.06 (1.5) | 0.26 (6.6) | 0.23 (5.8) | 0.63 (16.0) | | |
| 256-31426-33UBPH | | | #10 | 1.19 (30.2) | 0.41 (10.4) | 0.06 (1.5) | 0.26 (6.6) | 0.23 (5.8) | 0.63 – 0.75 (16.0) – (19.1) | | |
| 256-30695-1411 | #6 AWG | #6 AWG, 30 Navy #6 Weld 133/0.014 61/24 | #10 | 1.19 (30.2) | 0.44 (11.2) | 0.08 (2.0) | 0.30 (7.6) | 0.23 (5.8) | 0.63 – 0.75 (16.0) – (19.1) | 24 | Blue |
| 256-30695-1183B | | | #10 | 1.19 (30.2) | 0.44 (11.2) | 0.08 (2.0) | 0.30 (7.6) | 0.23 (5.8) | 0.63 – 0.75 (16.0) – (19.1) | | |
| 256-30695-1356 | | | #10 | 1.19 (30.2) | 0.43 (10.1) | 0.08 (2.0) | 0.30 (7.6) | 0.23 (5.8) | 0.63 (16.0) | | |
| 54205UB | | | 1/4 | 1.28 (32.5) | 0.44 (11.2) | 0.08 (2.0) | 0.30 (7.6) | 0.25 (6.4) | 0.63 (16.0) | | |
| 256-30695-252UB | | | 1/4 | 1.56 (39.6) | 0.43 (10.1) | 0.08 (2.0) | 0.30 (7.6) | 0.25 (6.4) | 1.00 (25.4) | | |
| 54206UB | #4 AWG | #5 AWG 40-50 Navy 91/24 133/0.0177 49/0.029 | 1/4 | 1.28 (32.5) | 0.52 (13.2) | 0.10 (2.5) | 0.37 (9.4) | 0.25 (6.4) | 0.63 (16.0) | 29 | Grey |
| 54207UB | #2 AWG | #3 AWG 60 Navy, #4 Weld 125/24 | 1/4 | 1.28 (32.5) | 0.59 (15.0) | 0.11 (2.8) | 0.41 (10.4) | 0.25 (6.4) | 0.63 (16.0) | 33 | Brown |
| 54208UB | #1 AWG | #2 AWG, 75 Navy 150/24 133/0.0223 | 1/4 | 1.28 (32.5) | 0.68 (17.3) | 0.11 (2.8) | 0.47 (11.9) | 0.25 (6.4) | 0.63 (16.0) | 37 | Green |
| 54209UB | 1/0 AWG | 1 AWG 100 Navy, #1 Weld 225/24 133/0.0254 | 3/8 | 1.93 (49.0) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.38 (9.7) | 1.00 (25.4) | 42 | Pink |
| 54209UB0412 | | | 1/4 | 1.55 (39.4) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.25 (6.4) | 0.75 (19.1) | | |
| 54261UB | 2/0 AWG | 1/0 AWG, 125 Navy 1/0 Weld 275/24 133/0.0282 | 5/16 | 1.63 (41.4) | 0.83 (21.1) | 0.14 (3.6) | 0.57 (14.5) | 0.34 (8.6) | 0.88 (22.4) | 45 | Black |
| 54210UB | | | 3/8 | 1.93 (49.0) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54260UB | | | 1/2 | 2.81 (71.4) | 0.83 (21.1) | 0.14 (3.6) | 0.57 (14.5) | 0.38 (9.7) | 1.75 (44.5) | | |
| 54266UB | 3/0 AWG | 2/0 AWG, 150 Navy 2/0 Weld 325/24 133/0.0316 259/0.0227 427/0.0177 | 5/16 | 1.75 (44.5) | 0.94 (23.9) | 0.14 (3.6) | 0.63 (16.0) | 0.34 (8.6) | 1.00 (25.4) | 50 | Orange |
| 54211UB | | | 3/8 | 1.81 (46.0) | 0.94 (23.9) | 0.14 (3.6) | 0.63 (16.0) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54265UB | | | 1/2 | 2.81 (71.4) | 0.94 (23.9) | 0.14 (3.6) | 0.63 (16.0) | 0.38 (9.7) | 1.75 (44.5) | | |
| 54212UB | 4/0 AWG | 3/0 AWG, 200 Navy 3/0 Weld 450/24 703/0.0154 | 3/8 | 1.93 (49.0) | 1.03 (26.2) | 0.14 (3.6) | 0.70 (17.8) | 0.38 (9.7) | 1.00 (25.4) | 54 | Purple |
| 54270UB | | | 1/2 | 3.00 (76.2) | 1.03 (26.2) | 0.14 (3.6) | 0.70 (17.8) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54213UB | 250 kcmil | 4/0 AWG 250 Navy 550/24 | 3/8 | 1.93 (49.0) | 1.13 (28.7) | 0.14 (3.6) | 0.77 (19.6) | 0.38 (9.7) | 1.00 (25.4) | 62 | Yellow |
| 54275UB | | | 1/2 | 2.81 (71.4) | 1.13 (28.7) | 0.18 (4.6) | 0.77 (19.6) | 0.50 (12.7) | 1.75 (44.5) | | |
| 256-30595-399UB | — | 4/0 AWG, 4/0 Weld 550/24 133/0.0399 259/0.0286 637/0.018 | 3/8 | 2.80 (71.1) | 1.25 (31.8) | 0.15 (3.8) | 0.79 (20.1) | 0.38 (9.7) | 1.00 (25.4) | 62 | Yellow |
| 58265UB | — | | 1/2 | 2.81 (71.4) | 0.94 (23.9) | 0.14 (3.6) | 0.79 (20.1) | 0.50 (12.7) | 1.75 (44.5) | | |

* Blind End
[‡] For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements. Call your Regional Sales Office for sizes not listed.
 Tooling: pp. E4–E62
 Die Selector Chart: pp. E35–E50

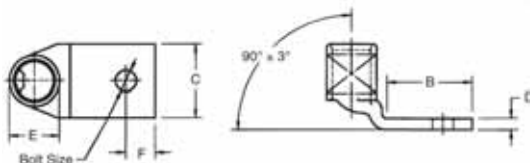


Compression Connectors for Copper Conductors

Two-Hole Lugs — 90° Standard Barrel Certified to 600 V and Recommended up to 35 kV[‡] (cont'd)

Material: High-Conductivity Wrought Copper

Finish: Electro-Tin Plated



| Cat. No. | Wire Size | | Bolt Size | Dimensions in. (mm) | | | | | | Die Code | Colour Code |
|-----------------|------------|---|-----------|---------------------|-------------|-------------|-------------|-------------|-------------|----------|-------------|
| | Code Cable | Flex Cable Classes G, H, I, K, M | | B | C | D | E | F | G | | |
| 54214UB | 300 kcmil | 250 AWG 300 Navy 650/24 = 262 kcmil | 3/8 | 1.93 (49.0) | 1.25 (31.8) | 0.15 (3.8) | 0.85 (21.6) | 0.38 (9.7) | 1.00 (25.4) | 66 | White |
| 54280UB | | | 1/2 | 3.00 (76.2) | 1.25 (31.8) | 0.15 (3.8) | 0.85 (21.6) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54215UB | 350 kcmil | 350 Navy 650/24 = 262 kcmil | 3/8 | 1.93 (49.0) | 1.36 (34.5) | 0.18 (4.6) | 0.93 (23.6) | 0.38 (9.7) | 1.00 (25.4) | 71 | Red |
| 54282UB | | | 1/2 | 3.00 (76.2) | 1.36 (34.5) | 0.18 (4.6) | 0.93 (23.6) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54216UB | 400 kcmil | 300/313 kcmil 775/24 | 3/8 | 1.93 (49.0) | 1.41 (35.8) | 0.17 (4.3) | 0.96 (24.4) | 0.38 (9.7) | 1.06 (26.9) | 76 | Blue |
| 54283UB | | | 3/8 | 1.93 (49.0) | 1.41 (35.8) | 0.17 (4.3) | 0.96 (24.4) | 0.38 (9.7) | 1.75 (44.5) | | |
| 54277UB | - | 400 Weld, 925/24 373 kcmil 259/0.0393 427/0.0306 | 1/2 | 3.00 (76.2) | 1.61 (40.9) | 0.22 (5.6) | 1.04 (26.4) | 0.50 (12.7) | 1.00 (25.4) | 80 | - |
| 54218UB | 500 kcmil | 400 kcmil 500 Navy 925/24 = 373 kcmil | 3/8 | 1.93 (49.0) | 1.61 (40.9) | 0.22 (5.6) | 1.10 (27.9) | 0.38 (9.7) | 1.75 (44.5) | 87 | Brown |
| 54286UB | | | 1/2 | 3.00 (76.2) | 1.61 (40.9) | 0.22 (5.6) | 1.10 (27.9) | 0.50 (12.7) | 1.75 (44.5) | | |
| 256-30695-1221B | | | 3/8 | 1.61 (40.9) | 0.22 (5.6) | 1.10 (27.9) | 0.38 (9.7) | 1.00 (25.4) | | | |
| 54220UB | 600 kcmil | 1100/24, 444 kcmil | 3/8 | 1.93 (49.0) | 1.75 (44.5) | 0.24 (6.1) | 1.20 (30.5) | 0.38 (9.7) | 1.75 (44.5) | 94 | Green |
| 54289UB | | | 1/2 | 3.00 (76.2) | 1.75 (44.5) | 0.24 (6.1) | 1.20 (30.5) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54291UB | 700 kcmil | 1325/24, 535 kcmil | 1/2 | 3.00 (76.2) | 1.84 (46.7) | 0.23 (5.8) | 1.25 (31.8) | 0.50 (12.7) | 1.75 (44.5) | 99 | Pink |
| 54281UB | | | 1/2 | 3.00 (76.2) | 1.84 (46.7) | 0.28 (7.1) | 1.25 (31.8) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54223UB | 750 kcmil | - | 1/2 | 3.00 (76.2) | 1.94 (49.3) | 0.27 (6.9) | 1.33 (33.8) | 0.50 (12.7) | 1.75 (44.5) | 106 | Black |
| 54224UB | 800 kcmil | | 1/2 | 3.00 (76.2) | 2.01 (51.1) | 0.27 (6.9) | 1.38 (35.1) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54226UB | 900 kcmil | 1925/24, 777 kcmil | 1/2 | 3.00 (76.2) | 2.18 (55.4) | 0.31 (7.9) | 1.50 (38.1) | 0.50 (12.7) | 1.75 (44.5) | 115 | Yellow |
| 54228UB | 1000 kcmil | 1000 Navy | 1/2 | 3.00 (76.2) | 2.27 (57.7) | 0.30 (7.6) | 1.55 (39.4) | 0.50 (12.7) | 1.75 (44.5) | 125 | - |

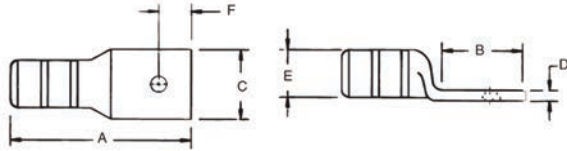
‡ For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements. Call your Regional Sales Office for sizes not listed.

Tooling: pp. E4-E62

Die Selector Chart: pp. E35-E50

Compression Connectors for Copper Conductors

One-Hole Lugs — Long Barrel Certified to 600 V and Recommended up to 35 kV[‡]



Peep Holes Available!
Add suffix -PH

Material: High-Conductivity Wrought Copper

Finish: Electro-Tin Plated



| Cat. No. | Wire Size | | Bolt Size | Dimensions in. (mm) | | | | | | Die Code | Colour Code |
|----------------|------------|----------------------------------|-----------|---------------------|-------------|-------------|------------|-------------|-------------|----------|-------------|
| | Code Cable | Flex Cable Classes G, H, I, K, M | | A | B | C | D | E | F | | |
| 54901BE | #14-10 AWG | — | 1/4 | 1.23 (31.2) | 0.56 (14.2) | 0.50 (12.7) | 0.05 (1.3) | 0.20 (5.1) | 0.25 (6.4) | ERG2002 | — |
| 54929BE | #8 AWG | #8 AWG 37/24 | #10 | 1.65 (41.9) | 0.65 (16.5) | 0.42 (10.7) | 0.08 (2.0) | 0.26 (6.6) | 0.25 (6.4) | 21 | Red |
| 54930BE | | | 1/4 | 1.65 (41.9) | 0.65 (16.5) | 0.42 (10.7) | 0.08 (2.0) | 0.26 (6.6) | 0.25 (6.4) | | |
| 54904BE | #6 AWG | #6 AWG 61/24 | #10 | 1.65 (41.9) | 0.65 (16.5) | 0.44 (11.2) | 0.08 (2.0) | 0.30 (7.6) | 0.25 (6.4) | 24 | Blue |
| 54905BE | | | 1/4 | 1.65 (41.9) | 0.65 (16.5) | 0.44 (11.2) | 0.08 (2.0) | 0.30 (7.6) | 0.25 (6.4) | | |
| 54908BE | #4 AWG | #5 AWG 91/24 | #10 | 1.70 (43.2) | 0.65 (16.5) | 0.52 (13.2) | 0.10 (2.5) | 0.37 (9.4) | 0.25 (6.4) | 29 | Grey |
| 54906BE | | | 1/4 | 1.70 (43.2) | 0.65 (16.5) | 0.52 (13.2) | 0.10 (2.5) | 0.37 (9.4) | 0.25 (6.4) | | |
| 54933BE | #2-3 AWG | #3 AWG 125/24 | #10 | 1.88 (47.8) | 0.65 (16.5) | 0.59 (15.0) | 0.11 (2.8) | 0.41 (10.4) | 0.25 (6.4) | 33 | Brown |
| 54942BE | | | 5/16 | 2.03 (51.6) | 0.88 (22.4) | 0.59 (15.0) | 0.11 (2.8) | 0.41 (10.4) | 0.38 (9.7) | | |
| 54945BE | #1 AWG | #2 AWG 150/24 | #10 | 1.95 (49.5) | 0.65 (16.5) | 0.68 (17.3) | 0.11 (2.8) | 0.47 (11.9) | 0.25 (6.4) | 37 | Green |
| 54947BE | | | 5/16 | 2.18 (55.4) | 0.88 (22.4) | 0.68 (17.3) | 0.11 (2.8) | 0.47 (11.9) | 0.38 (9.7) | | |
| 54946BE | 1/0 AWG | #1 AWG 225/24 | #10 | 1.95 (49.5) | 0.65 (16.5) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.25 (6.4) | 42 | Pink |
| 54949BE | | | 5/16 | 2.18 (55.4) | 0.88 (22.4) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.38 (9.7) | | |
| 54909BE | | | 3/8 | 2.23 (56.6) | 0.93 (23.6) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.38 (9.7) | | |
| 54950BE | | | 1/2 | 2.55 (64.8) | 1.25 (31.8) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.50 (12.7) | | |
| 54910BE | 2/0 AWG | 1/0 AWG 275/24 | 3/8 | 2.28 (57.9) | 1.25 (31.8) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.38 (9.7) | 45 | Black |
| 54951BE | | | 1/2 | 2.60 (66.4) | 1.25 (31.8) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.50 (12.7) | | |
| 54965BE | 3/0 AWG | 2/0 AWG 325/24 | 1/2 | 2.70 (68.6) | 1.25 (31.8) | 0.92 (23.4) | 0.13 (3.3) | 0.63 (16.0) | 0.50 (12.7) | 50 | Orange |
| 256-30695-1252 | 4/0 AWG | 3/0 AWG, 3/0 Weld 450/24 | 1/4 | 2.35 (59.7) | 0.65 (16.5) | 1.03 (33.0) | 0.14 (3.6) | 0.70 (17.8) | 0.75 (19.1) | 54 | Purple |
| 256-30695-1253 | | | 3/8 | 2.95 (74.9) | 1.25 (31.8) | 1.03 (33.0) | 0.14 (3.6) | 0.70 (17.8) | 0.38 (9.7) | | |
| 54970BE | | | 1/2 | 2.95 (74.9) | 1.25 (31.8) | 1.03 (33.0) | 0.14 (3.6) | 0.77 (19.6) | 0.50 (12.7) | | |
| 54913BE | 250 kcmil | 4/0 AWG, 4/0 Weld 550/24 | 1/2 | 3.15 (80.1) | 1.25 (31.8) | 1.13 (28.7) | 0.14 (3.6) | 0.85 (21.6) | 0.50 (12.7) | 62 | Yellow |
| 54914BE | 300 kcmil | 250 kcmil 650/24 = 262 kcmil | 1/2 | 3.50 (88.9) | 1.25 (31.8) | 1.25 (31.8) | 0.15 (3.8) | 0.93 (23.6) | 0.50 (12.7) | 66 | White |
| 54915BE | 350 kcmil | | 1/2 | 3.68 (93.5) | 1.58 (40.1) | 1.36 (34.5) | 0.18 (4.6) | 0.96 (24.4) | 0.50 (12.7) | 71 | Red |
| 54916BE | 400 kcmil | 775/24 = 300/313 kcmil | 1/2 | 3.75 (95.3) | 1.25 (31.8) | 1.41 (35.8) | 0.17 (4.3) | 0.96 (24.4) | 0.50 (12.7) | 76 | Blue |
| 54917BE | | | 5/8 | 4.03 (102.4) | 1.58 (40.1) | 1.41 (35.8) | 0.17 (4.3) | 1.10 (27.9) | 0.63 (16.0) | | |
| 54918BE | 500 kcmil | 400 kcmil 925/24 = 373 kcmil | 1/2 | 4.25 (108.0) | 1.25 (31.8) | 1.61 (40.9) | 0.22 (5.6) | 1.10 (27.9) | 0.50 (12.7) | 87 | Brown |
| 54919BE | | | 5/8 | 4.57 (116.8) | 1.58 (40.1) | 1.61 (40.9) | 0.22 (5.6) | 1.20 (30.5) | 0.63 (16.0) | | |
| 54921BE | 600 kcmil | 1100/24 = 444 kcmil | 1/2 | 4.10 (104.1) | 1.25 (31.8) | 1.75 (44.5) | 0.24 (6.1) | 1.20 (30.5) | 0.50 (12.7) | 94 | Green |
| 54920BE | | | 5/8 | 4.39 (111.6) | 1.58 (40.1) | 1.75 (44.5) | 0.24 (6.1) | 1.20 (30.5) | 0.63 (16.0) | | |
| 54979BE | — | 1325/24 = 535 kcmil | 1/2 | 4.40 (111.8) | 1.25 (31.8) | 1.80 (45.7) | 0.24 (6.1) | 1.25 (31.8) | 0.50 (12.7) | 99 | Pink |
| 54922BE | 750 kcmil | 1325/24 = 535 kcmil | 1/2 | 4.40 (111.8) | 1.25 (31.8) | 1.94 (49.3) | 0.27 (6.9) | 1.33 (33.8) | 0.50 (12.7) | 106 | Black |
| 54923BE | — | 1325/24 = 535 kcmil | 5/8 | 4.72 (119.9) | 1.58 (40.1) | 1.94 (49.3) | 0.27 (6.9) | 1.33 (33.8) | 0.63 (16.0) | | |
| 58984BE | — | 1600/24 = 646 kcmil | 5/8 | 4.73 (120.1) | 1.58 (40.1) | 1.94 (49.3) | 0.27 (6.9) | 1.33 (33.8) | 0.63 (16.0) | | |
| 58926BE | 900 kcmil | 1925/24 = 777 kcmil | 5/8 | 5.23 (132.8) | 1.58 (40.1) | 2.17 (55.1) | 0.31 (7.9) | 1.50 (38.1) | 0.63 (16.0) | 115 | Yellow |
| 54928BE | 1000 kcmil | — | 5/8 | 5.24 (134.0) | 1.58 (40.1) | 2.27 (57.7) | 0.30 (7.6) | 1.55 (39.4) | 0.63 (16.0) | 125 | — |
| 256-30695-918 | | | 7/8 | 5.42 (137.7) | 1.82 (46.2) | 2.38 (60.5) | 0.30 (7.6) | 1.55 (39.4) | 0.88 (22.4) | | |

‡ For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements. Call your Regional Sales Office for sizes not listed.

Tooling: pp. E4-E62

Die Selector Chart: pp. E35-E50

Compression Connector System



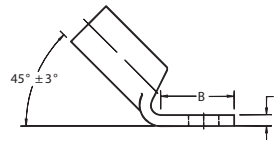
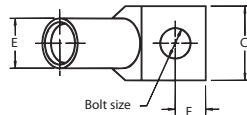
Peep Holes Available!
Add suffix -PH

Compression Connectors for Copper Conductors

One-Hole Lugs — 45° Long Barrel Certified to 600 V and Recommended up to 35 kV[‡]

Material: High-Conductivity Wrought Copper

Finish: Electro-Tin Plated



| Cat. No. | Wire Size | | Bolt Size | Dimensions in. (mm) | | | | | Die Code | Colour Code |
|-------------|------------|----------------------------------|-------------|---------------------|-------------|-------------|-------------|-------------|----------|-------------|
| | Code Cable | Flex Cable Classes G, H, I, K, M | | B | C | D | E | F | | |
| 54929BEUF | #8 AWG | — | #1/0 | 0.65 (16.5) | 0.42 (10.7) | 0.08 (2.0) | 0.26 (6.6) | 0.25 (6.4) | 21 | Red |
| 54930BEUF | #8 AWG | 37/24 | 1/4 | 0.65 (16.5) | 0.42 (10.7) | 0.08 (2.0) | 0.26 (6.6) | 0.25 (6.4) | | |
| 54904BEUF | #6 AWG | 61/24, #6 AWG | #1/0 | 0.65 (16.5) | 0.44 (11.2) | 0.08 (2.0) | 0.30 (7.6) | 0.25 (6.4) | 24 | Blue |
| 54905BEUF | — | — | 1/4 | 0.65 (16.5) | 0.44 (11.2) | 0.08 (2.0) | 0.30 (7.6) | 0.25 (6.4) | | |
| 54908BEUF | — | — | #1/0 | 0.65 (16.5) | 0.52 (13.2) | 0.10 (2.5) | 0.37 (9.4) | 0.25 (6.4) | 29 | Grey |
| 54806BEUF | #4 AWG | #5 AWG, 91/24 | 1/4 | 0.65 (16.5) | 0.52 (13.2) | 0.10 (2.5) | 0.37 (9.4) | 0.25 (6.4) | | |
| 54933BEUF | #2-3 AWG | 125/24 | #1/0 | 0.65 (16.5) | 0.59 (15.0) | 0.11 (2.8) | 0.41 (10.4) | 0.25 (6.4) | 33 | Brown |
| 54942BEUF | #3 AWG | — | 5/16 | 0.88 (22.4) | 0.59 (15.0) | 0.11 (2.8) | 0.41 (10.4) | 0.88 (22.4) | | |
| 54945BEUF | #1 AWG | #2 AWG, 150/24 – 175/24 | #1/0 | 0.65 (16.5) | 0.68 (17.3) | 0.11 (2.8) | 0.47 (11.9) | 0.25 (6.4) | 37 | Green |
| 54947BEUF | — | — | 5/16 | 0.88 (22.4) | 0.68 (17.3) | 0.11 (2.8) | 0.47 (11.9) | 0.38 (9.7) | | |
| 54946BEUF | — | — | #1/0 | 0.65 (16.5) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.25 (6.4) | 42 | Pink |
| 54949BEUF | 1/0 AWG | #1 AWG 225/24 | 5/16 | 0.88 (22.4) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.38 (9.7) | | |
| 54909BEUF | | | 3/8 | 0.93 (23.6) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.38 (9.7) | | |
| 54950BEUF | 1/2 | 1.25 (31.8) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.50 (12.7) | | | | |
| 54910BEUF | 2/0 AWG | 1/0 AWG, 275/24 111 kcmil | 3/8 | 0.93 (23.6) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.38 (9.7) | 45 | Black |
| 54951BEUF | — | — | 1/2 | 1.25 (31.8) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.50 (12.7) | | |
| 54965BEUF | 3/0 AWG | 325/24 – 2/0 AWG | 1/2 | 1.25 (31.8) | 0.92 (23.4) | 0.13 (3.3) | 0.63 (16.0) | 0.50 (12.7) | 50 | Orange |
| 54970BEUF04 | — | — | 1/4 | 1.00 (25.4) | 1.03 (26.1) | 0.14 (3.6) | 0.70 (17.8) | 0.25 (6.4) | | |
| 54970BEUF06 | 4/0 AWG | 450/24 3/0 Weld | 3/8 | 1.13 (23.6) | 1.03 (26.1) | 0.14 (3.6) | 0.70 (17.8) | 0.38 (9.7) | 54 | Purple |
| 54970BEUF | | | 1/2 | 1.25 (31.8) | 1.03 (26.1) | 0.14 (3.6) | 0.70 (17.8) | 0.50 (12.7) | | |
| 54913BEUF | 250 kcmil | 550/24 – 4/0 AWG 4/0 Weld | 1/2 | 1.25 (31.8) | 1.13 (28.7) | 0.14 (3.6) | 0.77 (19.6) | 0.50 (12.7) | 62 | Yellow |
| 54914BEUF | 300 kcmil | 250 kcmil 650/24 = 262 kcmil | 1/2 | 1.25 (31.8) | 1.25 (31.8) | 0.15 (3.8) | 0.85 (21.6) | 0.50 (12.7) | 66 | White |
| 54915BEUF | 350 kcmil | 650/24, 262 kcmil | 1/2 | 1.25 (31.8) | 1.36 (34.8) | 0.18 (4.6) | 0.93 (23.6) | 0.50 (12.7) | 71 | Red |
| 54916BEUF | 400 kcmil | 775/24, 313 kcmil | 1/2 | 1.25 (31.8) | 1.41 (35.8) | 0.17 (4.3) | 0.96 (24.4) | 0.50 (12.7) | 76 | Blue |
| 54917BEUF | | | 5/8 | 1.58 (40.1) | 1.41 (35.8) | 0.17 (4.3) | 0.96 (24.4) | 0.63 (16.0) | | |
| 54918BEUF | 500 kcmil | 925/24, 373 kcmil, 400 kcmil | 1/2 | 1.25 (31.8) | 1.61 (40.9) | 0.22 (5.6) | 1.10 (27.9) | 0.50 (12.7) | 87 | Brown |
| 54919BEUF | | | 5/8 | 1.58 (40.1) | 1.61 (40.9) | 0.22 (5.6) | 1.10 (27.9) | 0.63 (16.0) | | |
| 54921BEUF | 600 kcmil | 1100/24, 444 kcmil | 1/2 | 1.25 (31.8) | 1.75 (44.5) | 0.24 (6.1) | 1.20 (30.5) | 0.50 (12.7) | 94 | Green |
| 54920BEUF | | | 5/8 | 1.58 (40.1) | 1.75 (44.5) | 0.24 (6.1) | 1.20 (30.5) | 0.63 (16.0) | | |
| 54922BEUF | 750 kcmil | 1325/24, 500/535 kcmil | 1/2 | 1.25 (31.8) | 1.94 (49.3) | 0.27 (6.9) | 1.33 (33.8) | 0.50 (12.7) | 106 | Black |
| 54923BEUF | | | 5/8 | 1.58 (40.1) | 1.94 (49.3) | 0.27 (6.9) | 1.33 (33.8) | 0.63 (16.0) | | |
| 58984BEUF | — | 1600/24, 646 kcmil | 5/8 | 1.58 (40.1) | 1.94 (49.3) | 0.27 (6.9) | 1.33 (33.8) | 0.63 (16.0) | 115 | Yellow |
| 58926BEUF | 900 kcmil | 1925/24, 777 kcmil | 5/8 | 1.58 (40.1) | 2.17 (55.1) | 0.31 (7.9) | 1.50 (38.1) | 0.63 (16.0) | | |
| 54928BEUF | 1000 kcmil | — | 5/8 | 1.58 (40.1) | 2.27 (57.7) | 0.30 (7.6) | 1.55 (39.4) | 0.63 (16.0) | 125 | — |
| 54928BEUF12 | | | 7/8 | 1.83 (46.5) | 2.37 (60.2) | 0.30 (7.6) | 1.55 (39.4) | 0.88 (22.4) | | |

[‡] For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements. Call your Regional Sales Office for sizes not listed.

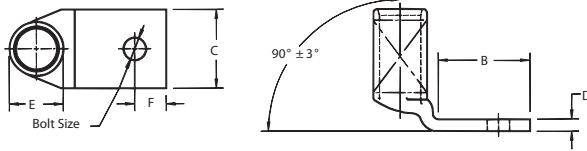
Tooling: pp. E4–E62

Die Selector Chart: pp. E35–E50

Compression Connectors for Copper Conductors

One-Hole Lugs — 90° Long Barrel Certified to 600 V and Recommended up to 35 kV[‡]

*Peep Holes Available!
Add suffix -PH*



Material: High-Conductivity Wrought Copper

Finish: Electro-Tin Plated

| Cat. No. | Wire Size | | Bolt Size | Dimensions in. (mm) | | | | | Die Code | Colour Code |
|-------------|------------|------------------------------------|-----------|---------------------|-------------|------------|-------------|-------------|----------|-------------|
| | Code Cable | Flex Cable Classes G, H, I, K, M | | B | C | D | E | F | | |
| 54929BEUB | #8 AWG | 37/24 | #10 | 0.65 (16.5) | 0.42 (10.7) | 0.08 (2.0) | 0.26 (6.6) | 0.25 (6.4) | 21 | Red |
| 54930BEUB | | | 1/4 | 0.65 (16.5) | 0.42 (10.7) | 0.08 (2.0) | 0.26 (6.6) | 0.25 (6.4) | | |
| 54904BEUB | #6 AWG | #6 AWG, 61/24 | #10 | 0.65 (16.5) | 0.44 (11.2) | 0.08 (2.0) | 0.30 (7.6) | 0.25 (6.4) | 24 | Blue |
| 54905BEUB | | | 1/4 | 0.65 (16.5) | 0.44 (11.2) | 0.08 (2.0) | 0.30 (7.6) | 0.25 (6.4) | | |
| 54908BEUB | #4 AWG | #5 AWG, 91/24 | #10 | 0.65 (16.5) | 0.52 (13.2) | 0.10 (2.5) | 0.37 (9.4) | 0.25 (6.4) | 29 | Grey |
| 54806BEUB | | | 1/4 | 0.65 (16.5) | 0.52 (13.2) | 0.10 (2.5) | 0.37 (9.4) | 0.25 (6.4) | | |
| 54933BEUB | #2-3 AWG | 125/24 | #10 | 0.65 (16.5) | 0.59 (15.0) | 0.11 (2.8) | 0.41 (10.4) | 0.25 (6.4) | 33 | Brown |
| 54942BEUB | | | 5/16 | 0.88 (22.4) | 0.59 (15.0) | 0.11 (2.8) | 0.41 (10.4) | 0.38 (9.7) | | |
| 54945BEUB | #1 AWG | #2 AWG, 150/24 – 175/24 | #10 | 0.65 (16.5) | 0.68 (17.3) | 0.11 (2.8) | 0.47 (11.9) | 0.25 (6.4) | 37 | Green |
| 54947BEUB | | | 5/16 | 0.88 (22.4) | 0.68 (17.3) | 0.11 (2.8) | 0.47 (11.9) | 0.38 (9.7) | | |
| 54946BEUB | 1/0 AWG | #1 AWG 225/24 | #10 | 0.65 (16.5) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.25 (6.4) | 42 | Pink |
| 54949BEUB | | | 5/16 | 0.88 (22.4) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.38 (9.7) | | |
| 54909BEUB | | | 3/8 | 0.93 (23.6) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.38 (9.7) | | |
| 54950BEUB | | | 1/2 | 1.25 (31.8) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.50 (12.7) | | |
| 54910BEUB | 2/0 AWG | 1/0 AWG, 275/24 | 3/8 | 0.93 (23.6) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.38 (9.7) | 45 | Black |
| 54951BEUB | | | 1/2 | 1.25 (31.8) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.50 (12.7) | | |
| 54965BEUB | 3/0 AWG | 2/0 AWG – 325/24 | 1/2 | 1.25 (31.8) | 0.92 (23.4) | 0.13 (3.3) | 0.63 (16.0) | 0.50 (12.7) | 50 | Orange |
| 54970BEUB04 | 4/0 AWG | 3/0 AWG, 450/24 3/0 Weld | 1/4 | 1.00 (25.4) | 1.03 (26.2) | 0.14 (3.6) | 0.70 (17.8) | 0.25 (6.4) | 54 | Purple |
| 54970BEUB06 | | | 3/8 | 1.13 (28.7) | 1.03 (26.2) | 0.14 (3.6) | 0.70 (17.8) | 0.38 (9.7) | | |
| 54970BEUB | | | 1/2 | 1.25 (31.8) | 1.03 (26.2) | 0.14 (3.6) | 0.70 (17.8) | 0.50 (12.7) | | |
| 54913BEUB | 250 kcmil | 550/24 – 4/0 AWG, 4/0 Weld | 1/2 | 1.25 (31.8) | 1.13 (28.7) | 0.14 (3.6) | 0.77 (19.6) | 0.50 (12.7) | 62 | Yellow |
| 54914BEUB | 300 kcmil | 250 kcmil, 650/24 = 262 kcmil | 1/2 | 1.25 (31.8) | 1.25 (31.8) | 0.15 (3.8) | 0.85 (21.6) | 0.50 (12.7) | 66 | White |
| 54915BEUB | 350 kcmil | 650/24, 262 kcmil | 1/2 | 1.25 (31.8) | 1.36 (34.5) | 0.18 (4.6) | 0.93 (23.6) | 0.50 (12.7) | 71 | Red |
| 54916BEUB | 400 kcmil | 775/24, 300/313 kcmil | 1/2 | 1.58 (40.1) | 1.41 (35.8) | 0.17 (4.3) | 0.96 (24.4) | 0.50 (12.7) | 76 | Blue |
| 54917BEUB | | | 5/8 | 1.25 (31.8) | 1.41 (35.8) | 0.17 (4.3) | 0.96 (24.4) | 0.63 (16.0) | | |
| 54918BEUB | 500 kcmil | 925/24, 350/373 kcmil 400 kcmil | 1/2 | 1.58 (40.1) | 1.61 (40.9) | 0.22 (5.6) | 1.10 (27.9) | 0.50 (12.7) | 87 | Brown |
| 54919BEUB | | | 5/8 | 1.25 (31.8) | 1.61 (40.9) | 0.22 (5.6) | 1.10 (27.9) | 0.63 (16.0) | | |
| 54921BEUB | 600 kcmil | 1100/24, 444 kcmil | 1/2 | 1.58 (40.1) | 1.75 (44.5) | 0.24 (6.1) | 1.20 (30.5) | 0.50 (12.7) | 94 | Green |
| 54920BEUB | | | 5/8 | 1.25 (31.8) | 1.75 (44.5) | 0.24 (6.1) | 1.20 (30.5) | 0.63 (16.0) | | |
| 54922BEUB | 750 kcmil | 1325/24, 500/535 kcmil | 1/2 | 1.25 (31.8) | 1.94 (49.3) | 0.27 (6.9) | 1.33 (33.8) | 0.50 (12.7) | 106 | Black |
| 54923BEUB | | | 5/8 | 1.58 (40.1) | 1.94 (49.3) | 0.27 (6.9) | 1.33 (33.8) | 0.63 (16.0) | | |
| 58984BEUB | – | 1600/24, 646 kcmil | 5/8 | 1.58 (40.1) | 1.94 (49.3) | 0.27 (6.9) | 1.33 (33.8) | 0.63 (16.0) | – | – |
| 58926BEUB | 900 kcmil | 1925/24, 777 kcmil | 5/8 | 1.58 (40.1) | 2.17 (55.1) | 0.31 (7.9) | 1.50 (38.1) | 0.63 (16.0) | 115 | Yellow |
| 54928BEUB | 1000 kcmil | – | 5/8 | 1.58 (40.1) | 2.27 (57.7) | 0.30 (7.6) | 1.55 (39.4) | 0.63 (16.0) | 125 | – |
| 54928BEUB12 | | | 7/8 | 1.58 (46.5) | 2.37 (60.2) | 0.30 (7.6) | 1.55 (39.4) | 0.88 (22.4) | | |

[‡] For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements. Call your Regional Sales Office for sizes not listed.

Tooling: pp. E4–E62

Die Selector Chart: pp. E35–E50

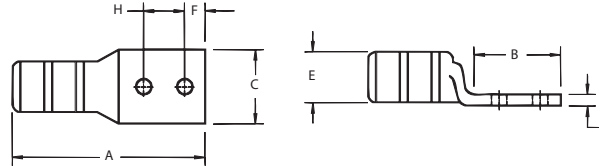
Peep Holes Available!
Add suffix -PH



Compression Connectors for Copper Conductors

Two-Hole Lugs — Long Barrel Certified to 600 V and Recommended up to 35 kV[‡]

Material: High-Conductivity Wrought Copper
Finish: Electro-Tin Plated



| Cat. No. | Wire Size | | Bolt Size | Dimensions in. (mm) | | | | | | Die Code | Colour Code | |
|-----------------|------------|----------------------------------|-------------|---------------------|-------------|-------------|-------------|-------------|-------------|-----------------------------|-------------|--------|
| | Code Cable | Flex Cable Classes G, H, I, K, M | | A | B | C | D | E | F | | | H |
| 54801BE | #14-10 AWG | - | 1/4 | 1.86 (47.2) | 1.19 (30.2) | 0.50 (12.7) | 0.05 (1.3) | 0.20 (5.1) | 0.25 (6.4) | 0.63 (16.0) | ERG2002 | Yellow |
| 256-31426-3 | | | #10 | 2.00 (50.8) | 1.25 (31.2) | 0.37 (9.4) | 0.07 (1.8) | 0.20 (5.1) | 0.25 (6.4) | 0.63 (16.0) | | |
| 256-31426-3SPH | | | #10 | 2.00 (50.8) | 1.25 (31.2) | 0.37 (9.4) | 0.07 (1.8) | 0.20 (5.1) | 0.22 (5.6) | 0.63 - 0.75 (16.0) - (19.1) | | |
| 256-30695-1298 | | | 1/4 | 1.89 (48.0) | 1.22 (31.0) | 0.50 (12.7) | 0.05 (1.3) | 0.20 (5.1) | 0.25 (6.4) | 0.63 (16.0) | | |
| 256-30695-1730 | | | 1/4 | 1.98 (50.3) | 1.31 (33.3) | 0.50 (12.7) | 0.05 (1.3) | 0.20 (5.1) | 0.25 (6.4) | 0.63 - 0.75 (16.0) - (19.1) | | |
| 54850BE | #8 AWG | #8 AWG, #8 Weld 37/24 | 1/4 | 2.19 (55.6) | 1.89 (48.0) | 0.42 (10.7) | 0.07 (1.78) | 0.26 (6.6) | 0.25 (6.4) | 0.63 (16.0) | 21 | Red |
| 54851BE | | | 1/4 | 2.31 (58.7) | 1.29 (32.8) | 0.47 (11.9) | 0.06 (1.52) | 0.26 (6.6) | 0.25 (6.4) | 0.75 (19.1) | | |
| 256-30695-1157 | | | 3/8 | 3.00 (76.2) | 2.10 (53.3) | 0.56 (14.2) | 0.06 (1.52) | 0.26 (6.6) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54852BE | #6 AWG | #6 AWG, 61/24, #6 Weld | 1/4 | 2.28 (57.9) | 1.28 (32.5) | 0.44 (11.1) | 0.08 (2.03) | 0.30 (7.6) | 0.25 (6.4) | 0.63 (16.0) | 24 | Blue |
| 256-30695-1014 | | | 1/4 | 2.63 (66.8) | 1.63 (41.4) | 0.43 (10.9) | 0.08 (2.03) | 0.30 (7.6) | 0.25 (6.4) | 1.00 (25.4) | | |
| 256-30695-1225 | | | 1/4 | 2.43 (61.7) | 1.43 (36.3) | 0.43 (10.9) | 0.08 (2.03) | 0.30 (7.6) | 0.25 (6.4) | 0.75 (19.1) | | |
| 256-30695-1158 | | | 3/8 | 2.93 (74.4) | 1.93 (49.0) | 0.59 (14.9) | 0.06 (1.52) | 0.30 (7.6) | 0.38 (9.7) | 1.00 (25.4) | | |
| 256-30695-868 | | | 1/2 | 4.18 (106.2) | 3.00 (76.2) | 0.88 (22.4) | 0.11 (2.8) | 0.30 (7.6) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54854BE | #4 AWG | 91/24, #5 AWG, #4 Weld | 1/4 | 2.31 (58.7) | 1.19 (30.2) | 0.52 (13.1) | 0.10 (2.5) | 0.37 (9.4) | 0.25 (6.4) | 0.63 (16.0) | 29 | Grey |
| 256-30695-1246 | | | 1/4 | 2.31 (54.1) | 1.31 (33.3) | 0.56 (14.2) | 0.09 (2.3) | 0.37 (9.4) | 0.25 (6.4) | 0.75 (19.1) | | |
| 256-30695-1015 | | | 1/4 | 2.88 (73.2) | 1.88 (47.8) | 0.58 (14.7) | 0.09 (2.3) | 0.37 (9.4) | 0.38 (9.7) | 1.00 (25.4) | | |
| 256-30695-1337 | | | 5/16 | 2.75 (69.9) | 1.75 (44.5) | 0.56 (14.2) | 0.10 (2.5) | 0.37 (9.4) | 0.34 (8.4) | 1.00 (25.4) | | |
| 256-30695-1159 | | | 3/8 | 3.13 (79.5) | 1.98 (50.3) | 0.59 (14.9) | 0.09 (2.3) | 0.37 (9.4) | 0.38 (9.7) | 1.00 (25.4) | | |
| 256-30695-733 | 1/2 | 4.18 (106.2) | 3.00 (76.2) | 0.88 (22.4) | 0.09 (2.3) | 0.37 (9.4) | 0.50 (12.7) | 1.75 (44.5) | | | | |
| 256-30695-1016 | #2-3 AWG | #3 AWG, 125/24 | 1/4 | 3.06 (77.7) | 1.88 (47.8) | 0.67 (17.0) | 0.09 (2.3) | 0.41 (10.4) | 0.38 (9.7) | 1.00 (25.4) | 33 | Brown |
| 54855BE | | | 1/4 | 2.43 (61.7) | 1.28 (32.5) | 0.59 (14.9) | 0.11 (2.8) | 0.41 (10.4) | 0.50 (12.7) | 0.63 (16.0) | | |
| 256-30695-1300 | | | 1/4 | 2.63 (66.8) | 1.35 (34.3) | 0.68 (17.3) | 0.11 (2.8) | 0.41 (10.4) | 0.25 (6.4) | 0.75 (19.1) | | |
| 54856BE | | | 5/16 | 2.78 (70.6) | 1.63 (41.4) | 0.59 (14.9) | 0.11 (2.8) | 0.41 (10.4) | 0.38 (9.7) | 0.75 (19.1) | | |
| 54810BE | | | 3/8 | 3.80 (96.5) | 2.57 (65.3) | 0.59 (14.9) | 0.11 (2.8) | 0.41 (10.4) | 0.38 (9.7) | 1.75 (44.5) | | |
| 256-30695-1160 | | | 3/8 | 3.08 (78.2) | 1.94 (49.3) | 0.59 (14.9) | 0.11 (2.8) | 0.41 (10.4) | 0.38 (9.7) | 1.00 (25.4) | | |
| 256-30695-869 | | | 1/2 | 4.02 (102.1) | 2.88 (73.2) | 0.25 (6.4) | 0.75 (19.1) | 0.41 (10.4) | 0.63 (16.0) | 1.75 (44.5) | | |
| 54811BE | | | 1/2 | 4.28 (108.7) | 3.00 (76.2) | 0.88 (22.4) | 0.11 (2.8) | 0.41 (10.4) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54809BE | | | 1/4 | 2.88 (73.2) | 1.19 (30.2) | 0.67 (17.0) | 0.11 (2.8) | 0.47 (11.9) | 0.25 (6.4) | 0.63 (16.0) | | |
| 54812BE | | | 1/4 | 2.75 (69.9) | 1.40 (35.6) | 0.67 (17.0) | 0.11 (2.8) | 0.47 (11.9) | 0.25 (6.4) | 0.75 (19.1) | | |
| 54858BE | 5/16 | 2.94 (75.4) | 1.63 (41.4) | 0.67 (17.0) | 0.11 (2.8) | 0.47 (11.9) | 0.38 (9.7) | 0.88 (22.4) | | | | |
| 256-30695-1161 | 3/8 | 3.30 (83.8) | 1.98 (50.3) | 0.67 (17.0) | 0.11 (2.8) | 0.47 (11.9) | 0.38 (9.7) | 1.00 (25.4) | | | | |
| 54857BE | 1/2 | 4.43 (112.5) | 3.00 (76.2) | 0.88 (22.4) | 0.11 (2.8) | 0.47 (11.9) | 0.50 (12.7) | 1.75 (44.5) | | | | |
| 256-30695-1018 | 1/0 AWG | #1 AWG, 225/24 | 1/4 | 3.63 (92.2) | 1.88 (47.8) | 0.75 (19.0) | 0.13 (3.3) | 0.52 (13.2) | 0.38 (9.7) | 1.00 (25.4) | 42 | Pink |
| 256-30695-1018P | | | 1/4 | 3.63 (92.2) | 1.88 (47.8) | 0.75 (19.0) | 0.13 (3.3) | 0.52 (13.2) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54859BE | | | 1/4 | 2.63 (66.8) | 1.19 (30.2) | 0.75 (19.0) | 0.13 (3.3) | 0.52 (13.2) | 0.25 (6.4) | 0.63 (16.0) | | |
| 54813BE | | | 1/4 | 2.71 (68.8) | 1.38 (35.1) | 0.75 (19.0) | 0.13 (3.3) | 0.52 (13.2) | 0.25 (6.4) | 0.75 (19.1) | | |
| 54860BE | | | 5/16 | 2.97 (75.4) | 1.63 (41.4) | 0.75 (19.0) | 0.13 (3.3) | 0.52 (13.2) | 0.50 (12.7) | 0.88 (22.4) | | |
| 256-30695-1162P | | | 3/8 | 3.25 (82.3) | 1.98 (50.3) | 0.75 (19.0) | 0.13 (3.3) | 0.52 (13.2) | 0.38 (9.7) | 1.00 (25.4) | | |
| 256-30695-1162 | | | 3/8 | 3.23 (82.0) | 1.93 (49.0) | 0.75 (19.0) | 0.13 (3.3) | 0.52 (13.2) | 0.38 (9.7) | 1.00 (25.4) | | |
| 256-30695-593 | | | 1/2 | 4.33 (110.0) | 3.00 (76.2) | 0.75 (19.0) | 0.13 (3.3) | 0.52 (13.2) | 0.63 (16.0) | 1.75 (44.5) | | |

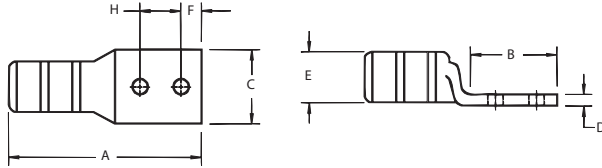
[‡] For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements. Call your Regional Sales Office for sizes not listed.
Tooling: pp. E4-E62
Die Selector Chart: pp. E35-E50

Peep Holes Available!
Add suffix -PH



Compression Connectors for Copper Conductors

Two-Hole Lugs — Long Barrel Certified to 600 V and Recommended up to 35 kV[‡] (cont'd)



Material: High-Conductivity Wrought Copper

Finish: Electro-Tin Plated



| Cat. No. | Wire Size | | Bolt Size | Dimensions in. (mm) | | | | | | | Die Code | Colour Code |
|-----------------|------------|----------------------------------|-----------|---------------------|-------------|-------------|------------|-------------|-------------|-------------|----------|-------------|
| | Code Cable | Flex Cable Classes G, H, I, K, M | | A | B | C | D | E | F | H | | |
| 54814BE | 2/0 AWG | 1/0 AWG, 1/0 Weld 275/24 | 1/4 | 2.62 (66.5) | 1.25 (31.8) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.25 (6.4) | 0.63 (16.0) | 45 | Black |
| 256-30695-1299 | | | 1/4 | 2.69 (68.3) | 1.31 (33.3) | 0.81 (20.6) | 0.13 (3.3) | 0.57 (14.5) | 0.25 (6.4) | 0.75 (19.1) | | |
| 256-30695-1116 | | | 3/8 | 3.19 (81.0) | 1.81 (46.0) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.38 (9.7) | 1.00 (25.4) | | |
| 256-30695-1116P | | | 3/8 | 3.19 (81.0) | 1.81 (46.0) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54862BE | 3/0 AWG | 2/0 AWG, 2/0 Weld 325/24 | 1/2 | 4.20 (106.7) | 2.81 (71.4) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.50 (12.7) | 1.75 (44.5) | 50 | Orange |
| 54815BE | | | 1/4 | 2.89 (73.4) | 1.45 (36.8) | 0.92 (23.4) | 0.13 (3.3) | 0.63 (16.0) | 0.25 (6.4) | 0.75 (19.1) | | |
| 54816BE | | | 3/8 | 3.25 (82.6) | 1.63 (41.4) | 0.92 (23.4) | 0.13 (3.3) | 0.63 (16.0) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54864BE | | | 1/2 | 4.48 (113.8) | 3.00 (76.2) | 0.94 (23.9) | 0.13 (3.3) | 0.63 (16.0) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54817BE | 4/0 AWG | 3/0 AWG, 3/0 Weld 450/24 | 1/4 | 3.15 (80.0) | 1.38 (35.1) | 1.03 (33.0) | 0.14 (3.6) | 0.70 (17.8) | 0.25 (6.4) | 0.75 (19.1) | 54 | Purple |
| 54818BE | | | 3/8 | 4.38 (111.3) | 2.63 (66.8) | 1.03 (33.0) | 0.14 (3.6) | 0.70 (17.8) | 0.38 (9.7) | 1.75 (44.5) | | |
| 256-30695-1117 | | | 3/8 | 3.35 (85.1) | 1.81 (46.0) | 1.03 (33.0) | 0.14 (3.6) | 0.70 (17.8) | 0.38 (9.7) | 1.00 (25.4) | | |
| 256-30695-1117P | | | 3/8 | 3.50 (88.9) | 1.88 (47.8) | 1.03 (33.0) | 0.14 (3.6) | 0.70 (17.8) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54866BE | 250 kcmil | 4/0 AWG, 4/0 Weld 550/24 | 1/2 | 4.70 (119.4) | 3.00 (76.2) | 1.03 (33.0) | 0.14 (3.6) | 0.70 (17.8) | 0.50 (12.7) | 1.75 (44.5) | 62 | Yellow |
| 256-30695-1245 | | | 3/8 | 3.83 (97.3) | 1.93 (49.0) | 1.13 (28.7) | 0.14 (3.6) | 0.77 (19.6) | 0.38 (9.7) | 1.00 (25.4) | | |
| 256-30695-1245P | | | 3/8 | 3.83 (97.3) | 1.93 (49.0) | 1.13 (28.7) | 0.14 (3.6) | 0.77 (19.6) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54868BE | | | 1/2 | 4.92 (125.0) | 3.00 (76.2) | 1.13 (28.7) | 0.14 (3.6) | 0.77 (19.6) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54819BE | 300 kcmil | 250 kcmil 650/24 = 262 kcmil | 3/8 | 5.04 (137.2) | 2.80 (71.1) | 1.25 (31.8) | 0.15 (3.8) | 0.85 (21.6) | 0.38 (9.7) | 1.00 (25.4) | 66 | White |
| 54870BE | | | 1/2 | 5.23 (132.8) | 3.00 (76.2) | 1.25 (31.8) | 0.15 (3.8) | 0.85 (21.6) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54820BE | 350 kcmil | - | 1/4 | 4.29 (109.0) | 1.93 (49.0) | 1.36 (34.5) | 0.18 (4.6) | 0.93 (23.6) | 0.25 (6.4) | 1.75 (44.5) | 71 | Red |
| 256-30695-1118 | | | 3/8 | 4.33 (110.0) | 1.93 (49.0) | 1.36 (34.5) | 0.18 (4.6) | 0.93 (23.6) | 0.38 (9.7) | 1.00 (25.4) | | |
| 256-30695-1118P | | | 3/8 | 4.33 (110.0) | 1.93 (49.0) | 1.36 (34.5) | 0.18 (4.6) | 0.93 (23.6) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54872BE | | | 1/2 | 5.40 (137.2) | 3.00 (76.2) | 1.36 (34.5) | 0.18 (4.6) | 0.93 (23.6) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54822BE | 400 kcmil | 300 kcmil 775/24, 313 kcmil | 1/4 | 4.38 (111.3) | 1.93 (49.0) | 1.41 (35.8) | 0.17 (4.3) | 0.96 (24.4) | 0.25 (6.4) | 0.75 (19.1) | 76 | Blue |
| 54821BE | | | 3/8 | 4.43 (112.5) | 1.93 (49.0) | 1.41 (35.8) | 0.17 (4.3) | 0.96 (24.4) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54874BE | | | 1/2 | 5.51 (140.0) | 3.00 (76.2) | 1.41 (35.8) | 0.17 (4.3) | 0.96 (24.4) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54823BE | | | 1/4 | 4.93 (125.2) | 1.94 (49.3) | 1.61 (40.9) | 0.22 (5.6) | 1.10 (27.9) | 0.25 (6.4) | 0.75 (19.1) | | |
| 256-30695-1119 | 500 kcmil | 400 kcmil 925/24 350/373 kcmil | 3/8 | 5.00 (127.0) | 1.93 (49.0) | 1.61 (40.9) | 0.22 (5.6) | 1.10 (27.9) | 0.38 (9.7) | 1.00 (25.4) | 87 | Brown |
| 256-30695-1119P | | | 3/8 | 5.00 (127.0) | 1.93 (49.0) | 1.61 (40.9) | 0.22 (5.6) | 1.10 (27.9) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54876BE | | | 1/2 | 6.00 (152.4) | 3.00 (76.2) | 1.61 (40.9) | 0.22 (5.6) | 1.10 (27.9) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54824BE | | | 3/8 | 5.70 (144.8) | 2.80 (71.1) | 1.75 (44.5) | 0.24 (6.1) | 1.20 (30.5) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54878BE | 600 kcmil | 1100/24, 444 kcmil | 1/2 | 5.83 (148.1) | 3.00 (76.2) | 1.75 (44.5) | 0.24 (6.1) | 1.20 (30.5) | 0.50 (12.7) | 1.75 (44.5) | 94 | Green |
| 54879BE | 700 kcmil | 1325/24, 535 kcmil | 1/2 | 5.83 (148.1) | 3.00 (76.2) | 1.80 (45.7) | 0.24 (6.1) | 1.25 (31.8) | 0.50 (12.7) | 1.75 (44.5) | 99 | Pink |
| 256-30695-1222 | 750 kcmil | 1325/24, 535 kcmil | 3/8 | 5.25 (133.4) | 2.06 (52.3) | 1.94 (49.3) | 0.27 (6.7) | 1.33 (33.8) | 0.50 (12.7) | 1.00 (25.4) | 106 | Black |
| 256-30695-1222P | | | 3/8 | 5.25 (133.4) | 2.06 (52.3) | 1.94 (49.3) | 0.27 (6.7) | 1.33 (33.8) | 0.50 (12.7) | 1.00 (25.4) | | |
| 54880BE | | | 1/2 | 6.20 (157.5) | 3.00 (76.2) | 1.94 (49.3) | 0.27 (6.9) | 1.33 (33.8) | 0.50 (12.7) | 1.75 (44.5) | | |
| 58884BE | | | 1/2 | 6.16 (156.5) | 3.00 (76.2) | 1.94 (49.3) | 0.27 (6.9) | 1.33 (33.8) | 0.50 (12.7) | 1.75 (44.5) | | |
| 58826BE | 900 kcmil | 1925/24, 777 kcmil | 1/2 | 6.74 (171.2) | 3.00 (76.2) | 2.18 (55.4) | 0.31 (7.9) | 1.50 (38.1) | 0.50 (12.7) | 1.75 (44.5) | 115 | Yellow |
| 54826BE | 1000 kcmil | - | 3/8 | 6.49 (164.8) | 2.80 (71.1) | 2.27 (57.7) | 0.30 (7.6) | 1.55 (39.4) | 0.38 (9.7) | 1.00 (25.4) | 125 | - |
| 54882BE | | | 1/2 | 6.66 (169.2) | 3.00 (76.2) | 2.27 (57.7) | 0.30 (7.6) | 1.55 (39.4) | 0.38 (9.7) | 1.75 (44.5) | | |
| 54888BE | | | 1/2 | 7.88 (200.2) | 3.00 (76.2) | 2.42 (61.5) | 0.35 (8.9) | 1.67 (42.4) | 0.63 (16.0) | 1.75 (44.5) | | |

‡ For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements. Call your Regional Sales Office for sizes not listed.
Tooling: pp. E4-E62
Die Selector Chart: pp. E35-E50

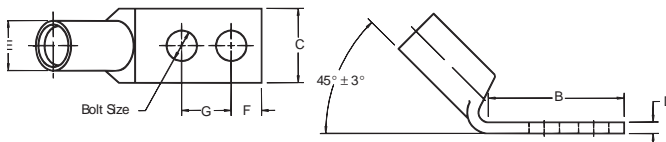


Peep Holes Available!
Add suffix -PH

Compression Connectors for Copper Conductors

Two-Hole Lugs — 45° Long Barrel Certified to 600 V and Recommended up to 35 kV[‡]

Material: High-Conductivity Wrought Copper
Finish: Electro-Tin Plated



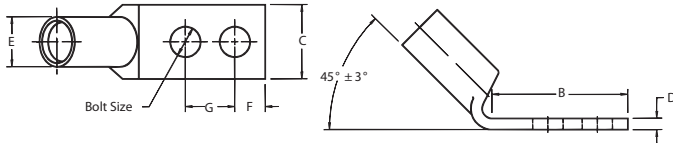
| Cat. No. | Wire Size | | Bolt Size | Dimensions in. (mm) | | | | | | Die Code | Colour Code |
|------------------|--------------|----------------------------------|-----------|---------------------------------------|-------------|-------------|-------------|-------------|---------------------------|----------|-------------|
| | Code Cable | Flex Cable Classes G, H, I, K, M | | B | C | D | E | F | G | | |
| 256-31426-3SPHUF | #14 – 10 AWG | - | #10 | 1.25 (31.75) | 0.37 (9.4) | 0.07 (1.8) | 0.20 (5.1) | 0.22 (5.6) | 0.50 – 0.63 (12.7 – 16.0) | ERG2002 | Yellow |
| 256-30695-1298UF | | | 1/4 | 1.22 (31.0) | 0.50 (12.7) | 0.05 (1.3) | 0.20 (5.1) | 0.25 (6.4) | 0.63 (16.0) | | |
| 54850BEUF | #8 AWG | #8 AWG 37/24 #8 Weld | 1/4 | 1.89 (48.0) | 0.42 (10.7) | 0.07 (17.8) | 0.26 (6.6) | 0.25 (6.4) | 0.63 (16.0) | 21 | Red |
| 54851BEUF | | | 1/4 | 1.29 (32.8) | 0.47 (11.9) | 0.06 (15.2) | 0.26 (6.6) | 0.25 (6.4) | 0.75 (19.1) | | |
| 54851BEUF0612 | | | 3/8 | 1.42 (36.1) | 0.47 (11.9) | 0.06 (15.2) | 0.26 (6.6) | 0.38 (9.7) | 0.75 (19.1) | | |
| 54852BEUF | #6 AWG | #6 AWG 61/24 #6 Weld | 1/4 | 1.28 (32.5) | 0.44 (11.2) | 0.08 (20.3) | 0.30 (7.6) | 0.25 (6.4) | 0.38 (9.7) | 24 | Blue |
| 54852BEUF0416 | | | 1/4 | 1.63 (41.4) | 0.43 (10.9) | 0.08 (20.3) | 0.30 (7.6) | 0.25 (6.4) | 1.00 (25.4) | | |
| 54852BEUF0412 | | | 1/4 | 1.43 (36.3) | 0.43 (10.9) | 0.08 (20.3) | 0.30 (7.6) | 0.25 (6.4) | 0.75 (19.1) | | |
| 54852BEUF0616 | | | 3/8 | 1.93 (49.0) | 0.59 (15.0) | 0.06 (15.2) | 0.30 (7.6) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54852BEUF0828 | | | 1/2 | 3.00 (76.2) | 0.88 (22.4) | 0.11 (2.8) | 0.30 (7.6) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54854BEUF | #4 AWG | #5 AWG 91/24 #4 Weld | 1/4 | 1.19 (30.2) | 0.52 (13.2) | 0.10 (2.5) | 0.37 (9.4) | 0.25 (6.4) | 0.63 (16.0) | 29 | Grey |
| 54854BEUF0412 | | | 1/4 | 1.31 (33.3) | 0.56 (14.2) | 0.09 (2.3) | 0.37 (9.4) | 0.25 (6.4) | 0.75 (19.1) | | |
| 54854BEUF0416 | | | 1/4 | 1.88 (47.8) | 0.58 (14.7) | 0.09 (2.3) | 0.37 (9.4) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54854BEUF0516 | | | 5/16 | 1.75 (44.5) | 0.56 (14.2) | 0.10 (2.5) | 0.37 (9.4) | 0.63 (16.0) | 1.00 (25.4) | | |
| 54854BEUF0616 | | | 3/8 | 1.98 (50.3) | 0.59 (15.0) | 0.09 (2.3) | 0.37 (9.4) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54854BEUF0828 | | | 1/2 | 3.00 (76.2) | 0.88 (22.4) | 0.09 (2.3) | 0.37 (9.4) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54855BEUF0416 | #2-3 AWG | #3 AWG 125/24 | 1/4 | 1.88 (47.8) | 0.67 (17.0) | 0.09 (2.3) | 0.41 (10.4) | 0.38 (9.7) | 1.00 (25.4) | 33 | Brown |
| 54855BEUF | | | 1/4 | 1.28 (32.5) | 0.59 (15.0) | 0.11 (2.8) | 0.41 (10.4) | 0.25 (6.4) | 0.63 (16.0) | | |
| 54855BEUF0412 | | | 1/4 | 1.35 (34.3) | 0.68 (17.3) | 0.11 (2.8) | 0.41 (10.4) | 0.25 (6.4) | 0.75 (19.1) | | |
| 54856BEUF | | | 5/16 | 1.63 (41.4) | 0.59 (15.0) | 0.11 (2.8) | 0.41 (10.4) | 0.38 (9.7) | 0.75 (19.1) | | |
| 54810BEUF | | | 3/8 | 2.57 (65.3) | 0.59 (15.0) | 0.11 (2.8) | 0.41 (10.4) | 0.38 (9.7) | 1.75 (44.5) | | |
| 54810BEUF0616 | | | 3/8 | 1.94 (49.3) | 0.59 (15.0) | 0.11 (2.8) | 0.41 (10.4) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54811BEUF | | | 1/2 | 3.00 (76.2) | 0.88 (22.4) | 0.11 (2.8) | 0.41 (10.4) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54809BEUF | | | #1 AWG | #2 AWG 150/24 175/24 #2 Weld | 1/4 | 1.19 (30.2) | 0.67 (17.0) | 0.11 (2.8) | 0.47 (11.9) | | |
| 54812BEUF | 1/4 | 1.40 (35.6) | | | 0.67 (17.0) | 0.11 (2.8) | 0.47 (11.9) | 0.25 (6.4) | 0.75 (19.1) | | |
| 54858BEUF | 5/16 | 1.63 (41.4) | | | 0.67 (17.0) | 0.11 (2.8) | 0.47 (11.9) | 0.63 (16.0) | 0.88 (22.4) | | |
| 54857BEUF0616 | 3/8 | 1.98 (50.3) | | | 0.67 (17.0) | 0.11 (2.8) | 0.47 (11.9) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54859BEUF | 1/0 AWG | 1 AWG 225/24 | 1/4 | 1.88 (47.8) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.38 (9.7) | 1.00 (25.4) | 42 | Pink |
| 54859BEUF0416PH | | | 1/4 | 1.88 (47.8) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54859BEUF | | | 1/4 | 1.19 (30.2) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.25 (6.4) | 0.38 (9.7) | | |
| 54813BEUF | | | 1/4 | 1.38 (35.1) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.25 (6.4) | 0.75 (19.1) | | |
| 54860BEUF | | | 5/16 | 1.63 (41.4) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.38 (9.7) | 0.88 (22.4) | | |
| 54860BEUF0616 | | | 3/8 | 1.98 (50.3) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54860BEUF0616PH | | | 3/8 | 1.93 (49.0) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54860BEUF0828 | | | 1/2 | 3.00 (76.0) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.63 (16.0) | 1.75 (44.5) | | |
| 54814BEUF | 2/0 AWG | 1/0 AWG 275/24 1/0 Weld | 1/4 | 1.25 (31.8) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.25 (6.4) | 0.63 (16.0) | 45 | Black |
| 54814BEUF0412 | | | 1/4 | 1.31 (33.3) | 0.81 (20.6) | 0.13 (3.3) | 0.57 (14.5) | 0.25 (6.4) | 0.75 (19.1) | | |
| 54862BEUF0616 | | | 3/8 | 1.81 (46.0) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54862BEUF0616PH | | | 3/8 | 1.81 (46.0) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54862BEUF | | | 1/2 | 2.81 (71.4) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.50 (12.7) | 1.75 (44.5) | | |

[‡] For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements. Call your Regional Sales Office for sizes not listed.
Tooling: pp. E4–E62
Die Selector Chart: pp. E35–E50

Peep Holes Available!
Add suffix -PH

Compression Connectors for Copper Conductors

Two-Hole Lugs — 45° Long Barrel Certified to 600 V and Recommended up to 35 kV[‡] (cont'd)



Material: High-Conductivity Wrought Copper
Finish: Electro-Tin Plated



| Cat. No. | Wire Size | | Bolt Size | Dimensions in. (mm) | | | | | | Die Code | Colour Code |
|-----------------|------------|--------------------------------------|-----------|---------------------|-------------|------------|-------------|-------------|-------------|----------|-------------|
| | Code Cable | Flex Cable Classes G, H, I, K, M | | B | C | D | E | F | G | | |
| 54815BEUF | 3/0 AWG | 2/0 AWG 325/24 2/0 Weld | 1/4 | 1.45 (36.8) | 0.92 (23.4) | 0.13 (3.3) | 0.63 (16.0) | 0.25 (6.4) | 0.75 (19.1) | 50 | Orange |
| 54816BEUF | | | 3/8 | 0.63 (16.0) | 0.92 (23.4) | 0.13 (3.3) | 0.63 (16.0) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54864BEUF | | | 1/2 | 3.00 (76.2) | 0.94 (23.9) | 0.13 (3.3) | 0.63 (16.0) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54817BEUF | 4/0 AWG | 3/0 AWG 450/24 3/0 Weld | 1/4 | 1.38 (35.1) | 1.03 (33.0) | 0.14 (3.6) | 0.70 (17.8) | 0.25 (6.4) | 0.75 (19.1) | 54 | Purple |
| 54818BEUF | | | 3/8 | 2.63 (66.8) | 1.03 (33.0) | 0.14 (3.6) | 0.70 (17.8) | 0.38 (9.7) | 1.75 (44.5) | | |
| 54818BEUF0616 | | | 3/8 | 1.81 (46.0) | 1.03 (33.0) | 0.14 (3.6) | 0.70 (17.8) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54818BEUF0616PH | | | 3/8 | 1.88 (47.8) | 1.03 (33.0) | 0.14 (3.6) | 0.70 (17.8) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54866BEUF | 250 kcmil | 4/0 AWG 550/24 4/0 Weld | 1/2 | 3.00 (76.2) | 1.03 (33.0) | 0.14 (3.6) | 0.70 (17.8) | 0.50 (12.7) | 1.75 (44.5) | 62 | Yellow |
| 54868BEUF | | | 3/8 | 1.93 (49.0) | 1.13 (28.7) | 0.14 (3.6) | 0.77 (19.6) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54868BEUF0616PH | | | 5/8 | 1.93 (49.0) | 1.13 (28.7) | 0.14 (3.6) | 0.77 (19.6) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54819BEUF | 300 kcmil | 250 kcmil 650/24 = 262 kcmil | 3/8 | 2.80 (71.1) | 1.25 (31.8) | 0.15 (3.8) | 0.85 (21.6) | 0.38 (9.7) | 1.00 (25.4) | 66 | White |
| 54870BEUF | | | 1/2 | 3.00 (76.2) | 1.25 (31.8) | 0.15 (3.8) | 0.85 (21.6) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54820BEUF | 350 kcmil | 650/24 262 kcmil | 1/4 | 1.93 (49.0) | 1.36 (34.5) | 0.18 (4.6) | 0.93 (23.6) | 0.25 (6.4) | 0.75 (19.1) | 71 | Red |
| 54872BEUF0616 | | | 3/8 | 1.93 (49.0) | 1.36 (34.5) | 0.18 (4.6) | 0.93 (23.6) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54872BEUF0616PH | | | 3/8 | 1.93 (49.0) | 1.36 (34.5) | 0.18 (4.6) | 0.93 (23.6) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54872BEUF | | | 1/2 | 3.00 (76.2) | 1.36 (34.5) | 0.18 (4.6) | 0.93 (23.6) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54822BEUF | 400 kcmil | 775/24 313 kcmil | 1/4 | 1.93 (49.0) | 1.41 (35.8) | 0.17 (4.3) | 0.96 (24.4) | 0.25 (6.4) | 0.75 (19.1) | 76 | Blue |
| 54821BEUF | | | 3/8 | 1.93 (49.0) | 1.41 (35.8) | 0.17 (4.3) | 0.96 (24.4) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54874BEUF | | | 1/2 | 3.00 (76.2) | 1.41 (35.8) | 0.17 (4.3) | 0.96 (24.4) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54823BEUF | 500 kcmil | 400 kcmil 925/24 350/373 kcmil | 1/4 | 1.93 (49.0) | 1.61 (40.9) | 0.22 (5.6) | 1.10 (27.9) | 0.25 (6.4) | 0.75 (19.1) | 87 | Brown |
| 54876BEUF0616 | | | 3/8 | 1.93 (49.0) | 1.61 (40.9) | 0.22 (5.6) | 1.10 (27.9) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54876BEUF0616PH | | | 3/8 | 1.93 (49.0) | 1.61 (40.9) | 0.22 (5.6) | 1.10 (27.9) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54876BEUF | | | 1/2 | 3.00 (76.2) | 1.61 (40.9) | 0.22 (5.6) | 1.10 (27.9) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54824BEUF | 600 kcmil | 1100/24 444 kcmil | 3/8 | 2.80 (71.1) | 1.75 (44.5) | 0.24 (6.1) | 1.20 (27.9) | 0.38 (9.7) | 1.00 (25.4) | 94 | Green |
| 54878BEUF | | | 1/2 | 3.00 (76.2) | 1.75 (44.5) | 0.24 (6.1) | 1.20 (27.9) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54880BEUF0616 | 750 kcmil | 1325/24 535 kcmil | 3/8 | 2.06 (52.3) | 1.94 (49.3) | 0.27 (6.9) | 1.33 (33.8) | 0.50 (12.7) | 1.00 (25.4) | 106 | Black |
| 54880BEUF0616PH | | | 3/8 | 2.06 (52.3) | 1.94 (49.3) | 0.27 (6.9) | 1.33 (33.8) | 0.50 (12.7) | 1.00 (25.4) | | |
| 54880BEUF | | | 1/2 | 3.00 (76.2) | 1.94 (49.3) | 0.27 (6.9) | 1.33 (33.8) | 0.50 (12.7) | 1.75 (44.5) | | |
| 58884BEUF | — | 1600/24, 646 kcmil | 1/2 | 3.00 (76.2) | 1.94 (49.3) | 0.27 (6.9) | 1.33 (33.8) | 0.50 (12.7) | 1.75 (44.5) | | |
| 58826BEUF | 900 kcmil | 1925/24 750/777 kcmil | 1/2 | 3.00 (76.2) | 2.18 (55.4) | 0.31 (7.9) | 1.50 (38.1) | 0.50 (12.7) | 1.75 (44.5) | 115 | Yellow |
| 54826BEUF | 1000 kcmil | — | 3/8 | 2.80 (71.1) | 2.27 (57.7) | 0.30 (7.6) | 1.55 (39.4) | 0.38 (9.7) | 1.00 (25.4) | 125 | — |
| 54882BEUF | | | 1/2 | 3.00 (76.2) | 2.27 (57.7) | 0.30 (7.6) | 1.55 (39.4) | 0.50 (12.7) | 1.75 (44.5) | | |

‡ For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements. Call your Regional Sales Office for sizes not listed.
Tooling: pp. E4–E62
Die Selector Chart: pp. E35–E50

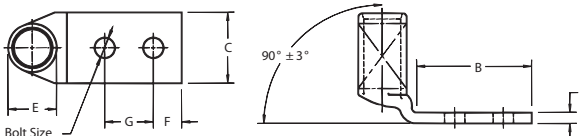


Peep Holes Available!
Add suffix -PH

Compression Connectors for Copper Conductors

Two-Hole Lugs — 90° Long Barrel Certified to 600 V and Recommended up to 35 kV[‡]

Material: High-Conductivity Wrought Copper
Finish: Electro-Tin Plated



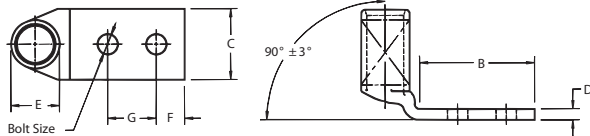
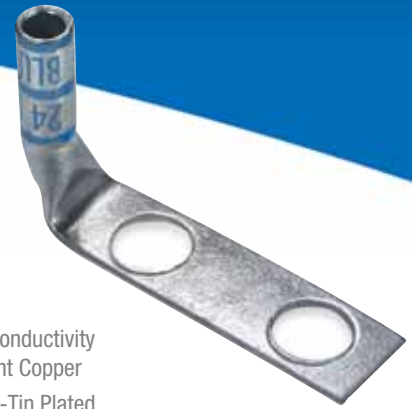
| Cat. No. | Wire Size | | Bolt Size | Dimensions in. (mm) | | | | | Die Code | Colour Code | |
|-----------------|------------|---------------------------------------|-------------|---------------------|-------------|-------------|-------------|-------------|-----------------------|-------------|-------|
| | Code Cable | Flex Cable Classes G, H, I, K, M | | B | C | D | E | F | | | G |
| 54850BEUB | #8 AWG | #8 AWG 37/24 #8 Weld | 1/4 | 1.89 (48.0) | 0.42 (10.7) | 0.07 (1.8) | 0.26 (6.6) | 0.21 (5.3) | 0.63-0.75 (16.0-19.1) | 21 | Red |
| 54851BEUB | | | 1/4 | 0.29 (32.8) | 0.47 (11.9) | 0.06 (1.5) | 0.26 (6.6) | 0.25 (6.4) | 0.75 (19.1) | | |
| 54851BEUB0616 | | | 3/8 | 2.10 (53.3) | 0.56 (14.2) | 0.06 (1.5) | 0.26 (6.6) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54852BEUB | #6 AWG | #6 AWG 61/24 #6 Weld | 1/4 | 1.28 (32.5) | 0.44 (11.2) | 0.08 (2.0) | 0.30 (7.6) | 0.25 (6.4) | 0.63 (16.0) | 24 | Blue |
| 54852BEUB0412 | | | 1/4 | 1.43 (36.3) | 0.43 (10.9) | 0.08 (2.0) | 0.30 (7.6) | 0.25 (6.4) | 0.75 (19.1) | | |
| 54852BEUB0616 | | | 3/8 | 1.93 (49.0) | 0.59 (15.0) | 0.06 (1.5) | 0.30 (7.6) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54852BEUB0828 | #4 AWG | #5 AWG 91/24 #4 Weld | 1/2 | 3.00 (76.2) | 0.88 (22.4) | 0.11 (2.8) | 0.30 (7.6) | 0.50 (12.7) | 1.75 (44.5) | 29 | Grey |
| 54854BEUB | | | 1/4 | 1.19 (30.2) | 0.52 (13.2) | 0.10 (2.5) | 0.37 (9.4) | 0.25 (6.4) | 0.63 (16.0) | | |
| 54854BEUB0412 | | | 1/4 | 1.31 (33.3) | 0.56 (14.2) | 0.09 (2.3) | 0.37 (9.4) | 0.25 (6.4) | 0.75 (19.1) | | |
| 54854BEUB0416 | #2-3 AWG | #3 AWG 125/24 | 1/4 | 1.88 (47.8) | 0.58 (14.7) | 0.09 (2.3) | 0.37 (9.4) | 0.38 (9.7) | 1.00 (25.4) | 33 | Brown |
| 54854BEUB0516 | | | 5/16 | 1.75 (44.5) | 0.56 (14.2) | 0.10 (2.5) | 0.37 (9.4) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54854BEUB0616 | | | 3/8 | 1.98 (50.3) | 0.59 (15.0) | 0.09 (2.3) | 0.37 (9.4) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54854BEUB0828 | #1 AWG | #2 AWG 150/24 175/24 #2 Weld | 1/2 | 3.00 (76.2) | 0.88 (22.4) | 0.09 (2.3) | 0.37 (9.4) | 0.50 (12.7) | 1.75 (44.5) | 37 | Green |
| 54858BEUB0416 | | | 1/4 | 1.88 (47.8) | 0.67 (17.0) | 0.09 (2.3) | 0.41 (10.4) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54855BEUB | | | 1/4 | 1.28 (32.5) | 0.59 (15.0) | 0.11 (2.8) | 0.41 (10.4) | 0.25 (6.4) | 0.63 (16.0) | | |
| 54855BEUB0412 | 1/0 AWG | 1 AWG 225/24 | 1/4 | 1.35 (34.3) | 0.68 (17.3) | 0.11 (2.8) | 0.41 (10.4) | 0.25 (6.4) | 0.75 (19.1) | 42 | Pink |
| 54856BEUB | | | 5/16 | 1.63 (41.4) | 0.59 (15.0) | 0.11 (2.8) | 0.41 (10.4) | 0.38 (9.7) | 0.75 (19.1) | | |
| 54810BEUB | | | 3/8 | 2.57 (65.3) | 0.59 (15.0) | 0.11 (2.8) | 0.41 (10.4) | 0.38 (9.7) | 1.75 (44.5) | | |
| 54810BEUB0616 | 2/0 AWG | 1/0 AWG 275/24 1/0 Weld | 3/8 | 1.94 (49.3) | 0.59 (15.0) | 0.11 (2.8) | 0.41 (10.4) | 0.38 (9.7) | 1.00 (25.4) | 45 | Black |
| 54811BEUB | | | 1/2 | 3.00 (76.2) | 0.88 (22.4) | 0.11 (2.8) | 0.41 (10.4) | 0.50 (12.7) | 1.75 (19.1) | | |
| 54809BEUB | | | 1/4 | 1.19 (30.2) | 0.67 (17.0) | 0.11 (2.8) | 0.47 (11.9) | 0.25 (6.4) | 0.63 (16.0) | | |
| 54812BEUB | 1/0 AWG | 1 AWG 225/24 | 1/4 | 1.40 (35.6) | 0.67 (17.0) | 0.11 (2.8) | 0.47 (11.9) | 0.25 (6.4) | 0.75 (19.1) | 42 | Pink |
| 54858BEUB | | | 5/16 | 1.63 (41.4) | 0.67 (17.0) | 0.11 (2.8) | 0.47 (11.9) | 0.38 (9.7) | 0.88 (22.4) | | |
| 54857BEUB | | | 3/8 | 1.98 (50.3) | 0.67 (17.0) | 0.11 (2.8) | 0.47 (11.9) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54857BEUB | 2/0 AWG | 1/0 AWG 275/24 1/0 Weld | 1/2 | 3.00 (76.2) | 0.88 (22.4) | 0.11 (2.8) | 0.47 (11.9) | 0.50 (12.7) | 1.75 (44.5) | 45 | Black |
| 54859BEUB0416 | | | 1/4 | 1.88 (47.8) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54859BEUB0416PH | | | 1/4 | 1.88 (47.8) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54859BEUB | 1/0 AWG | 1 AWG 225/24 | 1/4 | 1.19 (30.2) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.25 (6.4) | 0.63 (16.0) | 42 | Pink |
| 54813BEUB | | | 1/4 | 1.38 (35.1) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.25 (6.4) | 0.75 (19.1) | | |
| 54860BEUB | | | 5/16 | 1.63 (41.4) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.38 (9.7) | 0.88 (22.4) | | |
| 54860BEUB0616 | 2/0 AWG | 1/0 AWG 275/24 1/0 Weld | 3/8 | 1.98 (50.3) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.38 (9.7) | 1.00 (25.4) | 45 | Black |
| 54860BEUB0828 | | | 1/2 | 3.00 (76.2) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.38 (9.7) | 1.75 (44.5) | | |
| 54814BEUB | | | 1/4 | 1.25 (31.8) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.25 (6.4) | 0.63 (16.0) | | |
| 54814BEUB0412 | 2/0 AWG | 1/0 AWG 275/24 1/0 Weld | 1/4 | 1.31 (33.3) | 0.81 (20.6) | 0.13 (3.3) | 0.57 (14.5) | 0.25 (6.4) | 0.75 (19.1) | 45 | Black |
| 54862BEUB0616 | | | 3/8 | 1.81 (46.0) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54862BEUB0616PH | | | 3/8 | 1.81 (46.0) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54862BEUB | 1/2 | 2.81 (71.4) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.50 (12.7) | 0.75 (19.1) | | | | |

[‡] For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements. Call your Regional Sales Office for sizes not listed.
Tooling: pp. E4-E62
Die Selector Chart: pp. E35-E50

Compression Connectors for Copper Conductors

Two-Hole Lugs — 90° Long Barrel Certified to 600 V and Recommended up to 35 kV[‡] (cont'd)

Peep Holes Available!
Add suffix -PH



Material: High-Conductivity Wrought Copper

Finish: Electro-Tin Plated



| Cat. No. | Wire Size | | Bolt Size | Dimensions in. (mm) | | | | | | Die Code | Colour Code |
|-----------------|------------|--------------------------------------|-----------|---------------------|-------------|------------|-------------|-------------|-------------|----------|-------------|
| | Code Cable | Flex Cable Classes G, H, I, K, M | | B | C | D | E | F | G | | |
| 54815BEUB | 3/0 AWG | 2/0 AWG 325/24 2/0 Weld | 1/4 | 1.45 (36.8) | 0.92 (23.4) | 0.13 (3.3) | 0.63 (16.0) | 0.25 (6.4) | 0.75 (19.1) | 50 | Orange |
| 54816BEUB | | | 3/8 | 0.63 (16.0) | 0.92 (23.4) | 0.13 (3.3) | 0.63 (16.0) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54864BEUB | | | 1/2 | 3.00 (76.2) | 0.94 (23.9) | 0.13 (3.3) | 0.63 (16.0) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54817BEUB | 4/0 AWG | 3/0 AWG 450/24 3/0 Weld | 1/4 | 1.38 (35.1) | 1.03 (33.0) | 0.14 (3.6) | 0.70 (17.8) | 0.25 (6.4) | 0.75 (19.1) | 54 | Purple |
| 54818BEUB | | | 3/8 | 2.63 (66.8) | 1.03 (33.0) | 0.14 (3.6) | 0.70 (17.8) | 0.38 (9.7) | 1.75 (44.5) | | |
| 54818BEUB0616 | | | 3/8 | 1.81 (46.0) | 1.03 (33.0) | 0.14 (3.6) | 0.70 (17.8) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54818BEUB0616PH | | | 3/8 | 1.88 (47.8) | 1.03 (33.0) | 0.14 (3.6) | 0.70 (17.8) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54866BEUB | 250 kcmil | 4/0 AWG 550/24 4/0 Weld | 1/2 | 3.00 (76.2) | 1.03 (33.0) | 0.14 (3.6) | 0.70 (17.8) | 0.50 (12.7) | 1.75 (44.5) | 62 | Yellow |
| 54868BEUB | | | 3/8 | 1.93 (49.0) | 1.13 (28.7) | 0.14 (3.6) | 0.77 (19.6) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54868BEUB0616PH | | | 3/8 | 1.93 (49.0) | 1.13 (28.7) | 0.14 (3.6) | 0.77 (19.6) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54819BEUB | 300 kcmil | 250 kcmil 650/24 = 262 kcmil | 3/8 | 2.80 (71.1) | 1.25 (31.8) | 0.15 (3.8) | 0.85 (21.6) | 0.38 (9.7) | 1.00 (25.4) | 66 | White |
| 54870BEUB | | | 2 | 3.00 (76.2) | 1.25 (31.8) | 0.15 (3.8) | 0.85 (21.6) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54820BEUB | 350 kcmil | 650/24 262 kcmil | 1/4 | 1.93 (49.0) | 1.36 (34.5) | 0.18 (4.6) | 0.93 (23.6) | 0.25 (6.4) | 0.75 (19.1) | 71 | Red |
| 54872BEUB0616 | | | 3/8 | 1.93 (49.0) | 1.36 (34.5) | 0.18 (4.6) | 0.93 (23.6) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54872BEUB0616PH | | | 3/8 | 1.93 (49.0) | 1.36 (34.5) | 0.18 (4.6) | 0.93 (23.6) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54872BEUB | | | 1/2 | 3.00 (76.2) | 1.36 (34.5) | 0.18 (4.6) | 0.93 (23.6) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54822BEUB | 400 kcmil | 775/24 313 kcmil | 1/4 | 1.93 (49.0) | 1.41 (35.8) | 0.17 (4.3) | 0.96 (24.4) | 0.25 (6.4) | 0.75 (19.1) | 76 | Blue |
| 54821BEUB | | | 3/8 | 1.93 (49.0) | 1.41 (35.8) | 0.17 (4.3) | 0.96 (24.4) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54874BEUB | | | 1/2 | 3.00 (76.2) | 1.41 (35.8) | 0.17 (4.3) | 0.96 (24.4) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54823BEUB | 500 kcmil | 400 kcmil 925/24 350/373 kcmil | 1/4 | 1.94 (49.3) | 1.61 (40.9) | 0.22 (5.6) | 1.10 (27.9) | 0.25 (6.4) | 0.75 (19.1) | 87 | Brown |
| 54823BEUB0616 | | | 3/8 | 1.93 (49.0) | 1.61 (40.9) | 0.22 (5.6) | 1.10 (27.9) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54876BEUB0616PH | | | 3/8 | 1.93 (49.0) | 1.61 (40.9) | 0.22 (5.6) | 1.10 (27.9) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54876BEUB | | | 1/2 | 3.00 (76.2) | 1.61 (40.9) | 0.22 (5.6) | 1.10 (27.9) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54824BEUB | 600 kcmil | 1110/24, 444 kcmil | 3/8 | 2.80 (71.1) | 1.75 (44.5) | 0.24 (6.1) | 1.20 (30.5) | 0.38 (9.7) | 1.00 (25.4) | 94 | Green |
| 54878BEUB | | | 1/2 | 3.00 (76.2) | 1.75 (44.5) | 0.24 (6.1) | 1.20 (30.5) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54880BEUB0616 | 750 kcmil | 1325/24 535 kcmil | 3/8 | 2.06 (52.3) | 1.94 (6.9) | 0.27 (6.9) | 1.33 (33.8) | 0.50 (12.7) | 1.00 (25.4) | 106 | Black |
| 54880BEUB0616PH | | | 3/8 | 2.06 (52.3) | 1.94 (6.9) | 0.27 (6.9) | 1.33 (33.8) | 0.50 (12.7) | 1.00 (25.4) | | |
| 54880BEUB | | | 1/2 | 3.00 (76.2) | 1.94 (6.9) | 0.27 (6.9) | 1.33 (33.8) | 0.50 (12.7) | 1.75 (44.5) | | |
| 58884BEUB | — | 1600/24, 646 kcmil | 1/2 | 3.00 (76.2) | 1.94 (6.9) | 0.27 (6.9) | 1.33 (33.8) | 0.50 (12.7) | 1.75 (44.5) | | |
| 58826BEUB | 900 kcmil | 1925/24 750/777 kcmil | 1/2 | 3.00 (76.2) | 2.18 (7.9) | 0.31 (7.9) | 1.50 (38.1) | 0.50 (12.7) | 1.75 (44.5) | 115 | Yellow |
| 54826BEUB | 1000 kcmil | — | 3/8 | 2.80 (71.1) | 2.27 (7.6) | 0.30 (7.6) | 1.55 (39.4) | 0.38 (9.7) | 1.00 (25.4) | 125 | — |
| 54882BEUB | | | 1/2 | 3.00 (76.2) | 2.27 (7.6) | 0.30 (7.6) | 1.55 (39.4) | 0.50 (12.7) | 1.75 (44.5) | | |

‡ For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements. Call your Regional Sales Office for sizes not listed.
Tooling: pp. E4–E62
Die Selector Chart: pp. E35–E50



Compression Connectors for Copper Conductors

Narrow-Tongue Lugs

Ideal for Confined-Space Terminations!

To meet increasing demand for smaller components in today's panels and switchgear, Thomas & Betts has expanded its line of Color-Keyed® Narrow-Tongue Lugs to include two-hole and angled lugs. These improved lugs have been precision engineered for consistency in width the entire length of the connector, from barrel to tongue, ensuring a reliable fit in confined-space applications.

- Narrow-width tongue and barrel, engineered for dimensional consistency the entire length of the lug
- Perfect for connections in limited-space applications
- High-conductivity copper construction
- Electrolytically tin-plated finish resists corrosion
- T&B Color-Keyed® marking system makes connections and verification easy
- Double-chamfered barrel eases insertion of wire

Technical specifications

- Certified Rating: 600 V
- Recommended Rating: Up to 35 kV‡
- Material: 99% pure high-conductivity seamless wrought copper
- Finish: Electro-Tin Plated
- Standards: UL Listed, CSA Certified and RoHS compliant



Ideal for use in:

- Panels
- Switchgear
- Molded-case circuit breakers
- Motor starters
- Other limited-space OEM applications

NOW AVAILABLE IN:

- One-hole
- Two-hole
- Straight
- 45° Angled
- 90° Angled

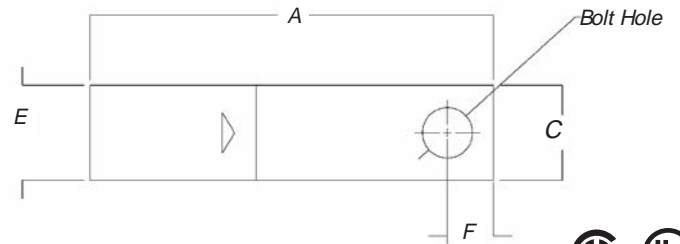
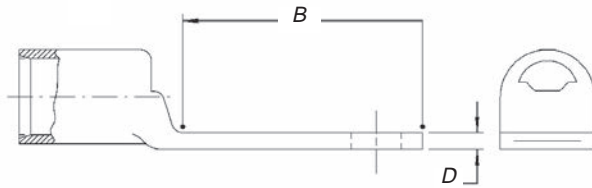


‡ For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements.

Compression Connectors for Copper Conductors

Narrow-Tongue Copper Lugs

One-Hole, Standard Barrel Certified to 600 V and Recommended up to 35 kV[‡]



| Cat. No. | Wire Size | | Bolt Size | Dimensions in. (mm) | | | | | | Die Code | Colour Code |
|-----------|------------|----------------------------------|-----------|---------------------|-------------|-------------|------------|-------------|-------------|----------|-------------|
| | Code Cable | Flex Cable Classes G, H, I, K, M | | A | B | C | D | E | F | | |
| 54138NT | #4 AWG | #5 AWG – 91/24 | #10 | 1.31 (33.3) | 0.56 (14.2) | 0.37 (9.4) | 0.10 (2.5) | 0.37 (9.4) | 0.25 (6.4) | 29 | Grey |
| 54107NT | #2-3 AWG | #3 AWG – 125/24 | 1/4 | 1.50 (38.1) | 0.65 (16.5) | 0.41 (10.4) | 0.07 (1.8) | 0.41 (10.4) | 0.25 (6.4) | 33 | Brown |
| 54108NT | #1 AWG | #2 AWG, 150, 175/24 | 1/4 | 1.50 (38.1) | 0.65 (16.5) | 0.47 (11.9) | 0.11 (2.8) | 0.47 (11.9) | 0.25 (6.4) | 37 | Green |
| 54152NT | 1/0 AWG | #1 AWG – 225/24 | 1/4 | 1.60 (40.6) | 0.65 (16.5) | 0.52 (13.2) | 0.13 (3.3) | 0.52 (13.2) | 0.25 (6.4) | 42 | Pink |
| 54157NT | 2/0 AWG | 1/0 AWG – 275/24 | 1/4 | 1.60 (40.6) | 0.65 (16.5) | 0.57 (14.5) | 0.13 (3.3) | 0.57 (14.5) | 0.25 (6.4) | 45 | Black |
| 54162NT | 3/0 AWG | 2/0 AWG – 325/24 | 1/4 | 1.68 (42.7) | 0.65 (16.5) | 0.63 (16.0) | 0.13 (3.3) | 0.63 (16.0) | 0.25 (6.4) | 50 | Orange |
| 54167NT | 4/0 AWG | 3/0 AWG – 450/24 | 1/4 | 1.90 (48.3) | 0.65 (16.5) | 0.70 (17.8) | 0.14 (3.6) | 0.70 (17.8) | 0.25 (6.4) | 54 | Purple |
| 54172NT | 250 kcmil | 4/0 AWG – 550/24 | 1/4 | 2.00 (50.8) | 0.65 (16.5) | 0.77 (19.6) | 0.14 (3.6) | 0.77 (19.6) | 0.25 (6.4) | 62 | Yellow |
| 54178NT04 | 300 kcmil | 650/24 | 1/4 | 2.33 (59.2) | 0.88 (22.4) | 0.85 (21.6) | 0.15 (3.8) | 0.85 (21.6) | 0.25 (6.4) | 66 | White |
| 54115NT | 350 kcmil | 650/24 | 1/2 | 2.75 (69.9) | 1.25 (31.8) | 0.93 (23.6) | 0.18 (4.6) | 0.93 (23.6) | 0.50 (12.7) | 71H | Red |
| 54115NT06 | | 650/24 | 3/8 | 2.50 (63.5) | 1.00 (25.4) | 0.93 (23.6) | 0.18 (4.6) | 0.93 (23.6) | 0.38 (16.0) | | |
| 54118NT | 500 kcmil | 925/24 | 1/2 | 3.25 (82.6) | 1.25 (31.8) | 1.10 (27.9) | 0.22 (5.6) | 1.10 (27.9) | 0.50 (12.7) | 87 | Brown |
| 54123NT08 | 750 kcmil | 1325/24 | 1/2 | 3.48 (88.4) | 1.25 (31.8) | 1.33 (33.8) | 0.27 (6.9) | 1.33 (33.8) | 0.50 (12.7) | 106H | Black |
| 54123NT | | 1325/24 | 5/8 | 3.80 (96.5) | 1.58 (40.1) | 1.33 (33.8) | 0.27 (6.9) | 1.33 (33.8) | 0.63 (16.0) | | |

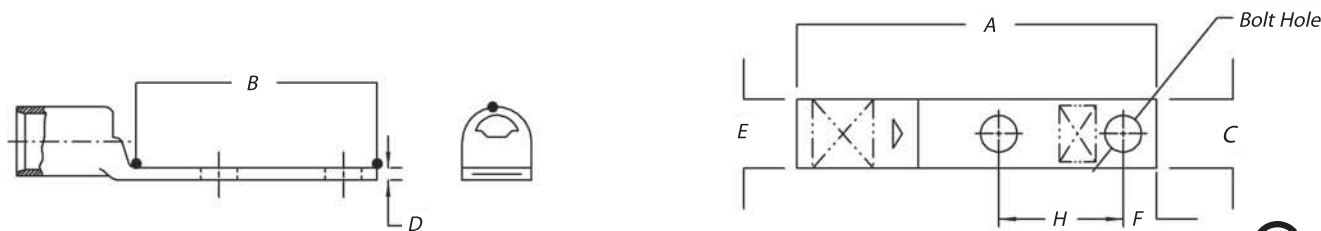
‡ For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements.

| Cat. No. | Type | Cat. No. Example: |
|--|---|--|
| 54108NT_____* | _____ = To order 45° and 90° Angle Lugs UF = 45° UB = 90° | 54108NTUB is a 90° angled one-hole narrow-tongue lug for #1 AWG. |
| Other options include silver plating (add SP to catalogue number), blind end (add BE to catalogue number) and peep holes (add PH to catalogue number). | | |



Compression Connectors for Copper Conductors

Narrow-Tongue Copper Lugs
Two-Hole, Standard Barrel Certified to 600 V
and Recommended up to 35 kV‡



| Cat. No. | Wire Size | | Bolt Size | Dimensions in. (mm) | | | | | | | Die Code | Colour Code |
|-------------|------------|----------------------------------|-----------|---------------------|-------------|-------------|------------|-------------|-------------|-------------|----------|-------------|
| | Code Cable | Flex Cable Classes G, H, I, K, M | | A | B | C | D | E | F | H | | |
| 54206NT0310 | #4 AWG | # 5 AWG – 91/24 | #10 | 1.88 (47.8) | 1.13 (28.7) | 0.37 (9.4) | 0.10 (2.5) | 0.37 (9.4) | 0.25 (6.4) | 0.63 (16.0) | 29 | Grey |
| 54207NT | #2-3 AWG | #3 AWG – 125/24 | 1/4 | 2.04 (61.0) | 1.19 (30.2) | 0.41 (10.4) | 0.11 (2.8) | 0.41 (10.4) | 0.25 (6.4) | 0.63 (16.0) | 33 | Brown |
| 54207NT0412 | | | 1/4 | 2.16 (54.9) | 1.31 (33.3) | 0.41 (10.4) | 0.11 (2.8) | 0.41 (10.4) | 0.25 (6.4) | 0.75 (19.1) | | |
| 54207NT0416 | | | 1/4 | 2.41 (61.2) | 1.56 (39.6) | 0.41 (10.4) | 0.11 (2.8) | 0.41 (10.4) | 0.25 (6.4) | 1.00 (25.4) | | |
| 54208NT | #1 AWG | #2 AWG – 150, 175/24 | 1/4 | 2.40 (61.0) | 1.19 (30.2) | 0.47 (11.9) | 0.11 (2.8) | 0.47 (11.9) | 0.25 (6.4) | 0.63 (16.0) | 37 | Green |
| 54208NT0516 | | | 5/16 | 2.63 (66.8) | 1.78 (45.2) | 0.47 (11.9) | 0.11 (2.8) | 0.47 (11.9) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54255NT | 1/0 AWG | #1 AWG – 225/24 | 5/16 | 2.61 (66.3) | 1.66 (42.2) | 0.52 (13.2) | 0.14 (3.6) | 0.52 (13.2) | 0.38 (9.7) | 0.88 (22.4) | 42 | Pink |
| 54261NT | 2/0 AWG | 1/0 AWG – 275/24 | 5/16 | 2.66 (67.6) | 1.66 (42.2) | 0.57 (14.5) | 0.14 (3.6) | 0.52 (13.2) | 0.38 (9.7) | 0.88 (22.4) | 45 | Black |
| 54210NT | | | 3/8 | 2.82 (71.6) | 1.82 (46.2) | 0.57 (14.5) | 0.14 (3.6) | 0.52 (13.2) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54266NT | 3/0 AWG | 2/0 AWG – 325/24 | 5/16 | 2.88 (73.2) | 1.78 (45.2) | 0.63 (16.0) | 0.13 (3.3) | 0.63 (16.0) | 0.38 (9.7) | 1.00 (25.4) | 50 | Orange |
| 54211NT | | | 3/8 | 2.92 (74.2) | 1.82 (46.2) | 0.63 (16.0) | 0.13 (3.3) | 0.63 (16.0) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54212NT | 4/0 AWG | 3/0 AWG – 450/24 | 3/8 | 3.07 (94.0) | 1.82 (46.2) | 0.70 (17.8) | 0.14 (3.6) | 0.70 (17.8) | 0.38 (9.7) | 1.00 (25.4) | 54 | Purple |
| 54213NT | 250 kcmil | 4/0 AWG – 550/24 | 3/8 | 3.17 (80.5) | 1.82 (46.2) | 0.77 (19.6) | 0.14 (3.6) | 0.77 (19.6) | 0.38 (9.7) | 1.00 (25.4) | 62 | Yellow |
| 54275NT | | | 1/2 | 4.16 (105.7) | 2.81 (71.4) | 0.77 (19.6) | 0.14 (3.6) | 0.77 (19.6) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54282NT | 350 kcmil | 650/24 | 1/2 | 4.36 (110.7) | 2.81 (71.4) | 0.93 (23.6) | 0.18 (4.6) | 0.93 (23.6) | 0.50 (12.7) | 1.75 (44.5) | 71H | Red |
| 54218NT | 500 kcmil | 925/24 | 3/8 | 4.57 (116.1) | 2.57 (65.3) | 1.10 (27.9) | 0.22 (5.6) | 1.10 (27.9) | 0.38 (9.7) | 1.75 (44.5) | 87 | Brown |
| 54286NT | | | 1/2 | 4.81 (122.2) | 2.81 (71.4) | 1.10 (27.9) | 0.22 (5.6) | 1.10 (27.9) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54878BENTPH | 600 kcmil | 1100/24 | 1/2 | 5.83 (148.1) | 3.00 (76.2) | 1.20 (30.5) | 0.24 (6.1) | 1.20 (30.5) | 0.50 (12.7) | 1.75 (44.5) | 94 | Green |
| 54223NT0628 | 750 kcmil | 1325/24 | 3/8 | 4.79 (121.7) | 2.57 (65.3) | 1.33 (33.8) | 0.27 (6.9) | 1.33 (33.8) | 0.38 (9.7) | 1.75 (44.5) | 106H | Black |
| 54223NT | | | 1/2 | 5.04 (137.2) | 2.81 (71.4) | 1.33 (33.8) | 0.27 (6.9) | 1.33 (33.8) | 0.50 (12.7) | 1.75 (44.5) | | |
| 58884BENTPH | – | 1600/24 | 1/2 | 6.16 (156.5) | 3.00 (76.2) | 1.33 (33.8) | 0.24 (6.1) | 1.20 (30.5) | 0.50 (12.7) | 1.75 (44.5) | | |

Catalogue numbers 54878BENTPH and 58884BENTPH include peep holes.

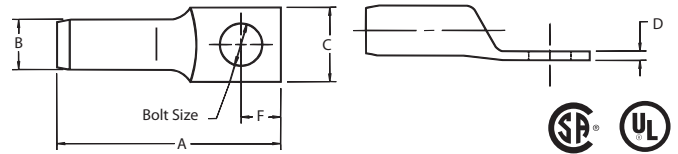
‡ For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements.

| Cat. No. | Type | Cat. No. Example: |
|--|---|--|
| 54212NT _____ * | _____ = To order 45° and 90° Angle Lugs UF = 45° UB = 90° | 54212NTUB is a 45° angled one-hole narrow-tongue lug for #1 AWG. |
| Other options include silver plating (add SP to catalogue number), blind end (add BE to catalogue number) and peep holes (add PH to catalogue number). | | |

Compression Connectors for Copper Conductors

Copper One-Hole Lugs — Certified to 600 V and Recommended up to 15 kV

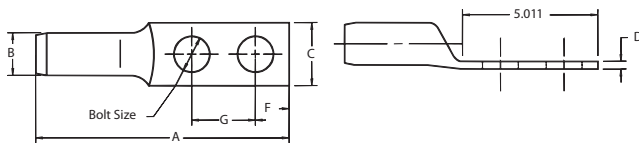
These Color-Keyed® Connectors are recommended for up to 15 kV applications. Installed with standard T&B 14 and 15-Tons compression tools with special rounding dies, the compression forms the connector and conductor into a solid mass to provide an optimum electrical bond between connector and conductor. The rounding die-overlapped compressions provide a smooth round surface. This combined with the tapered barrel ends, addresses the control for potentially damaging electrical stresses of high voltages.



| Cat. No. | Cable Size** | | Dimensions in. (mm) | | | | | | Installing Tools 14 and 15 Tons* | | |
|----------|--------------|-----------------|---------------------|-------------|-------------|------------|-------------|-------------|----------------------------------|--------------------|-------------|
| | Code Cable | Stud Size (in.) | A | B | C | D | E | F | Die Set Cat. No. | Strip Length (in.) | Colour Code |
| 54440 | #4 AWG | 3/8 | 2.08 (71.1) | 0.81 (20.6) | 0.58 (14.7) | 0.08 (2.0) | 0.38 (9.7) | 0.50 (12.7) | 15CA29R | 1-7/16 | Grey |
| 54443 | #2 AWG | | 2.25 (57.2) | 0.81 (20.6) | 0.66 (16.8) | 0.09 (2.3) | 0.38 (9.7) | 0.50 (12.7) | 15CA33R | 1-7/16 | Brown |
| 54448 | #1 AWG | | 2.36 (59.9) | 0.81 (20.6) | 0.69 (17.5) | 0.10 (2.5) | 0.38 (9.7) | 0.50 (12.7) | 15CA37R | 1-18/32 | Green |
| 54409 | 1/0 AWG | | 2.38 (60.5) | 0.81 (20.6) | 0.75 (19.1) | 0.12 (3.0) | 0.38 (9.7) | 0.50 (12.7) | 15CA42R | 1-5/8 | Pink |
| 54460 | 2/0 AWG | 1/2 | 2.73 (69.3) | 1.06 (40.6) | 0.83 (21.1) | 0.12 (3.0) | 0.50 (12.7) | 0.50 (12.7) | 15CA45R | 1-5/8 | Black |
| 54465 | 3/0 AWG | | 2.81 (71.4) | 1.06 (40.6) | 0.94 (23.9) | 0.12 (3.0) | 0.50 (12.7) | 0.50 (12.7) | 15CA49R | 1-3/4 | Orange |
| 54470 | 4/0 AWG | | 2.78 (70.6) | 1.06 (40.6) | 1.00 (25.4) | 0.13 (3.3) | 0.50 (12.7) | 0.50 (12.7) | 15CA54R | 1-13/16 | Purple |
| 54413 | 250 kcmil | | 3.19 (81.0) | 1.06 (40.6) | 1.07 (43.2) | 0.14 (3.6) | 0.50 (12.7) | 0.50 (12.7) | 15CA60R | 2-1/32 | Ruby |

**Cable size: Concentric (code) and compact strandings
 *Cat. No. TB15500 Die Adaptor required for TBM151
 Tooling: pp. E4-E62
 Die Selector Chart: pp. E35-E50

Copper Two-Hole Lugs — Certified to 600 V and Recommended up to 15 kV Applications



| Cat. No. | Cable Size** | | Dimensions in. (mm) | | | | | | | Installing Tools 14 and 15 Tons* | | |
|----------|--------------|-----------------|---------------------|--------------|-------------|-------------|-------------|-------------|-------------|----------------------------------|--------------------|-------------|
| | Code Cable | Stud Size (in.) | A | B | C | D | E | F | G | Die Set Cat. No. | Strip Length (in.) | Colour Code |
| 54475 | 1/0 AWG | 3/8 | 3.56 (90.4) | 0.53 (13.5) | 0.77 (19.6) | 0.12 (3.0) | 0.38 (9.7) | 0.38 (9.7) | 1.00 (25.4) | 15CA42R | 1-5/8 | Pink |
| 54476 | 2/0 AWG | | 4.67 (118.6) | 0.56 (14.2) | 0.83 (21.1) | 0.12 (3.0) | 0.50 (12.7) | 0.50 (12.7) | 1.75 (44.5) | 15CA45R | 1-5/8 | Black |
| 54478 | 3/0 AWG | | 4.75 (120.7) | 0.63 (16.0) | 0.94 (23.9) | 0.12 (3.0) | 0.50 (12.7) | 0.50 (12.7) | 1.75 (44.5) | 15CA49R | 1-3/4 | Orange |
| 54479 | 4/0 AWG | | 4.64 (117.9) | 0.69 (17.3) | 1.00 (25.4) | 0.13 (3.3) | 0.50 (12.7) | 0.50 (12.7) | 1.75 (44.5) | 15CA54R | 1-13/16 | Purple |
| 54480 | 250 kcmil | 1/2 | 5.17 (131.3) | 0.75 (19.1) | 1.08 (45.7) | 0.14 (3.6) | 0.50 (12.7) | 0.50 (12.7) | 1.75 (44.5) | 15CA60R | 2-1/32 | Ruby |
| 54481 | 300 kcmil | | 5.16 (131.1) | 0.81 (20.6) | 1.19 (30.2) | 0.16 (4.1) | 0.50 (12.7) | 0.50 (12.7) | 1.75 (44.5) | 15CA66R | 23/32 | White |
| 54482 | 350 kcmil | | 5.35 (135.9) | 0.88 (22.1) | 1.29 (32.8) | 0.19 (4.8) | 0.50 (12.7) | 0.50 (12.7) | 1.75 (44.5) | 15CA71R | 2-13/32 | Red |
| 54483 | 400 kcmil | | 5.35 (135.9) | 0.92 (23.4) | 1.36 (34.5) | 0.18 (4.6) | 0.50 (12.7) | 0.50 (12.7) | 1.75 (44.5) | 15CA76R | 2-13/32 | Blue |
| 54484 | 500 kcmil | 1/2 | 5.60 (142.2) | 1.06 (40.6) | 1.54 (39.1) | 0.23 (5.8) | 0.50 (12.7) | 0.50 (12.7) | 1.75 (44.5) | 15CA87R | 2-13/32 | Brown |
| 54485*** | 600 kcmil | | 5.83 (148.1) | 1.17 (29.7) | 1.70 (43.2) | 0.24 (6.1) | 0.50 (12.7) | 0.50 (12.7) | 1.75 (44.5) | 15CA84R | 2-1/16 | Green |
| 54487*** | 750 kcmil | | 1/21 | 6.13 (155.7) | 1.11 (27.9) | 1.89 (48.0) | 0.27 (6.9) | 0.50 (12.7) | 0.50 (12.7) | 1.75 (44.5) | 15CA106R | 2-3/4 |
| 54490 | 1000 kcmil | 1/2 | 6.60 (167.6) | 1.50 (38.1) | 2.18 (55.4) | 0.31 (7.9) | 0.50 (12.7) | 0.50 (12.7) | 1.75 (44.5) | 15C125R• | 2-29/32 | - |

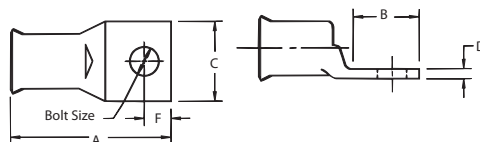
• No adaptor required – TBM151 only.
 ** Cable Size: Concentric (code) and compact strandings.
 14-Tons Tool UL Listing limited to 1/0 AWG and 500 kcmil cable sizes.
 *** 15-Tons Tool only for 500 kcmil and over.

* Cat. No. TB15500 Die Adaptor required for TBM151.
 Tooling: pp. E4-E62
 Die Selector Chart: pp. E35-E50



Compression Connectors for Copper Conductors

Bell-Ended Lugs — Standard Barrel Certified to 600 V and Recommended up to 35 kV[‡]



| Cat. No. | Wire Size* | | | Classes | | | | | Bolt Size (in.) | Dimensions in. (mm) | | | | | Die Code | Colour Code |
|------------|------------|-------|-------------|---------|-----|-----|-----|-----|-----------------|---------------------|-------------|-------------|------------|-------------|----------|-------------|
| | Cable Code | Navy | Flex | G | H | I | K | M | | A | B | C | D | F | | |
| 54104BS | 8 | 23 | 37/24 | 8 | 8 | — | 8 | 8 | #10 | 1.06 (40.6) | 0.46 (11.7) | 0.40 (10.2) | 0.07 (1.8) | 0.21 (5.3) | 21 | Red |
| 54105BS | 6 | 30 | 61/24 | 5 | 5 | 5 | 5 | 5 | 1/4 | 1.18 (30.0) | 0.56 (14.2) | 0.43 (10.9) | 0.10 (2.5) | 0.25 (6.4) | 24 | Blue |
| 54106BS | 4 | 40-50 | 91/24 | 5 | 5 | 5 | 5 | 5 | 1/4 | 1.28 (32.5) | 0.56 (14.2) | 0.56 (14.2) | 0.10 (2.5) | 0.25 (6.4) | 29 | Grey |
| 54139BS | 3 and 4 | 40-50 | 91/24 | 4 | 4 | 4 | 4 | 4 | 5/16 | 1.43 (36.3) | 0.78 (19.8) | 0.59 (19.8) | 0.07 (1.8) | 0.34 (8.6) | | |
| 54142BS | 2 | 60 | 125/24 | 3 | 3 | 3 | 3 | 3 | 5/16 | 1.53 (38.9) | 0.71 (18.0) | 0.65 (16.5) | 0.07 (1.8) | 0.34 (8.6) | 33 | Brown |
| 54147BS | 1 | 75 | 150, 175/24 | 2 | 2 | 2 | 2 | 2 | 5/16 | 1.91 (48.5) | 0.71 (18.0) | 0.67 (17.0) | 0.12 (3.0) | 0.38 (9.7) | 37 | Green |
| 54153BS | 1/0 | 100 | 225/24 | 1 | 1 | 1 | 1 | 1 | 5/16 | 1.63 (41.4) | 0.71 (18.0) | 0.75 (19.1) | 0.14 (3.6) | 0.38 (9.7) | 42 | Pink |
| 54110BS | 2/0 | 125 | 275/24 | 1/0 | 1/0 | 1/0 | 1/0 | 1/0 | 3/8 | 1.88 (47.8) | 0.81 (20.6) | 0.81 (20.6) | 0.14 (3.6) | 0.38 (9.7) | 45 | Black |
| 54165BS | 3/0 | 150 | 325/24 | 2/0 | 2/0 | 2/0 | 2/0 | 2/0 | 1/2 | 2.21 (56.1) | 1.06 (40.6) | 0.93 (23.6) | 0.14 (3.6) | 0.50 (12.7) | 50 | Orange |
| 54170BS | 4/0 | 200 | 450/24 | 3/0 | 3/0 | 3/0 | 3/0 | 3/0 | 1/2 | 2.31 (58.7) | 1.06 (40.6) | 1.03 (33.0) | 0.15 (3.8) | 0.50 (12.7) | 54 | Purple |
| 58165BS | 250 | — | 550/24 | 4/0 | 4/0 | 4/0 | 4/0 | 4/0 | 1/2 | 2.46 (62.5) | 1.12 (28.4) | 1.25 (31.8) | 0.18 (4.6) | 0.50 (12.7) | 62 | Yellow |
| 54114BS | 300 | 300 | 650/24 | 250 | 250 | 250 | 250 | — | 1/2 | 2.46 (62.5) | 1.12 (28.4) | 1.25 (31.8) | 0.18 (4.6) | 0.50 (12.7) | 66 | White |
| 5411440BS | | 300 | 650/24 | 250 | 250 | 250 | 250 | — | 1/2 | 2.38 (60.5) | 1.12 (28.4) | 1.25 (31.8) | 0.18 (4.6) | 0.50 (12.7) | | |
| 54115260BS | | 350 | 650/24 | — | — | 250 | 250 | 250 | 1/2 | 2.63 (66.8) | 1.18 (30.0) | 1.38 (35.1) | 0.20 (5.1) | 0.56 (14.2) | | |
| 54185BS | 400 | 400 | 775/24 | 300 | 300 | 300 | 300 | 300 | 5/8 | 3.43 (87.1) | 1.68 (42.7) | 1.40 (35.6) | 0.21 (5.3) | 0.81 (20.6) | 76 | Blue |
| 58177BS | 500 | — | 925/24 | 400 | 400 | 400 | 400 | 400 | 5/8 | 3.00 (76.2) | 1.31 (33.3) | 1.63 (41.4) | 0.25 (6.4) | 0.81 (20.6) | 80 | — |
| 58180BS | 600 | — | 1100/24 | — | — | 450 | 450 | 450 | 5/8 | 3.63 (92.2) | 1.68 (42.7) | 1.78 (45.2) | 0.26 (6.6) | 0.81 (20.6) | 94 | Green |
| 54122BS | 700 | — | 1325/24 | 500 | 500 | 500 | 500 | 500 | 5/8 | 3.63 (92.2) | 1.68 (42.7) | 1.78 (45.2) | 0.28 (7.1) | 0.81 (20.6) | 99 | Pink |
| 54123BS | 750 | — | — | 600 | — | — | — | 550 | 5/8 | 3.63 (92.2) | 1.68 (42.7) | 1.93 (49.0) | 0.31 (7.9) | 0.81 (20.6) | 106 | Black |
| 54124BS | 800 | 800 | — | — | — | — | 600 | — | 5/8 | 3.81 (96.8) | 1.68 (42.7) | 2.00 (50.8) | 0.31 (7.9) | 0.63 (16.0) | 107 | Orange |
| 54126BS | 900 | — | 1925/24 | — | — | 750 | — | — | 5/8 | 4.12 (104.6) | 1.81 (46.0) | 2.18 (55.4) | 0.37 (9.4) | 0.88 (22.4) | 115 | Yellow |

[‡] For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements.

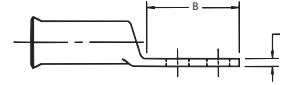
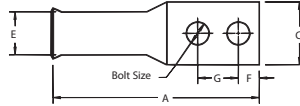
* Stranding will differ per class.

Tooling: pp. E4–E62

Die Selector Chart: pp. E35–E50

Compression Connectors for Copper Conductors

Bell-Ended Lugs — Long Barrel Certified to 600 V and Recommended up to 35 kV[‡]



| Cat. No. | Wire Size* | | | Classes | | | | | Bolt Size (In.) | Dimensions in. (mm) | | | | | | | Die Code | Colour Code |
|---------------|------------|-------|-----------|-----------|-----|-----|-----|-----|-----------------|---------------------|-------------|-------------|------------|-------------|-------------|-------------|----------|-------------|
| | Code Cable | Navy | Flex | G | H | I | K | M | | A | B | C | D | E | F | G | | |
| 54850BEBS | 8 | 23 | 8 | 8 | 8 | - | 8 | - | 1/4 | 2.19 (55.6) | 1.88 (47.8) | 0.42 (10.7) | 0.07 (1.8) | 0.26 (6.6) | 0.25 (6.4) | 0.63 (16.0) | 21 | Red |
| 54851BEBS | | | | | | | | | 1/4 | 2.31 (58.7) | 1.59 (32.8) | 0.47 (11.9) | 0.06 (1.5) | 0.26 (6.6) | 0.25 (6.4) | 0.75 (19.1) | | |
| 54852BE0616BS | | | | | | | | | 3/8 | 3.00 (76.2) | 2.10 (53.3) | 0.56 (14.2) | 0.06 (1.5) | 0.26 (6.6) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54852BE0616BS | 6 | 30 | 6 | 5 | 5 | 5 | 5 | - | 1/4 | 2.28 (57.9) | 1.28 (32.5) | 0.44 (11.2) | 0.08 (2.0) | 0.30 (7.6) | 0.25 (6.4) | 0.63 (16.0) | 24 | Blue |
| 54852BE0412BS | | | | | | | | | 1/4 | 2.43 (61.7) | 1.43 (36.3) | 0.43 (10.9) | 0.07 (1.8) | 0.30 (7.6) | 0.25 (6.4) | 0.75 (19.1) | | |
| 54854BE0412BS | | | | | | | | | 1/4 | 2.31 (58.7) | 1.19 (30.2) | 0.52 (13.2) | 0.10 (2.5) | 0.37 (9.4) | 0.25 (6.4) | 0.63 (16.0) | | |
| 54854BE0616BS | 4-3 | 40-50 | 5 | 5 | 5 | 5 | 5 | - | 1/4 | 2.31 (58.7) | 1.31 (33.3) | 0.56 (14.2) | 0.09 (2.3) | 0.37 (9.4) | 0.25 (6.4) | 0.75 (19.1) | 29 | Grey |
| 54854BE0616BS | | | | | | | | | 3/8 | 3.13 (79.5) | 1.98 (50.3) | 0.59 (15.0) | 0.09 (2.3) | 0.37 (9.4) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54855BE0412BS | | | | | | | | | 1/4 | 2.63 (66.8) | 1.35 (34.3) | 0.68 (17.3) | 0.11 (2.8) | 0.41 (10.4) | 0.25 (6.4) | 0.75 (19.1) | | |
| 54855BEBS | 2 | 60 | 3 | 3 | 3 | 3 | 3 | 3 | 1/4 | 2.43 (61.7) | 1.28 (32.5) | 0.59 (15.0) | 0.11 (2.8) | 0.41 (10.4) | 0.25 (6.4) | 0.63 (16.0) | 33 | Brown |
| 54856BEBS | | | | | | | | | 3/16 | 2.78 (70.6) | 1.63 (41.4) | 0.59 (15.0) | 0.11 (2.8) | 0.41 (10.4) | 0.38 (9.7) | 0.75 (19.1) | | |
| 54810BE0616BS | | | | | | | | | 3/8 | 3.08 (96.5) | 1.94 (49.3) | 0.59 (15.0) | 0.11 (2.8) | 0.41 (10.4) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54811BEBS | 1 | 75 | 2 | 2 | 2 | 2 | 2 | 2 | 1/2 | 4.28 (108.7) | 3.00 (76.2) | 0.88 (22.4) | 0.09 (2.3) | 0.41 (10.4) | 0.50 (12.7) | 1.75 (44.5) | 37 | Green |
| 54809BEBS | | | | | | | | | 1/4 | 2.88 (73.2) | 1.19 (30.2) | 0.67 (17.0) | 0.11 (2.8) | 0.47 (11.9) | 0.25 (6.4) | 0.63 (16.0) | | |
| 54812BEBS | | | | | | | | | 1/4 | 2.75 (69.9) | 1.40 (35.6) | 0.67 (17.0) | 0.11 (2.8) | 0.47 (11.9) | 0.25 (6.4) | 0.75 (19.1) | | |
| 54858BEBS | 1 | 75 | 2 | 2 | 2 | 2 | 2 | 2 | 5/16 | 2.97 (75.4) | 1.63 (41.4) | 0.67 (17.0) | 0.11 (2.8) | 0.47 (11.9) | 0.38 (9.7) | 0.88 (22.4) | 42 | Pink |
| 54857BEBS | | | | | | | | | 1/2 | 4.43 (112.5) | 3.00 (76.2) | 0.88 (22.4) | 0.10 (2.5) | 0.47 (11.9) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54859BEBS | | | | | | | | | 1/4 | 2.63 (66.8) | 1.19 (30.2) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.25 (6.4) | 0.63 (16.0) | | |
| 54813BEBS | 1/0 | 100 | 1 | 1 | 1 | 1 | 1 | 1 | 1/4 | 2.71 (68.8) | 1.38 (35.1) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.25 (6.4) | 0.75 (19.1) | 45 | Black |
| 54860BEBS | | | | | | | | | 5/16 | 2.97 (75.4) | 1.63 (41.4) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.38 (9.7) | 0.88 (22.4) | | |
| 54860BE0616BS | | | | | | | | | 3/8 | 3.23 (82.0) | 1.93 (49.0) | 0.75 (19.1) | 0.13 (3.3) | 0.52 (13.2) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54814BEBS | 2/0 | 125 | 1/0 | 1/0 | 1/0 | 1/0 | 1/0 | 1/0 | 1/4 | 2.62 (66.5) | 1.25 (31.8) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.25 (6.4) | 0.63 (16.0) | 50 | Orange |
| 54814BE0412BS | | | | | | | | | 1/4 | 2.69 (68.3) | 1.31 (33.3) | 0.81 (20.6) | 0.13 (3.3) | 0.57 (14.5) | 0.25 (6.4) | 0.75 (19.1) | | |
| 54862BE0616BS | | | | | | | | | 3/8 | 3.19 (81.0) | 1.81 (46.0) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54862BEBS | 3/0 | 150 | 2/0 | 2/0 | 2/0 | 2/0 | 2/0 | 2/0 | 1/2 | 2.20 (55.9) | 2.81 (71.4) | 0.83 (21.1) | 0.13 (3.3) | 0.57 (14.5) | 0.50 (12.7) | 1.75 (44.5) | 54 | Purple |
| 54815BEBS | | | | | | | | | 1/4 | 2.89 (73.4) | 1.45 (36.8) | 0.92 (23.4) | 0.13 (3.3) | 0.63 (16.0) | 0.25 (6.4) | 0.75 (19.1) | | |
| 54816BEBS | | | | | | | | | 3/8 | 3.25 (82.6) | 1.63 (41.4) | 0.92 (23.4) | 0.13 (3.3) | 0.63 (16.0) | 0.38 (9.7) | 1.00 (25.4) | | |
| 54864BEBS | 4/0 | 200 | 3/0 | 3/0 | 3/0 | 3/0 | 3/0 | 3/0 | 1/2 | 4.45 (113.0) | 3.00 (76.2) | 0.92 (23.4) | 0.13 (3.3) | 0.63 (16.0) | 0.50 (12.7) | 1.75 (44.5) | 62 | Yellow |
| 54817BEBS | | | | | | | | | 1/4 | 3.15 (80.0) | 1.38 (35.1) | 1.03 (26.2) | 0.14 (3.6) | 0.70 (17.8) | 0.50 (12.7) | 0.75 (19.1) | | |
| 54818BE0616BS | | | | | | | | | 3/8 | 3.35 (85.1) | 1.81 (46.0) | 1.03 (26.2) | 0.14 (3.6) | 0.70 (17.8) | 0.25 (6.4) | 1.00 (25.4) | | |
| 54818BEBS | 4/0 | 200 | 3/0 | 3/0 | 3/0 | 3/0 | 3/0 | 3/0 | 3/8 | 4.38 (111.3) | 2.63 (66.8) | 1.03 (26.2) | 0.14 (3.6) | 0.70 (17.8) | 0.38 (9.7) | 1.75 (44.5) | 66 | White |
| 54866BEBS | | | | | | | | | 1/2 | 4.70 (119.4) | 3.00 (76.2) | 1.03 (26.2) | 0.14 (3.6) | 0.70 (17.8) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54868BE0616BS | | | | | | | | | 3/8 | 3.83 (97.3) | 1.93 (49.0) | 1.13 (28.7) | 0.14 (3.6) | 0.77 (19.6) | 0.50 (12.7) | 1.00 (25.4) | | |
| 54868BEBS | 250 | - | 4/0 | 4/0 | 4/0 | 4/0 | 4/0 | 4/0 | 1/2 | 4.92 (125.0) | 3.00 (76.2) | 1.13 (28.7) | 0.14 (3.6) | 0.77 (19.6) | 0.50 (12.7) | 1.75 (44.5) | 76 | Blue |
| 54819BEBS | | | | | | | | | 3/8 | 5.04 (137.2) | 2.80 (71.1) | 1.25 (31.8) | 0.15 (3.8) | 0.85 (21.6) | 0.50 (12.7) | 1.00 (25.4) | | |
| 54870BEBS | | | | | | | | | 1/2 | 5.23 (132.8) | 3.00 (76.2) | 1.25 (31.8) | 0.15 (3.8) | 0.85 (21.6) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54822BEBS | 400 | 400 | 313 kcmil | 300 kcmil | 300 | 300 | 300 | - | 1/4 | 4.38 (111.3) | 1.93 (49.0) | 1.41 (35.8) | 0.17 (4.3) | 0.96 (24.4) | 0.63 (16.0) | 0.75 (19.1) | 87 | Brown |
| 54821BEBS | | | | | | | | | 3/8 | 4.43 (112.5) | 1.93 (49.0) | 1.41 (35.8) | 0.17 (4.3) | 0.96 (24.4) | 0.63 (16.0) | 1.00 (25.4) | | |
| 54874BEBS | | | | | | | | | 1/2 | 5.51 (140.0) | 3.00 (76.2) | 1.41 (35.8) | 0.17 (4.3) | 0.96 (24.4) | 0.63 (16.0) | 1.75 (44.5) | | |
| 54823BEBS | 500 | - | 373 kcmil | 400 kcmil | 400 | 400 | 400 | - | 1/4 | 4.93 (125.2) | 1.94 (49.3) | 1.61 (40.9) | 0.22 (5.6) | 1.10 (27.9) | 0.50 (12.7) | 0.75 (19.1) | 94 | Green |
| 54876BE0616BS | | | | | | | | | 3/8 | 5.00 (127.0) | 1.93 (49.0) | 1.61 (40.9) | 0.22 (5.6) | 1.10 (27.9) | 0.50 (12.7) | 1.00 (25.4) | | |
| 54876BEBS | | | | | | | | | 1/2 | 6.00 (152.4) | 3.00 (76.2) | 1.61 (40.9) | 0.22 (5.6) | 1.10 (27.9) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54824BEBS | - | - | 444 kcmil | - | - | 450 | 450 | - | 3/8 | 5.70 (144.8) | 2.80 (71.1) | 1.75 (44.5) | 0.24 (6.1) | 1.20 (30.5) | 0.63 (16.0) | 1.00 (25.4) | 99 | Pink |
| 54878BEBS | | | | | | | | | 1/2 | 5.83 (148.1) | 3.00 (76.2) | 1.75 (44.5) | 0.24 (6.1) | 1.20 (30.5) | 0.63 (16.0) | 1.75 (44.5) | | |
| 54879BEBS | | | | | | | | | 1/2 | 6.00 (152.4) | 3.00 (76.2) | 2.81 (71.4) | 0.28 (7.1) | 1.25 (31.8) | 0.50 (12.7) | 1.75 (44.5) | | |
| 54880BEBS | 700 | - | 535 kcmil | 500 kcmil | 500 | 500 | 500 | - | 1/2 | 6.20 (157.5) | 3.00 (76.2) | 1.94 (49.3) | 0.27 (6.9) | 1.33 (33.8) | 0.63 (16.0) | 1.75 (44.5) | 106 | Black |
| 58884BEBS | | | | | | | | | 1/2 | 6.16 (156.4) | 3.00 (76.2) | 1.94 (49.3) | 0.27 (6.9) | 1.33 (33.8) | 0.50 (12.7) | 1.75 (44.5) | | |
| 58826BEBS | | | | | | | | | 3/8 | 6.49 (164.8) | 2.80 (71.1) | 2.27 (57.7) | 0.30 (7.6) | 1.50 (38.1) | 0.63 (16.0) | 1.00 (25.4) | | |

‡ For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements.
* Stranding will differ per class.

Tooling: pp. E4-E62
Die Selector Chart: pp. E35-E50

Compression Connectors for Copper Conductors

Two-Barrel Lugs — Certified to 600 V and Recommended up to 35 kV[‡]

Material: High-Conductivity Wrought Copper
Finish: Electro-Tin Plated

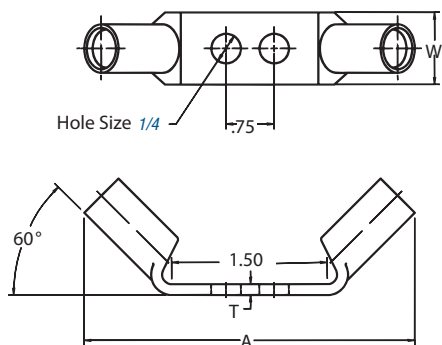


Figure 1

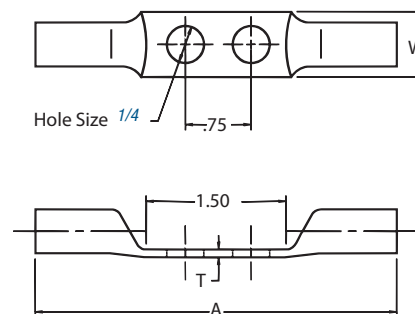


Figure 2



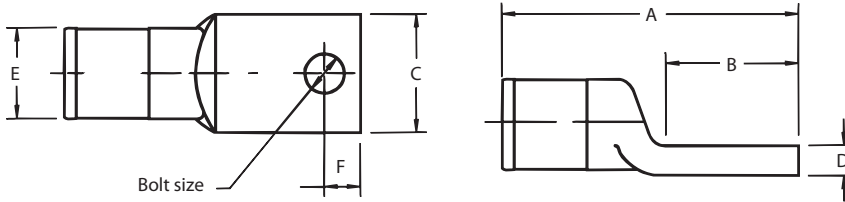
| Cat. No. | Wire Size | | Hole Size (in.) | Figure No. | Dimensions in. (mm) | | | Die Code | Colour Code |
|----------------|------------|-------|-----------------|------------|---------------------|-------------|------------|----------|-------------|
| | Code Cable | Flex | | | A | W | T | | |
| 256-30695-828 | 6 | 61/24 | 1/4 | 1 | 2.94 (74.7) | 0.44 (11.2) | 0.06 (1.5) | 24 | Blue |
| 256-30695-1227 | | | | 2 | 3.38 (85.9) | | | | |

[‡] For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements.
 Tooling: pp. E4–E62
 Die Selector Chart: pp. E35–E50

Compression Connectors for Copper Conductors



Cast Copper One-Hole Lugs Heavy-Duty Certified to 600 V and Recommended up to 35 kV[‡]



Material: High-Conductivity Wrought Copper
Finish: Electro-Tin Plated



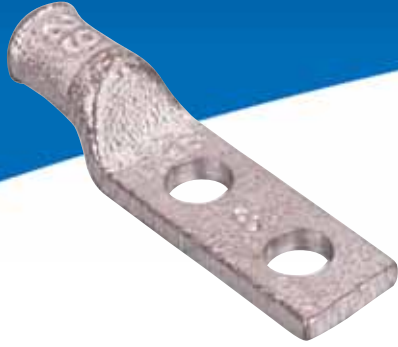
| Cat. No. | Code Cable Size | Dimensions in. (mm) | | | | | Bolt Size (in.) | Die Code |
|----------|-----------------|---------------------|-------------|-------------|-------------|-------------|-----------------|----------|
| | | A | B | C | D | F | | |
| 53104 | 8 | 1.43 (36.3) | 0.75 (19.1) | 0.50 (12.7) | 0.12 (3.0) | 0.28 (7.1) | #10 | 29 |
| 53105 | 6 | 1.43 (36.3) | 0.75 (19.1) | 0.50 (12.7) | 0.12 (3.0) | 0.28 (7.1) | 1/4 | |
| 53106 | 4 | 1.43 (36.3) | 0.75 (19.1) | 0.50 (12.7) | 0.12 (3.0) | 0.28 (7.1) | | |
| 53107 | 2 | 2.00 (50.8) | 1.00 (25.4) | 0.75 (19.1) | 0.25 (6.4) | 0.43 (10.9) | | |
| 53108 | 1 | 2.00 (50.8) | 1.00 (25.4) | 0.75 (19.1) | 0.25 (6.4) | 0.43 (10.9) | | 45 |
| 53109 | 1/0 | 2.00 (50.8) | 1.00 (25.4) | 0.75 (19.1) | 0.25 (6.4) | 0.43 (10.9) | 3/8 | 54 |
| 53161* | 325/24 | 2.18 (55.4) | 0.75 (19.1) | 0.81 (20.6) | 0.21 (5.3) | 0.43 (10.9) | | |
| 53110 | 2/0 | 2.63 (66.8) | 1.25 (31.8) | 1.00 (25.4) | 0.28 (7.1) | 0.53 (13.5) | | |
| 53111 | 3/0 | 2.63 (66.8) | 1.25 (31.8) | 1.00 (25.4) | 0.28 (7.1) | 0.53 (13.5) | | 66 |
| 53112 | 4/0 | 2.63 (66.8) | 1.25 (31.8) | 1.00 (25.4) | 0.28 (7.1) | 0.53 (13.5) | 1/2 | 76 |
| 53165* | 650/24 | 3.06 (91.4) | 1.38 (35.1) | 1.18 (30.0) | 0.31 (7.9) | 0.75 (19.1) | | |
| 53113 | 250 kcmil | 3.06 (91.4) | 1.50 (38.1) | 1.18 (30.0) | 0.31 (7.9) | 0.75 (19.1) | | |
| 53114 | 300 kcmil | 3.06 (91.4) | 1.50 (38.1) | 1.18 (30.0) | 0.31 (7.9) | 0.75 (19.1) | | |
| 53115 | 350 kcmil | 3.81 (96.8) | 2.00 (50.8) | 1.38 (35.1) | 0.38 (9.7) | 0.81 (20.6) | | |
| 53116 | 400 kcmil | 3.81 (96.8) | 2.00 (50.8) | 1.38 (35.1) | 0.38 (9.7) | 0.81 (20.6) | | |
| 53118 | 500 kcmil | 3.81 (96.8) | 2.00 (50.8) | 1.38 (35.1) | 0.38 (9.7) | 0.81 (20.6) | | |
| 53168* | 1100/24 | 3.81 (96.8) | 1.63 (41.4) | 1.63 (41.4) | 0.40 (10.2) | 0.88 (22.4) | | 107 |
| 53169* | 1325/24 | 3.81 (96.8) | 1.63 (41.4) | 1.63 (41.4) | 0.40 (10.2) | 0.88 (22.4) | 112 | |
| 53123 | 750 kcmil | 4.18 (106.2) | 2.12 (53.8) | 1.63 (41.4) | 0.43 (10.9) | 1.00 (25.4) | | |
| 53173* | 2750/24 | 5.06 (142.2) | 1.88 (47.8) | 2.12 (53.8) | 0.56 (14.2) | 1.18 (30.0) | 150 | |

[‡] For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements.

Applicable tools: 12, 14, 15 and 40-Tons (see tool section E4–E62).

* Not UL Listed and CSA non applicable.

Die Selector Chart: pp. E35–E50



Compression Connectors for Copper Conductors

Cast Copper Two-Hole Lugs for Code Copper Cable — Certified to 600 V and Recommended up to 35 kV[‡]

Material: High-Conductivity Wrought Copper

Finish: Electro-Tin Plated

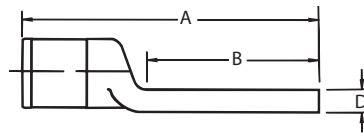
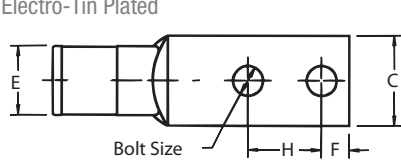


Figure 1

Figure 2



| Cat. No. | Code Cable Size | Bolt Size (in.) | Dimensions in. (mm) | | | | | | | Die Code | No. of Crimps | | |
|-----------------------|--------------------------------------|-----------------|---------------------|-------------|-------------|--------------|-------------|-------------|-----------------------|----------|---------------|---------|---------|
| | | | A | B | C | D | E | F | H | | 12-Tons | 15-Tons | 40-Tons |
| 256-30695-1055 | #14-10 | 1/4 | 2.00 (50.8) | 1.31 (33.3) | 0.50 (12.7) | 0.12 (3.0) | 0.38 (9.7) | 0.25 (6.4) | 0.63-0.75 (16.0-19.1) | 29 | 1 | | |
| 53204 | #8 | | 2.00 (50.8) | 1.31 (33.3) | 0.50 (12.7) | 0.09 (2.3) | 0.38 (9.7) | 0.25 (6.4) | 0.63 (16.0) | | | | |
| 53205 | #4 | | 2.00 (50.8) | 1.31 (33.3) | 0.50 (12.7) | 0.12 (3.0) | 0.38 (9.7) | 0.25 (6.4) | 0.63 (16.0) | | | | |
| 53206 | #2 | | 3.00 (76.2) | 2.00 (50.8) | 0.75 (19.1) | 0.12 (3.0) | 0.59 (15.0) | 0.50 (12.7) | 0.75 (19.1) | | | | |
| 53207 | #1 | 3/8 | 3.00 (76.2) | 2.00 (50.8) | 0.75 (19.1) | 0.25 (6.4) | 0.59 (15.0) | 0.50 (12.7) | 1.00 (25.4) | 45 | | | |
| 53208 | 1/0 | | 3.00 (76.2) | 2.00 (50.8) | 0.75 (19.1) | 0.25 (6.4) | 0.59 (15.0) | 0.50 (12.7) | 1.00 (25.4) | | | | |
| 53209 | 2/0 | | 4.31 (109.5) | 3.00 (76.2) | 0.75 (19.1) | 0.18 (4.6) | 0.84 (21.3) | 0.63 (16.0) | 1.75 (44.5) | | | | |
| 53210 | 3/0 | | 4.31 (109.5) | 3.00 (76.2) | 1.00 (25.4) | 0.28 (7.1) | 0.84 (21.3) | 0.63 (16.0) | 1.75 (44.5) | | | | |
| 53211 | 4/0 | 1/2 | 4.31 (109.5) | 3.00 (76.2) | 1.00 (25.4) | 0.28 (7.1) | 0.84 (21.3) | 0.63 (16.0) | 1.75 (44.5) | 66 | | | |
| 53212 | 250 kcmil | | 4.31 (109.5) | 3.00 (76.2) | 1.00 (25.4) | 0.18 (4.6) | 0.93 (23.6) | 0.63 (16.0) | 1.75 (44.5) | | | | |
| 53213 | 300 kcmil | | 4.56 (115.8) | 3.00 (76.2) | 1.18 (30.0) | 0.31 (7.9) | 0.93 (23.6) | 0.63 (16.0) | 1.75 (44.5) | | | | |
| 53214 | 350 kcmil | | 5.31 (134.9) | 3.50 (88.9) | 1.38 (35.1) | 0.25 (6.4) | 1.21 (30.7) | 0.63 (16.0) | 1.75 (44.5) | | | | |
| 53215 | 400 kcmil | 150 | 5.31 (134.9) | 3.50 (88.9) | 1.38 (35.1) | 0.38 (9.7) | 1.21 (30.7) | 0.63 (16.0) | 1.75 (44.5) | 99 | 2 | | |
| 53216 | 500 kcmil | | 5.31 (134.9) | 3.50 (88.9) | 1.38 (35.1) | 0.38 (9.7) | 1.21 (30.7) | 0.63 (16.0) | 1.75 (44.5) | | | | |
| 53218 | 600 kcmil | | 5.31 (134.9) | 3.50 (88.9) | 1.63 (41.4) | 0.53 (13.5) | 1.35 (34.3) | 0.63 (16.0) | 1.75 (44.5) | | | | |
| 53220M | 700 kcmil | | 5.31 (134.9) | 3.50 (88.9) | 1.63 (41.4) | 0.03 (0.8) ± | 1.35 (34.3) | 0.63 (16.0) | 1.75 (44.5) | | | | |
| 53222M | 750 kcmil | 130 | 5.31 (134.9) | 3.50 (88.9) | 1.63 (41.4) | 0.40 (10.2) | 1.35 (34.3) | 0.63 (16.0) | 1.75 (44.5) | 107 | | | |
| 53223M | 1325/24 | | 5.50 (139.7) | 3.50 (88.9) | 1.63 (41.4) | 0.40 (10.2) | 1.35 (34.3) | 0.63 (16.0) | 1.75 (44.5) | | | | |
| 53224 | 800 kcmil | | 6.00 (152.4) | 3.50 (88.9) | 1.88 (47.8) | 0.31 (7.9) | 1.56 (39.6) | 0.63 (16.0) | 1.75 (44.5) | | | | |
| 53226 | 900 kcmil | | 6.00 (152.4) | 3.50 (88.9) | 1.88 (47.8) | 0.46 (11.7) | 1.56 (39.6) | 0.63 (16.0) | 1.75 (44.5) | | | | |
| 53228 | 1000 kcmil | 175 | 6.00 (152.4) | 3.50 (88.9) | 1.88 (47.8) | 0.46 (11.7) | 1.56 (39.6) | 0.63 (16.0) | 1.75 (44.5) | 130 | | | |
| 53273• | 1100 kcmil 2750/24 | | 6.19 (157.2) | 3.50 (88.9) | 2.12 (53.8) | 0.56 (14.2) | 1.90 (28.3) | 0.63 (16.0) | 1.75 (44.5) | | | | |
| 53233 | 1500 kcmil | | 6.25 (158.8) | 3.50 (88.9) | 2.25 (57.2) | 0.50 (12.7) | 1.90 (28.3) | 0.63 (16.0) | 1.75 (44.5) | | | | |
| 53233L | | | 7.31 (185.7) | 3.12 (79.2) | 2.00 (50.8) | 0.50 (12.7) | 1.88 (47.8) | 0.63 (16.0) | 1.75 (44.5) | | | | |
| 53432L•* | | 7.31 (185.7) | 3.12 (79.2) | 3.00 (76.2) | 0.50 (12.7) | 1.88 (47.8) | 0.63 (16.0) | 1.75 (44.5) | | | | | |
| 251-30485-1275 | 1250 kcmil | 9/16 | 6.19 (157.2) | 3.50 (88.9) | 2.12 (53.8) | 0.56 (14.2) | 1.90 (48.3) | 0.63 (16.0) | 1.75 (44.5) | 150 | 1 | | |
| 251-30485-1211 | 1750 kcmil | - | 6.38 (162.1) | 3.12 (79.2) | 3.00 (76.2) | 0.50 (12.7) | 2.18 (55.4) | - | - | | | | |
| 251-30485-1212 | | | 6.38 (162.1) | 3.12 (79.2) | 2.25 (57.2) | 0.50 (12.7) | 2.18 (55.4) | - | - | | | | |
| 53239 | 2000 kcmil 169/110 | 1/2 | 6.19 (157.2) | 3.50 (88.9) | 2.75 (69.9) | 0.50 (12.7) | 2.18 (55.4) | 0.63 (16.0) | 0.63 (16.0) | | | | |
| 53239L | 178/0.104 2000 kcmil 169/0.110 | | 7.31 (185.7) | 3.12 (79.2) | 2.25 (57.2) | 0.50 (12.7) | 2.46 (62.5) | 0.63 (16.0) | 0.63 (16.0) | | | | |
| 53439L•* | 178/0.104 2000 kcmil | | 7.31 (185.7) | 3.12 (79.2) | 3.00 (76.2) | 0.50 (12.7) | 2.18 (55.4) | 0.63 (16.0) | 0.63 (16.0) | | | | |

[‡] For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements.

* Heavy-Duty copper lugs for flexible strand cables 600 V not UL or CSA Listed.

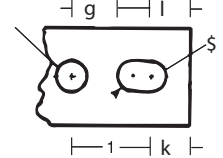
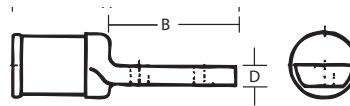
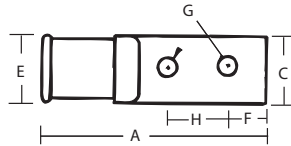
• CSA not applicable.

Die Selector Chart: pp. E35-E50

Compression Connectors for Copper Conductors

T&B Method — Traction Motor Disconnect Lugs for Diesel-Electric Locomotives

Material: Cast Copper



| Cat. No. | Cable Size | Dimensions in. (mm) | | | | Approx. Dia. E in. (mm) | Bolt Size in. (mm) | | | Die Code |
|-----------------|------------|---------------------|-------------|-------------|------------|----------------------------|--------------------|------------|-------------|----------|
| | | A | B | C | D | | F | G | H | |
| MD37 | 37/24 | 2.44 (62.0) | 1.75 (44.5) | 0.59 (15.0) | 0.16 (4.1) | 0.38 (9.7) | 0.38 (9.7) | 0.31 (7.9) | 0.88 (24.4) | 26 |
| MDD61 | 61/24 | 2.44 (62.0) | 1.75 (44.5) | 0.59 (15.0) | 0.16 (4.1) | 0.38 (9.7) | 0.38 (9.7) | 0.31 (7.9) | 0.88 (24.4) | |
| MD 105 | 105/24 | 2.63 (66.8) | 1.75 (44.5) | 0.59 (15.0) | 0.16 (4.1) | 0.44 (11.2) | 0.38 (9.7) | 0.31 (7.9) | 0.88 (24.4) | 33 |
| MD 105 | 91/24 | 2.63 (66.8) | 1.75 (44.5) | 0.59 (15.0) | 0.16 (4.1) | 0.44 (11.2) | 0.38 (9.7) | 0.31 (7.9) | 0.88 (24.4) | |
| MD 125 | 125/24 | 2.63 (66.8) | 1.75 (44.5) | 0.59 (15.0) | 0.20 (5.2) | 0.44 (11.2) | 0.38 (9.7) | 0.31 (7.9) | 0.88 (24.4) | 45 |
| MD 150 | 150/24 | 2.06 (52.3) | 1.88 (47.8) | 0.59 (15.0) | 0.20 (5.2) | 0.63 (16.0) | 0.44 (11.2) | 0.31 (7.9) | 0.88 (24.4) | |
| MD 175 | 175/24 | 2.06 (52.3) | 1.88 (47.8) | 0.59 (15.0) | 0.20 (5.2) | 0.63 (16.0) | 0.44 (11.2) | 0.31 (7.9) | 0.88 (24.4) | 60 |
| MD 225 | 225/24 | 3.00 (76.2) | 1.88 (47.8) | 0.69 (17.5) | 0.20 (5.2) | 0.72 (18.3) | 0.44 (11.2) | 0.31 (7.9) | 0.88 (24.4) | |
| MD 275 | 275/24 | 3.00 (76.2) | 1.88 (47.8) | 0.69 (17.5) | 0.20 (5.2) | 0.72 (18.3) | 0.44 (11.2) | 0.31 (7.9) | 0.88 (24.4) | 76 |
| MD 325 | 325/24 | 3.00 (76.2) | 1.88 (47.8) | 0.69 (17.5) | 0.20 (5.2) | 0.72 (18.3) | 0.44 (11.2) | 0.31 (7.9) | 0.88 (24.4) | |
| MD 375 | 375/24 | 3.13 (79.5) | 2.00 (50.8) | 0.78 (19.8) | 0.20 (5.2) | 0.72 (18.3) | 0.44 (11.2) | 0.31 (7.9) | 0.88 (24.4) | 87 |
| MD 450 | 450/24 | 3.13 (79.5) | 2.00 (50.8) | 0.78 (19.8) | 0.20 (5.2) | 0.72 (18.3) | 0.44 (11.2) | 0.31 (7.9) | 0.88 (24.4) | |
| MD 550 | 550/24 | 3.19 (81.0) | 1.88 (47.8) | 0.94 (23.9) | 0.20 (5.2) | 1.00 (25.4) | 0.44 (11.2) | 0.31 (7.9) | 0.88 (24.4) | 107 |
| MD 650 | 650/24 | 3.19 (81.0) | 1.88 (47.8) | 0.94 (23.9) | 0.20 (5.2) | 1.00 (25.4) | 0.44 (11.2) | 0.31 (7.9) | 0.88 (24.4) | |
| MD 775 | 775/24 | 3.19 (81.0) | 1.88 (47.8) | 0.94 (23.9) | 0.38 (9.5) | 1.00 (25.4) | 0.44 (11.2) | 0.31 (7.9) | 0.88 (24.4) | 115 |
| MD 925 | 925/24 | 3.75 (95.3) | 2.06 (52.3) | 1.13 (28.7) | 0.38 (9.5) | 1.16 (29.5) | 0.44 (11.2) | 0.38 (9.7) | 1.00 (25.4) | |
| MD 1100 | 1100/24 | 3.75 (95.3) | 2.06 (52.3) | 1.34 (34.0) | 0.38 (9.5) | 1.38 (35.1) | 0.44 (11.2) | 0.38 (9.7) | 1.00 (25.4) | 130 |
| MD 1325 | 1325/24 | 3.78 (96.0) | 2.09 (53.3) | 1.16 (29.5) | 0.38 (9.5) | 1.75 (44.5) | 0.44 (11.2) | 0.38 (9.7) | 1.00 (25.4) | |
| MD 1600 | 1600/24 | 3.75 (95.3) | 2.06 (52.3) | 1.34 (34.0) | 0.38 (9.5) | 1.38 (35.1) | 0.44 (11.2) | 0.38 (9.7) | 1.00 (25.4) | 115 |
| MD 1925* | 1925/24 | 4.06 (103.1) | 2.09 (53.3) | 1.34 (34.0) | 0.38 (9.5) | 1.50 (38.1) | 0.44 (11.2) | 0.38 (9.7) | 1.00 (25.4) | |
| MD 2300 | 2300/24 | 4.38 (111.3) | 2.13 (54.1) | 1.59 (40.4) | 0.38 (9.5) | 1.66 (42.2) | 0.44 (11.2) | 0.38 (9.7) | 1.00 (25.4) | 130 |

Note: Some parts may not be current on the system. Consult your Regional Sales Office for informations.

Tooling: All hydraulic tools 12 tons and up.

For use mechanically splice traction motor wires. MES Flex (B) and DLU.

* Supplied with Elongated Bolt Hole.



Compression Connectors for Copper Conductors

One-Hole Metric Lugs

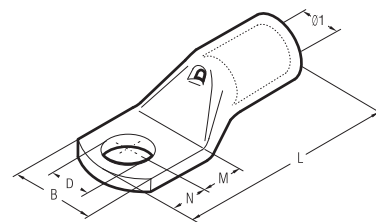
Color-Keyed® metric lugs are manufactured from electrolytic copper tube. The dimensions of the tube are designed to obtain the most efficient electrical conductivity and mechanical strength, resisting vibration and pullout.

Color-Keyed® metric lugs are annealed to guarantee optimum ductility, which is a necessity for compression connectors having to withstand severe deformation arising when compressed or bending of the tongue that may happen during installation.

Connectors have to perform adequately with vibration loads, and annealing is necessary to avoid material failure between the barrel and the tongue.

The presence of an inspection hole facilitates full insertion of the conductor, and the barrel length is designed to allow easy and accurate positioning of the dies during the crimping operation.

Lugs are electrolytically tin-plated to eliminate oxidation of the copper material. Color-Keyed® metric lugs complement our connector family and meet a growing need for customer's connector requirements. Details of the appropriate crimping tools and dies are included. Our Thomas & Betts Sales Representative group is always available to provide any technical advice required. Please contact them if sizes are needed additional to those shown in this catalogue.

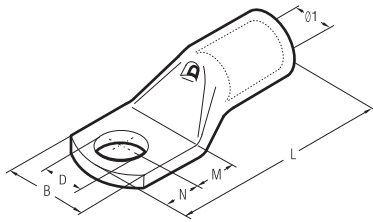


| Cat. No. | Cond. Size mm ² | | Stud (mm) | Dimensions (mm) | | | | | | Std. Pkg. | 6-Tons TBM62BSCR (Crimps) | 14-Tons BPLT14BSCRI (Crimps) | 26-Tons TBM26MCC (Crimps) | 60-Tons TBM60MCC (Crimps) | | | | | |
|-----------|----------------------------|----------|-----------|-----------------|------|------|------|------|------|-----------|---------------------------------|------------------------------------|---------------------------------|---------------------------------|-----|----|----------------|-----------------|---|
| | Low Stranded | Flexible | | Ø1 | B | M | N | L | D | | | | | | | | | | |
| MCC6M4 | - | 4 ÷ 6 | 4 | 3.6 | 8.0 | 5.0 | 4.0 | 21.5 | 4.3 | 100 | MCD6-6 (1) | - | - | | | | | | |
| MCC6M5 | | | 5 | 3.6 | 9.0 | 6.5 | 6.0 | 25.0 | 5.3 | | | | | | | | | | |
| MCC6M6 | | | 6 | 3.6 | 11.0 | 7.0 | 6.0 | 25.5 | 6.4 | | | | | | | | | | |
| MCC10M4 | - | 10 | 4 | 4.6 | 10.0 | 5.0 | 4.0 | 22.5 | 4.3 | 100 | MCD10-6 (1) | MCD10-14 (1) | - | | | | | | |
| MCC10M5* | | | 5 | 4.6 | 10.0 | 6.5 | 6.0 | 26.0 | 5.3 | | | | | | | | | | |
| MCC10M6* | | | 6 | 4.6 | 11.0 | 7.0 | 6.0 | 26.5 | 6.4 | | | | | | | | | | |
| MCC10M8* | | | 8 | 4.6 | 15.0 | 9.0 | 8.0 | 30.5 | 8.4 | | | | | | | | | | |
| MCC10M10* | - | 16 | 10 | 4.6 | 18.0 | 11.0 | 10.0 | 34.5 | 10.5 | 100 | MCD16-6 (1) | MCD16-14 (1) | - | | | | | | |
| MCC16M4* | | | 4 | 5.8 | 11.5 | 5.0 | 4.0 | 25.5 | 4.3 | | | | | | | | | | |
| MCC16M5* | | | 5 | 5.8 | 11.5 | 6.5 | 6.0 | 29.0 | 5.3 | | | | | | | | | | |
| MCC16M6* | | | 6 | 5.8 | 11.5 | 7.0 | 6.0 | 29.5 | 6.4 | | | | | | | | | | |
| MCC16M8* | | | 8 | 5.8 | 15.0 | 9.0 | 8.0 | 33.5 | 8.4 | | | | | | | | | | |
| MCC16M10* | - | 25 | 10 | 5.8 | 18.0 | 11.0 | 10.0 | 37.5 | 10.5 | 100 | MCD25-6 (1) | MCD25-14 (1) | - | | | | | | |
| MCC25M5* | | | 5 | 7.0 | 14.0 | 6.5 | 6.0 | 31.5 | 5.3 | | | | | | | | | | |
| MCC25M6* | | | 6 | 7.0 | 14.0 | 7.0 | 6.0 | 32.0 | 6.4 | | | | | | | | | | |
| MCC25M10* | | | 10 | 7.0 | 18.0 | 11.0 | 10.0 | 40.0 | 10.5 | | | | | | | | | | |
| MCC35M5* | | | 35 | 25 35 | 5 | 8.9 | 17.0 | 6.5 | 6.0 | | | | | 34.0 | 5.3 | 50 | MCD35-6 (1) | MCD35-14 (1) | - |
| MCC35M6* | | | | | 6 | 8.9 | 17.0 | 7.0 | 6.0 | | | | | 34.5 | 6.4 | | | | |
| MCC35M8* | 8 | 8.9 | | | 17.0 | 9.0 | 8.0 | 38.5 | 8.4 | | | | | | | | | | |
| MCC35M10* | 10 | 8.9 | | | 19.0 | 11.0 | 10.0 | 42.5 | 10.5 | | | | | | | | | | |
| MCC35M12* | 12 | 8.9 | | | 21.0 | 14.0 | 12.0 | 47.5 | 13.2 | | | | | | | | | | |
| MCC50M8* | 50 | 35 50 | 8 | 10.0 | 19.0 | 19.0 | 8.0 | 42.5 | 8.4 | 50 | MCD50-6 (1) | MCD50-14 (1) | - | | | | | | |
| MCC50M10* | | | 10 | 10.0 | 20.0 | 11.0 | 10.0 | 46.5 | 10.5 | | | | | | | | | | |
| MCC50M12* | | | 12 | 10.0 | 21.0 | 14.0 | 12.0 | 51.5 | 13.2 | | | | | | | | | | |
| MCC70M6* | 70 | 50 70 | 6 | 11.3 | 21.0 | 8.0 | 7.0 | 44.0 | 6.4 | 50 | MCD70-6 (1) | MCD70-14 (1) | - | | | | | | |
| MCC70M8* | | | 8 | 11.3 | 21.0 | 9.0 | 8.0 | 46.0 | 8.4 | | | | | | | | | | |
| MCC70M10* | | | 10 | 11.3 | 21.0 | 11.0 | 10.0 | 50.0 | 10.5 | | | | | | | | | | |
| MCC70M12* | | | 12 | 11.3 | 22.0 | 14.0 | 12.0 | 55.0 | 13.2 | | | | | | | | | | |
| MCC70M16* | | | 16 | 11.3 | 26.0 | 18.0 | 16.0 | 63.0 | 17.0 | | | | | | | | | | |
| MCC95M8* | 95 | 70 95 | 8 | 13.5 | 25.0 | 9.0 | 8.0 | 52.5 | 8.4 | 50 | MCD95-6 (1) | MCD95-14 (1) | - | | | | | | |
| MCC95M10* | | | 10 | 13.5 | 25.0 | 11.0 | 10.0 | 56.5 | 10.5 | | | | | | | | | | |
| MCC95M12* | | | 12 | 13.5 | 25.0 | 14.0 | 12.0 | 61.5 | 13.2 | | | | | | | | | | |

* UL Listed.

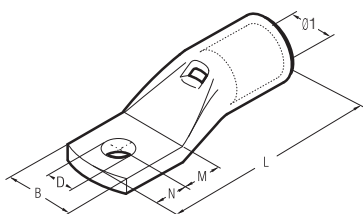
Compression Connectors for Copper Conductors

One-Hole Metric Lugs (cont'd)



| Cat. No. | Cond. Size mm ² | | Stud (mm) | Dimensions (mm) | | | | | | Std. Pkg. | 6-Tons TBM62BSCR (Crimps) | 14-Tons BPLT14BSRI (Crimps) | 26-Tons TBM26MCC (Crimps) | 60-Tons TBM60MCC (Crimps) |
|------------|----------------------------|------------|-----------|-----------------|------|------|------|-------|------|-----------|---------------------------------|-----------------------------------|---------------------------------|---------------------------------|
| | Low Stranded | Flexible | | Ø1 | B | M | N | L | D | | | | | |
| MCC120M6 | 120 | 95 120 | 8 | — | — | — | — | — | 6.4 | 25 | MCD120-6 (1) | MCD120-14 (1) | | |
| MCC120M8* | | | 8 | 15.2 | 28.5 | 9.0 | 8.0 | 54.0 | 8.4 | 25 | | | | |
| MCC120M10* | | | 10 | 15.2 | 28.5 | 11.0 | 10.0 | 58.0 | 10.5 | 25 | | | | |
| MCC120M12* | | | 12 | 15.2 | 28.5 | 14.0 | 12.0 | 63.0 | 13.2 | 25 | | | | |
| MCC120M16* | | | 16 | 15.2 | 28.5 | 18.0 | 16.0 | 71.0 | 17.0 | 25 | | | | |
| MCC150M10* | 150 | 120 150 | 10 | 15.2 | 28.5 | 18.0 | 16.0 | 71.0 | 17.0 | 25 | MCD150-6 (3) | MCD150-14 (1) | | |
| MCC150M12* | | | 12 | 16.7 | 31.5 | 16.0 | 14.0 | 75.0 | 13.2 | 25 | | | | |
| MCC150M16* | | | 16 | 16.7 | 31.5 | 19.0 | 17.0 | 81.0 | 17.0 | 25 | | | | |
| MCC185M10* | 185 | 150 185 | 10 | 19.2 | 35.5 | 13.0 | 11.0 | 76.0 | 10.5 | 25 | MCD185-6 (3) | MCD185-14 (1) | — | — |
| MCC185M12* | | | 12 | 19.2 | 35.5 | 16.0 | 14.0 | 82.0 | 13.2 | 25 | | | | |
| MCC185M16* | | | 16 | 19.2 | 35.5 | 19.0 | 17.0 | 88.0 | 17.0 | 15 | | | | |
| MCC240M10* | 240 | 185 240 | 10 | 21.1 | 39.0 | 13.0 | 11.0 | 82.0 | 10.5 | 15 | MCD240-6 (3) | MCD240-14 (2) | | |
| MCC240M12* | | | 12 | 21.1 | 39.0 | 16.0 | 14.0 | 88.0 | 13.2 | 15 | | | | |
| MCC240M16* | | | 16 | 21.1 | 39.0 | 19.0 | 17.0 | 94.0 | 17.0 | 15 | | | | |
| MCC300M10* | 300 | 240 | 10 | 23.7 | 44.0 | 13.0 | 11.0 | 96.0 | 10.5 | 10 | | MCD300-14 (3) | | |
| MCC300M12* | | | 12 | 23.7 | 44.0 | 16.0 | 14.0 | 99.0 | 13.2 | 10 | | | | |
| MCC300M16* | | | 16 | 23.7 | 44.0 | 19.0 | 19.0 | 10.0 | 17.0 | 10 | | | | |
| MCC400M10 | 400 | 300 | 10 | 27.0 | 51.0 | 22.0 | 19.0 | 113.0 | 13.2 | 5 | | MCD400-14 (3) | MCD400-26 (2) | MCD400-60 (2) |
| MCC400M12 | | | 12 | 27.0 | 51.0 | 22.0 | 19.0 | 113.0 | 13.2 | 5 | | | | |
| MCC400M16 | | | 16 | 27.0 | 51.0 | 22.0 | 19.0 | 113.0 | 17.0 | 5 | | | | |
| MCC500M10 | 500 | 400 | 10 | — | — | — | — | — | 13.2 | 5 | — | | MCD500-26 (2) | MCD500-60 (2) |
| MCC500M12 | | | 12 | — | — | — | — | — | 17.0 | 5 | | | | |
| MCC500M16 | | | 16 | 30.3 | 56.5 | 22.0 | 19.0 | 117.0 | 17.0 | 5 | | | | |
| MCC630M16 | 630 | 500 | 16 | 33.4 | 61.6 | 22.0 | 19.0 | 128.0 | 17.0 | 6 | | | MCD630-26 (2) | MCD630-60 (2) |
| MCC630M20 | | | 20 | 33.4 | 61.6 | 24.0 | 23.0 | 134.0 | 21.0 | 6 | | | | |
| MCC800M16 | 800 | 630 | 16 | 38.0 | 72.0 | 24.0 | 19.0 | 141.0 | 17.0 | 3 | | | — | MCD800-60 (2) |
| MCC800M20 | | | 20 | 38.0 | 72.0 | 24.0 | 23.0 | 145.0 | 21.0 | 3 | | | | |
| MCC1000M16 | 1000 | 800 | 16 | 44.0 | 80.0 | 24.0 | 19.0 | 158.0 | 17.0 | 2 | | | — | MCD1000-60 (2) |
| MCC1000M20 | | | 20 | 44.0 | 80.0 | 24.0 | 23.0 | 162.0 | 21.0 | 2 | | | | |

*UL Listed.



Compression Connectors for Copper Conductors

Narrow-Tongue Metric Lugs

Color-Keyed® narrow-tongue metric lugs feature a contained tongue width.

Our lugs have been specifically developed for applications with L.V. circuit breakers with reduced space requirements. The tongue width allows a quicker and easier installation.

Color-Keyed® narrow-tongue metric lugs are manufactured from electrolytic copper tube.

The specific design of the barrel and dimensions create the best combination of mechanical strength and electrical conductivity.

Color-Keyed® narrow-tongue metric lugs are annealed to guarantee optimum ductility and are electrolytically tin-plated to avoid oxidation.

The barrel is provided with an internal chamfer for easy insertion of the conductor. The length allows easy positioning of the dies for proper crimping.



| Cat. No. | Cond. Size Flexible (mm ²) | Stud (mm) | Dimensions (mm) | | | | | | Std. Pkg. | 6-Tons TBMG2BSCR (Crimps) | 14-Tons BPLT14BSCRI (Crimps) |
|-------------|--|-----------|-----------------|------|------|------|------|------|-----------|---------------------------|------------------------------|
| | | | Ø1 | B | M | N | L | D | | | |
| MCCNT10M5 | 10 | 5 | 4.6 | 9.0 | 6.5 | 6.0 | 26.0 | 5.3 | 100 | MCD10-6 (1) | MCD10-14 (1) |
| MCCNT16M5 | 16 | 5 | 5.8 | 9.0 | 6.5 | 6.0 | 29.0 | 5.3 | 100 | MCD16-6 (1) | MCD16-14 (1) |
| MCCNT25M5 | 25 | 5 | 7.0 | 9.0 | 6.5 | 6.0 | 31.5 | 5.3 | 100 | MCD25-6 (1) | MCD25-14 (1) |
| MCCNT35M6 | 35 | 6 | 8.9 | 11.5 | 8.0 | 7.0 | 36.5 | 6.4 | 100 | MCD35-6 (2) | MCD35-14 (1) |
| MCCNT50M6 | 50 | 6 | 10.0 | 11.5 | 8.0 | 7.0 | 40.5 | 6.4 | 50 | MCD50-6 (1) | MCD50-14 (1) |
| MCCNT70M6 | 70 | 6 | 11.3 | 11.5 | 8.0 | 7.0 | 44.0 | 6.4 | 50 | MCD70-6 (2) | MCD70-14 (1) |
| MCCNT95M8 | 95 | 8 | 13.5 | 15.5 | 9.0 | 8.0 | 52.5 | 8.0 | 25 | MCD95-6 (1) | MCD95-14 (1) |
| MCCNT120M8 | 120 | 8 | 15.2 | 19.0 | 14.0 | 9.0 | 60.0 | 8.4 | 25 | MCD120-6 (2) | MCD120-14 (1) |
| MCCNT120M10 | | 10 | 15.2 | 19.0 | 14.0 | 9.0 | 60.0 | 10.5 | 25 | MCD120-6 (2) | MCD120-14 (1) |
| MCCNT150M8 | 150 | 8 | 16.7 | 19.0 | 18.0 | 9.0 | 70.0 | 8.4 | 25 | MCD150-6 (3) | MCD150-14 (1) |
| MCCNT150M10 | | 10 | 16.7 | 19.0 | 18.0 | 9.0 | 70.0 | 10.5 | 25 | MCD150-6 (3) | MCD150-14 (1) |
| MCCNT185M10 | 185 | 10 | 19.2 | 24.5 | 18.0 | 9.0 | 77.0 | 10.5 | 25 | MCD185-6 (3) | MCD185-14 (1) |
| MCCNT240M10 | 240 | 10 | 21.1 | 31.0 | 13.0 | 9.0 | 80.0 | 10.5 | 15 | MCD240-6 (3) | MCD240-14 (1) |
| MCCNT240M12 | | 12 | 21.1 | 31.0 | 16.0 | 12.0 | 86.0 | 13.2 | 15 | MCD240-6 (3) | MCD240-14 (1) |
| MCCNT240M16 | | 16 | 21.1 | 31.0 | 19.0 | 17.0 | 94.0 | 17.0 | 15 | MCD240-6 (3) | MCD240-14 (1) |
| MCCNT300M12 | 300 | 12 | 23.7 | 31.0 | 16.0 | 12.0 | 95.0 | 13.2 | 10 | - | MCD300-14 (3) |

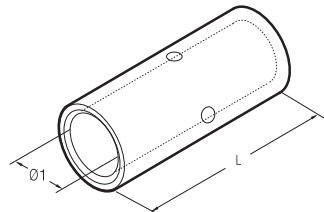
Compression Connectors for Copper Conductors

Two-Way Metric Splice Connectors

Color-Keyed® metric splice connectors are designed for joining low voltage conductors.

Made of electrolytic copper tube having similar dimensions to the Color-Keyed® metric lugs, these connectors are also annealed and electrolytically tin-plated.

They feature an internal chamfer at both ends. For easy insertion of the conductor, a center stop is provided to ensure correct positioning.



| Cat. No. | Cond. Size (mm ²) | | Dimensions (mm) | | Std. Pkg. | 6-Tons TBM62BSCR (Crimps) | 14-Tons BPLT14BSRI (Crimps) | 26-Tons TBM26MCC (Crimps) | 60-Tons TBM60MCC (Crimps) |
|----------|-------------------------------|------------|-----------------|------|-----------|---------------------------------|-----------------------------------|---------------------------------|---------------------------------|
| | Low Stranded | Flexible | Ø1 | L | | | | | |
| MCST1 | 0.25 ÷ 1.5 | 0.25 ÷ 1.5 | 1.8 | 15 | 100 | - | - | | |
| MCST2 | 1.5 ÷ 2.5 | 1.5 ÷ 2.5 | 2.4 | 15 | 100 | | | | |
| MCST6 | 4 ÷ 6 | 4 ÷ 6 | 3.6 | 22 | 100 | MCD6-6 (1 + 1) | | | |
| MCST10 | 10 | 10 | 4.6 | 25 | 100 | MCD10-6 (1 + 1) | MCD10-14 (1 + 1) | | |
| MCST16 | 16 | 16 | 5.8 | 27 | 100 | MCD16-6 (1 + 1) | MCD16-14 (1 + 1) | | |
| MCST25 | 25 | 25 | 7.0 | 29 | 100 | MCD25-6 (1 + 1) | MCD25-14 (1 + 1) | | |
| MCST35 | 35 | 25 ÷ 35 | 8.9 | 33.2 | 100 | MCD35-6 (1 + 1) | MCD35-14 (1 + 1) | | |
| MCST50 | 50 | 35 ÷ 50 | 10.0 | 37 | 50 | MCD50-6 (2 + 2) | MCD50-14 (1 + 1) | - | - |
| MCST70 | 70 | 50 ÷ 70 | 11.3 | 39 | 50 | MCD70-6 (2 + 2) | MCD70-14 (1 + 1) | | |
| MCST95 | 95 | 70 ÷ 95 | 13.5 | 43 | 25 | MCD95-6 (2 + 2) | MCD95-14 (1 + 1) | | |
| MCST120 | 120 | 95 ÷ 120 | 15.2 | 47 | 25 | MCD120-6 (2 + 2) | MCD120-14 (1 + 1) | | |
| MCST150 | 150 | 120 ÷ 150 | 16.7 | 58 | 25 | MCD150-6 (3 + 3) | MCD150-14 (1 + 1) | | |
| MCST185 | 185 | 150 ÷ 85 | 19.2 | 64 | 25 | MCD185-6 (3 + 3) | MCD185-14 (1 + 1) | | |
| MCST240 | 240 | 185 ÷ 240 | 21.1 | 75 | 15 | MCD240-6 (3 + 3) | MCD240-14 (2 + 2) | | |
| MCST300 | 300 | 240 | 23.7 | 90 | 10 | | MCD300-14 (3 + 3) | | |
| MCST400 | 400 | 300 | 27.0 | 94 | 5 | | MCD400-14 (3 + 3) | MCD400-26 (2 + 2) | MCD400-60 (2 + 2) |
| MCST500 | 500 | 400 | 30.3 | 98 | 6 | | | MCD500-26 (2 + 2) | MCD500-60 (2 + 2) |
| MCST630 | 600 ÷ 630 | 500 | 33.4 | 105 | 6 | | | MCD630-26 (2 + 2) | MCD630-60 (2 + 2) |
| MCST800 | 800 | 600 | 38.0 | 112 | 3 | | | | MCD800-60 (2 + 2) |
| MCST1000 | 1000 | 800 | 44.0 | 120 | 3 | | | | MCD1000-60 (2 + 2) |

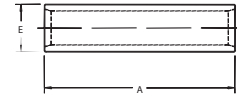


Compression Connectors for Copper Conductors

Two-Way Splice Connectors — Standard Barrel Certified to 600 V and Recommended up to 35 kV[‡]

Material: High-Conductivity Wrought Copper
Finish: Electro-Tin Plated

Two-way connectors provide high-pullout values, are easy to insulate and provide a low-resistance connection of high quality and low installed cost.



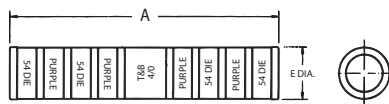
| Cat. No. | Wire Size | | Dimensions in. (mm) | | Die Set Cat. No. | Colour Code |
|----------|------------|---|---------------------|-------------|------------------|-------------|
| | Code Cable | Flex Cable Classes G, H, I, K, M* | A | E | | |
| 54504 | #8 AWG | #8 AWG, 37/24, #8 Weld | 1.00 (25.4) | 0.27 (6.9) | 21 | Red |
| 54505 | #6 AWG | #6 AWG, 61/24, #6 Weld, 133/0.014 | 1.00 (25.4) | 0.30 (7.6) | 24 | Blue |
| 54506 | #4 AWG | #4 AWG, 91/24, 133/0.0177, 49/0.029 | 1.00 (25.4) | 0.37 (9.4) | 29 | Grey |
| 54507 | #2 AWG | 125/24, #4 Weld | 1.25 (31.8) | 0.41 (10.4) | 33 | Brown |
| 54508 | #1 AWG | #2 AWG, 150/24, 175/24, #2 Weld, 133/0.0223 | 1.50 (38.1) | 0.47 (11.9) | 37 | Green |
| 54509 | 1/0 AWG | 225/24, #1 Weld, 133/0.0254 | 1.63 (41.4) | 0.52 (13.2) | 42 | Pink |
| 54510 | 2/0 AWG | 1/0 AWG, 275/24, 1/0 Weld, 427/0.0155, 133/0.0282 | 1.75 (44.5) | 0.57 (14.5) | 45 | Black |
| 54511 | 3/0 AWG | 2/0 AWG, 325/24, 2/0 Weld, 133/0.0316, 259/0.0227, 427/0.0177 | 1.75 (44.5) | 0.63 (16.0) | 50 | Orange |
| 53962 | - | 375/24, 179 kcmil, 133/0.0355, 259/0.0255, 427/0.0199 | 1.81 (46.0) | 0.70 (17.8) | | |
| 54512 | 4/0 AWG | 3/0 AWG, 450/24, 3/0 Weld, 703/0.0154 | 1.88 (47.8) | 0.70 (17.8) | 54 | Purple |
| 54513 | 250 kcmil | 4/0 AWG, 550/24, 4/0 Weld, 133/0.0399, 259/0.0286, 637/0.0183 | 2.25 (57.2) | 0.77 (19.6) | 62 | Yellow |
| 53964 | - | 4/0 AWG, 550/24, 4/0 Weld, 133/0.0399, 259/0.0286, 637/0.0183 | 2.13 (54.1) | 0.79 (20.1) | | |
| 54514 | 300 kcmil | 300 kcmil, 775/24 (313 kcmil) | 2.13 (54.1) | 0.83 (21.1) | 66 | White |
| 54515 | 350 kcmil | | - | 2.25 (57.2) | 0.90 (22.9) | 71 |
| 54516 | 400 kcmil | - | 2.75 (69.9) | 0.93 (23.6) | 76 | Blue |
| 53968 | - | 300 kcmil, 775/24 (313 kcmil) | 3.00 (76.2) | 1.13 (28.7) | 87 | Brown |
| 54518 | 500 kcmil | | - | 2.75 (69.9) | | |
| 54520 | 600 kcmil | - | 3.00 (76.2) | 1.18 (30.0) | 94 | Green |
| 54522-TB | 700 kcmil | - | 3.25 (82.6) | 1.23 (31.2) | 99 | Pink |
| 53969 | - | 1325/24 = 500/535 kcmil, 427/0.0342 | 3.00 (76.2) | 1.24 (31.5) | | |
| 54523-TB | 750 kcmil | - | 3.00 (76.2) | 1.30 (33.0) | 106 | Black |
| 54528 | 1000 kcmil | - | 3.63 (92.2) | 1.50 (38.1) | 125 | - |
| 54530 | 1250 kcmil | - | 4.13 (104.9) | 1.67 (42.4) | 140 | - |

[‡] For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements.
^{*} Consult your Regional Sales Office for complete list of flex cable class sizes M.

Tooling: pp. E4-E62
 Die Selector Chart: pp. E35-E50

Two-Way Splice Connectors — Long Barrel Certified to 600 V and Recommended up to 35 kV[‡]

Material: High-Conductivity Wrought Copper
Finish: Electro-Tin Plated



| Cat. No. | Wire Size | | Dimensions in. (mm) | | Die Code | Colour Code |
|----------|------------|--|---------------------|-------------|----------|-------------|
| | Code Cable | Flex Cable Classes G, H, I, K, M | A | E | | |
| 54804 | #8 AWG | #8, 37/24 = 14.9 kcmil | 1.75 (44.5) | 0.27 (6.9) | 21 | Red |
| 54805 | #6 AWG | #6, 61/24 = 24.6 kcmil | 1.75 (44.5) | 0.31 (7.9) | 24 | Blue |
| 54806 | #4 AWG | #4, 91/24 = 36.7 kcmil | 1.75 (44.5) | 0.39 (9.9) | 29 | Grey |
| 54807 | #2 AWG | 125/24 = 50.4 kcmil | 1.88 (47.8) | 0.43 (11.0) | 33 | Brown |
| 54808 | #1 AWG | #2, 150/24 = 60.5 kcmil 175/24 = 70.6 kcmil | 2.00 (50.8) | 0.49 (12.4) | 37 | Green |
| 54809 | 1/0 AWG | 225/24 = 90.8 kcmil | 2.00 (50.8) | 0.54 (13.7) | 42 | Pink |
| 54810 | 2/0 AWG | 1/0, 275/24 = 111 kcmil | 2.13 (54.1) | 0.59 (15.0) | 45 | Black |
| 54811 | 3/0 AWG | 2/0, 325/24 = 131 kcmil | 2.25 (57.2) | 0.65 (16.5) | 50 | Orange |
| 54812 | 4/0 AWG | 450/24 = 182 kcmil | 2.75 (69.9) | 0.72 (18.3) | 54 | Purple |
| 54813 | 250 kcmil | 4/0, 550/24 = 222 kcmil | 3.38 (85.9) | 0.79 (20.1) | 62 | Yellow |

[‡] For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements.

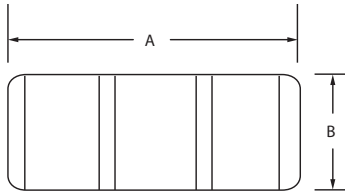
| Cat. No. | Wire Size | | Dimensions in. (mm) | | Die Code | Colour Code |
|----------|------------|----------------------------------|---------------------|-------------|----------|-------------|
| | Code Cable | Flex Cable Classes G, H, I, K, M | A | E | | |
| 54814 | 300 kcmil | 250, 650/24 = 262 kcmil | 3.50 (88.9) | 0.87 (22.1) | 66 | White |
| 54815 | 350 kcmil | - | 3.75 (95.3) | 0.95 (24.1) | 71 | Red |
| 54816 | 400 kcmil | 775/24 = 313 kcmil | 3.75 (95.3) | 0.98 (24.9) | 76 | Blue |
| 54818 | 500 kcmil | 350, 925/24 = 373 kcmil | 4.75 (120.6) | 1.11 (28.2) | 87 | Brown |
| 54820 | 600 kcmil | 1100/24 = 444 kcmil | 4.25 (108.0) | 1.21 (30.7) | 94 | Green |
| 54823 | 750 kcmil | 500, 1325/24 = 535 kcmil | 4.75 (120.6) | 1.34 (34.0) | 106 | Black |
| 58524 | - | 1600/24 = 646 kcmil | 5.00 (127.0) | 1.39 (35.3) | 106 | Black |
| 58526* | 900 kcmil | 750, 1925/24 = 777 kcmil | 5.50 (139.7) | 1.51 (38.4) | 115 | Yellow |
| 54828 | 1000 kcmil | - | 5.63 (143.0) | 1.56 (39.6) | 125 | - |
| 54833 | 1500 kcmil | - | 5.63 (143.0) | 1.56 (39.6) | 125 | - |
| 54839 | 2000 kcmil | - | 7.06 (179.3) | 2.13 (54.1) | - | - |

*CSA approved code cable only.

Tooling: pp. E4-E62
 Die Selector Chart: pp. E35-E50

Compression Connectors for Copper Conductors

Copper Two-Way Splice — Certified to 600 V and Recommended up to 15 kV



| Cat. No. | Cable Size** | Dimensions in. (mm) | | Installing Tools 14 and 15-Tons* | | |
|----------|--------------|---------------------|-------------|----------------------------------|--------------------|-------------|
| | | A | B | Die Set Cat. No. | Strip Length (in.) | Colour Code |
| 54006-TB | #4 AWG | 2.00 (50.8) | 0.37 (9.4) | 15CA29R | 1-1/2 | Grey |
| 54007-TB | #2 AWG | 2.13 (54.1) | 0.41 (10.4) | 15CA33R | 1-5/8 | Brown |
| 54008-TB | #1 AWG | 2.25 (57.2) | 0.47 (11.9) | 15CA37R | 1-5/8 | Green |
| 54009-TB | 1/0 AWG | 2.38 (60.5) | 0.52 (13.2) | 15CA42R | 1-3/4 | Pink |
| 54010 | 2/0 AWG | 2.38 (60.5) | 0.57 (14.5) | 15CA45R | 1-3/4 | Black |
| 54011 | 3/0 AWG | 2.63 (66.8) | 0.63 (16.0) | 15CA49R | 1-13/16 | Orange |
| 54012-TB | 4/0 AWG | 2.69 (68.3) | 0.69 (17.5) | 15CA54R | 1-13/16 | Purple |
| 54013 | 250 kcmil | 3.19 (81.0) | 0.74 (18.8) | 15CA60R | 2-1/8 | Ruby |
| 54015 | 350 kcmil | 4.13 (104.9) | 0.89 (22.6) | 15CA71R | 2-5/8 | Red |
| 54018 | 500 kcmil | 4.13 (104.9) | 1.06 (40.6) | 15CA87R | 2-5/8 | Brown |
| 54023 | 750 kcmil | 4.75 (120.7) | 1.30 (33.0) | 15CA106R | 2-7/8 | Black |

*Cat. No. 15505-TB Die Adaptor required for TBM15L.
 ** Cable Size: Concentric and Compact strandings.

Tooling: pp. E4-E62
 Die Selector Chart: pp. E35-E50

Cast-Copper Two-Way Splice Connectors – Heavy-Duty Certified to 600 V and Recommended up to 35 kV[‡]

Material: High-Conductivity Wrought Copper

Finish: Electro-Tin Plated



| Cat. No. | Cable Size | Die Code |
|----------|------------|----------|
| 53504 | 8 AWG | 29 |
| 53505 | 6 AWG | |
| 53506 | 4 AWG | |
| 53507 | 2 AWG | 45 |
| 53508 | 1 AWG | |
| 53509 | 1/0 AWG | |
| 53510 | 2/0 AWG | 66 |
| 53511 | 3/0 AWG | |
| 53512 | 4/0 AWG | |
| 53513 | 250 kcmil | 76 |
| 53515 | 350 kcmil | 99 |
| 53518 | 500 kcmil | |
| 53523 | 750 kcmil | 112 |

[‡] For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements.
 Use hydraulic tools with hex dies 13642M, 13400 and 21940.
 Tooling: pp. E4-E62
 Die Selector Chart: pp. E35-E50



Constant O.D. enables faster, easier installation than contoured design

Thomas & Betts takes the splicing of different-sized conductors to a new level of economy and efficiency with Color-Keyed® Cast-Copper Reducing Splices. In addition to a lower cost, the key benefit to these splices is in their constant outer diameter. Unlike screw-machined, externally contoured splices, Cast-Copper Reducing Splices require no change of tool or die between crimping each end. Just slide each wire easily into the chamfered barrel and use the same Color-Keyed® tool and die to crimp both ends. The consistent O.D. also makes these splices faster and easier to insulate with clear heat-shrink wrap than a contoured splice. Sand-cast construction ensures high-tensile strength for heavy-duty applications and tin-plated copper material provides high-conductivity and superior corrosion-resistance.

- Ideal for telecom (inside office/outside plant), commercial, industrial MRO, and any other certified to 600 V and recommended up to 35 kV^g applications requiring splicing of different-sized conductors.
- Tin-plated, sand-cast copper construction provides superior tensile strength, high-conductivity and excellent corrosion-resistance.
- Easier to install and insulate than screw-machined, contour-designed reducing splices.
- Constant O.D. saves time on installation by eliminating the need for crimp-tool/die change.
- Fast and simple to insulate with clear or coloured heat-shrink wrap.
- Chamfered barrel facilitates easy wire insertion.
- Compact, low-profile design takes up minimal space in cable tray or wire run.
- Simple installation with Color-Keyed® crimp tools (12, 14 and 15-Tons).

Compression Connectors for Copper Conductors

Cast-Copper Reducing Splices



| Cat. No. | Cond. 1 Size | Cond. 2 Size | Length in. (mm) | Dia. in. (mm) | Die Code | Colour Code |
|----------------|----------------|----------------|-----------------|---------------|----------|-------------|
| 251-30485-19 | 4/0 Str. | 2 Str. | 2.25 (57.2) | 0.81 (20.6) | 66 | White |
| 251-30485-91 | 500 kcmil Str. | 300 kcmil Str. | 3.31 (84.1) | 0.81 (20.6) | 99 | Pink |
| 251-30485-229 | 2/0 Str. | 250 kcmil Str. | 2.38 (60.5) | 0.93 (23.6) | 76 | Blue |
| 251-30485-247 | 2 Str. | 8 Str. | 0.56 (14.2) | 0.59 (15.0) | 45 | Black |
| 251-30485-294 | 4 Str. | 2/0 Str. | 2.25 (57.2) | 0.84 (21.3) | 66 | White |
| 251-30485-295 | 4/0 Str. | 4 Str. | 2.25 (57.2) | 0.81 (20.6) | 99 | Pink |
| 251-30485-331 | 4/0 Str. | 350 kcmil Str. | 3.31 (84.1) | 0.53 (13.5) | 66 | White |
| 251-30485-445 | 4/0 Str. | 2/0 Str. | 2.25 (57.2) | 0.81 (20.6) | 45 | Black |
| 251-30485-495 | 1/0 Str. | 2 Str. | 1.56 (39.6) | 0.59 (15.0) | 29 | Grey |
| 251-30485-610 | 6 Str. | 8 Str. | 1.21 (30.7) | 0.38 (9.7) | 45 | Black |
| 251-30485-611 | 4 Str. | 8 Str. | 1.21 (30.7) | 0.38 (9.7) | 66 | White |
| 251-30485-612 | 4 Str. | 6 Str. | 1.21 (30.7) | 0.38 (9.7) | 76 | Blue |
| 251-30485-613 | 2 Str. | 6 Str. | 1.56 (39.6) | 0.59 (15.0) | 99 | Pink |
| 251-30485-640 | 4/0 Str. | 1/0 Str. | 2.25 (57.2) | 0.81 (20.6) | 45 | Black |
| 251-30485-653 | 2 Str. | 250 kcmil Str. | 2.38 (60.5) | 0.93 (23.6) | 66 | White |
| 251-30485-739 | 1/0 Str. | 250 kcmil Str. | 2.38 (60.5) | 0.93 (23.6) | 45 | Black |
| 251-30485-882 | 400 kcmil Str. | 350 kcmil Str. | 3.31 (84.1) | 0.53 (13.5) | 29 | Grey |
| 251-30485-950 | 1/0 Str. | 6 Str. | 1.56 (39.6) | 0.59 (15.0) | 45 | Black |
| 251-30485-951 | 6 Str. | 2/0 Str. | 2.25 (57.2) | 0.84 (21.3) | 66 | White |
| 251-30485-1027 | 1/0 Str. | 4 Str. | 1.56 (39.6) | 0.59 (15.0) | 45 | Black |
| 251-30485-1029 | 1/0 Str. | #12 Str. | 1.56 (39.6) | 0.57 (14.5) | 45 | Black |
| 251-30485-1030 | 10 Str. | 4 Str. | 1.21 (30.7) | 0.38 (9.7) | 29 | Grey |
| 251-30485-1031 | 12 Str. | 4 Str. | 1.21 (30.7) | 0.38 (9.7) | 45 | Black |
| 251-30485-1032 | #6 Str. | #10 Str. | 1.21 (30.7) | 0.38 (9.7) | 29 | Grey |
| 251-30485-1033 | 12 Str. | 6 Str. | 1.21 (30.7) | 0.38 (9.7) | 45 | Black |
| 251-30485-1034 | 14 Str. | 8 Str. | 1.21 (30.7) | 0.38 (9.7) | 29 | Grey |
| 251-30485-1035 | 1 Str. | 1/0 Str. | 1.56 (39.6) | 0.59 (15.0) | 45 | Black |
| 251-30485-1044 | 10 Str. | 8 Str. | 1.21 (30.7) | 0.38 (9.7) | 29 | Grey |
| 251-30485-1045 | 12 Str. | 8 Str. | 1.21 (30.7) | 0.38 (9.7) | 45 | Black |
| 251-30485-1085 | 10 Str. | 1/0 Str. | 1.56 (39.6) | 0.59 (15.0) | 66 | White |
| 251-30485-1086 | 10 Str. | 2/0 Str. | 2.25 (57.2) | 0.84 (21.3) | 76 | Blue |
| 251-30485-1087 | 4 Str. | 250 kcmil Str. | 2.38 (60.5) | 0.93 (23.6) | 99 | Pink |
| 251-30485-1088 | 400 kcmil Str. | 250 kcmil Str. | 3.31 (84.1) | 0.53 (13.5) | 29 | Grey |
| 251-30485-1089 | 14 Str. | 8 Sol. | 1.21 (30.7) | 0.38 (9.7) | 45 | Black |
| 251-30485-1090 | 12 Str. | 8 Sol. | 1.21 (30.7) | 0.38 (9.7) | 29 | Grey |
| 251-30485-1091 | 10 Str. | 8 Sol. | 1.21 (30.7) | 0.38 (9.7) | 45 | Black |
| 251-30485-1092 | 12 Str. | 6 Sol. | 1.21 (30.7) | 0.38 (9.7) | 29 | Grey |
| 251-30485-1093 | 8 Str. | 6 Sol. | 1.21 (30.7) | 0.38 (9.7) | 45 | Black |
| 251-30485-1094 | 4 Str. | 6 Sol. | 1.21 (30.7) | 0.38 (9.7) | 29 | Grey |
| 251-30485-1095 | 2 Str. | 6 Sol. | 1.56 (39.6) | 0.59 (15.0) | 45 | Black |
| 251-30485-1096 | 12 Str. | 4 Sol. | 1.21 (30.7) | 0.38 (9.7) | 29 | Grey |
| 251-30485-1097 | 10 Str. | 4 Sol. | 1.21 (30.7) | 0.38 (9.7) | 45 | Black |
| 251-30485-1098 | 8 Str. | 4 Sol. | 1.21 (30.7) | 0.38 (9.7) | 29 | Grey |
| 251-30485-1099 | 6 Str. | 4 Sol. | 1.21 (30.7) | 0.38 (9.7) | 45 | Black |
| 251-30485-1100 | 1/0 Str. | 4 Sol. | 1.56 (39.6) | 0.59 (15.0) | 29 | Grey |
| 251-30485-1130 | Cast Copper* | 12-4 Str. | 1.28 (32.5) | 0.38 (9.7) | 66 | White |
| 251-30485-1245 | 1/0 Flex | #4 Flex | 2.25 (57.2) | 0.81 (20.6) | 45 | Black |
| 251-30485-1246 | #4 Flex | #8 Flex | 1.56 (39.6) | 0.57 (14.5) | 66 | White |
| | | | | | 45 | Black |

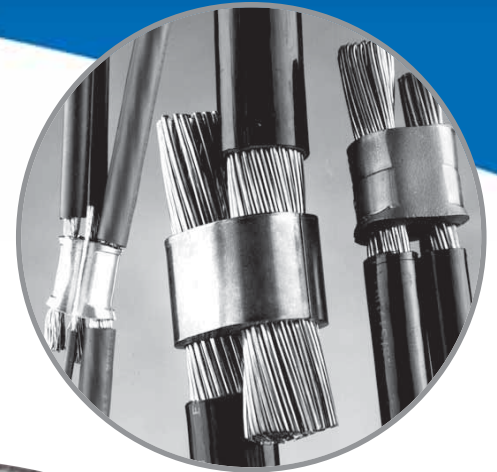
* For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements.
* Cast Copper – Field Modifiable Special.

Copper H-Tap Connectors for Copper Conductors

Copper H-Taps – Certified to 600 V

Material: High-Conductivity Extruded Copper

Finish: Electro-Tin Plated



| Cat. No. | Fig. No. | Colour Code | Dimensions in. (mm) | | | | Crimping Information | | | | | | |
|--------------|----------|----------------------|---------------------------------|---------------------------------|----------------------|-------------------------|-----------------------------|----------------|-------------|-------------|----------|--------------------|-------------------|
| | | | Main | Branch 1 | Branch 2 | Branch 3 | Hydraulic Head | Installing Die | # of Crimps | Colour Code | Die Code | Strip Length (in.) | Insulating Covers |
| CHT750350-1F | 1 | White | (750-500) (750) Flex Only | (750-500) (350) Flex Only | - | - | TBM151 | 15620CHF | 1 | White | F | 1-1/8 | HTC |
| CHT750350-2 | 2 | Yellow | 750-500 (550-500) | 750-500 (550-500) | - | - | | 15620CH | | Yellow | Z | 1-3/8 | |
| CHT75010-3 | 9 | Brown | 500-250 (350-4/0) | 500-4/0 (350-4/0) | - | - | | 15612CH | 2 | Brown | N | 1-1/8 | |
| CHT50040-4 | 2 | | | 500-4/0 (350-4/0) | 250-1/0 (4/0-1/0) | 1 Str. 2-6 AWG (1-8) | | | | | | | 8-14 (8-14) |
| CHT50010-5 | 3 | 500-4/0 (350-4/0) | 250-1/0 (4/0-1/0) | 1 Str. 2-6 AWG (1-8) | 8-14 (8-14) | | | | | | | | |
| CHT2502-6 | 2 | Purple | 250-2 (4/0-2) | 250-2 (4/0-2) | - | - | •TBM151 TBM14M | 15CA80RCH | 1 | Purple | 80R | 13/16 | HTC40 |
| CHT25014-7 | 4 | | | 2-6 Str./Sol. (2-8) | - | - | | | | | | 1-1/8 | |
| CHT250214-8 | 5 | | | 8-14 (8-14) | - | - | | | | | | - | |
| CHT214-9 | 6 | Brown | 2-6 Str./Sol. (2-8) | 2-6 Str./Sol. (2-8) | 8-14 (8-14) | 8-14 (8-14) | •TBM151 TBM14M 13100A | 15CA71RCH | 3 | Brown | 71R | 7/8 | HTC2C |
| CHT814-10 | 7 | Green | 8-14 (8-14) | 8-14 (8-14) | 8-14 (8-14) | | | 15CA37RCH | | | | 1 | |
| CHT75040-11 | 8 | Yellow | 750 Str. (750-500) | 350-4/0 Str. Cu and Flex | - | | TBM151 | 15620CH | Yellow | Z | 1-1/8 | | HTC500 |

* Requires adaptor Cat. No. 15500-TB when used with hydraulic head TBM151.
Material: Copper per ASTM designation B-124-55 Alloy 12.
Tooling: pp. E4-E62
Die Selector Chart: pp. E35-E50

Copper H-Tap Connectors for Copper Conductors

Copper H-Taps – Certified to 600 V (cont'd)

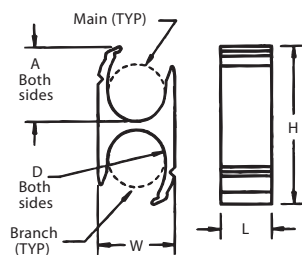


Figure 1

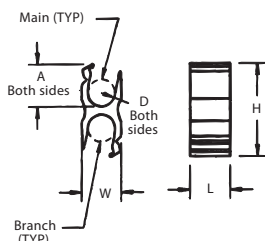


Figure 2

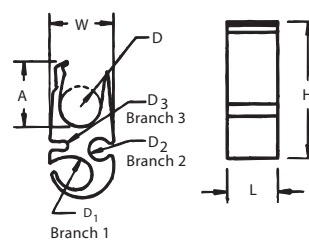


Figure 3

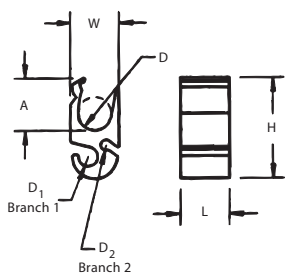


Figure 4

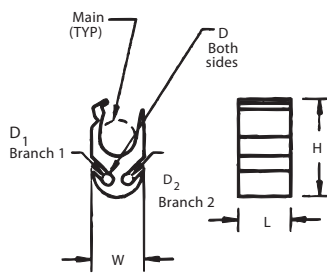


Figure 5

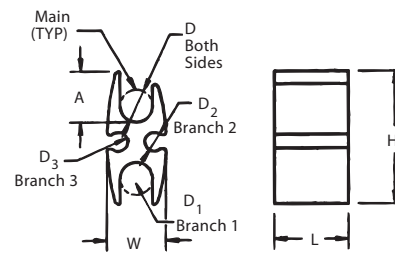


Figure 6

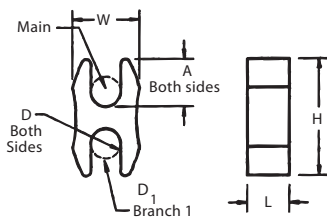


Figure 7

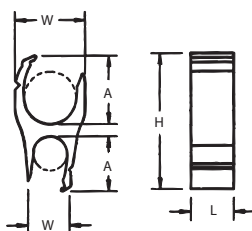


Figure 8

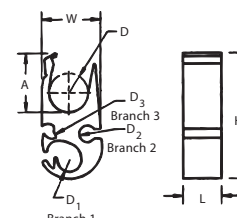


Figure 9



| Cat. No. | Fig. No. | Dimensions in. (mm) | | | | | | | | | Strip Length (in.) | Insulating Covers |
|--------------|----------|---------------------|-----------------|--------------------------------|-----------------|------------------------------------|-----------------|------------|-------------|-------|--------------------|-------------------|
| | | H | W | L | A | D | D1 | D2 | D3 | | | |
| CHT750350-1F | 1 | 3.46 (87.9) | 1.66 (42.1) | 1.10 (27.9) | 1.73 (43.9) | 1.23 (31.2) | - | - | - | 1-1/8 | HTC1000 | |
| CHT750350-2 | 2 | 3.24 (82.3) | 1.50 (38.1) | 1.25 (31.8) | 1.62 (41.1) | 1.02 (30.5) | - | - | - | 1-3/8 | | |
| CHT75010-3 | 9 | 3.13 (79.5) | 1.50 (38.1) | 1.00 (25.4) | 1.54 (39.1) | 1.00 (25.4) | 0.40 (10.2) | 0.35 (8.9) | 0.41 (10.4) | 1-1/8 | HTC500 | |
| CHT75040-11 | 8 | 3.19 (81.0) | (1) 1.65 (41.9) | 1.00 (25.4) (2) 1.05 (26.7) | (1) 1.61 (40.9) | (1) 1.24 (31.5) (2) 1.29 (32.8) | (2) 0.80 (20.3) | - | - | | | |
| CHT50040-4 | 2 | 2.64 (67.1) | 1.18 (30.0) | 1.00 (25.4) | 1.32 (33.5) | 0.80 (20.3) | - | - | - | | | |
| CHT50010-5 | 3 | 2.28 (57.9) | 1.30 (33.0) | 1.00 (25.4) | 1.20 (30.5) | 0.80 (20.3) | 0.67 (17.0) | 0.19 (4.8) | 0.43 (10.9) | 13/16 | HTC40 | |
| CHT2502-6 | 2 | 1.99 (50.9) | 0.90 (22.9) | 0.66 (16.8) | 1.00 (25.4) | 0.62 (15.7) | - | - | - | | | |
| CHT25014-7 | 4 | 1.63 (41.4) | 0.90 (22.9) | 0.90 (22.9) | 0.96 (24.4) | 0.52 (13.2) | 0.35 (8.9) | 0.19 (4.8) | - | 1-1/8 | HTC40 | |
| CHT250214-8 | 5 | 1.63 (41.4) | 0.90 (22.9) | 0.90 (22.9) | 0.96 (24.4) | 0.62 (15.7) | 0.19 (4.8) | 0.19 (4.8) | - | | | |
| CHT214-9 | 6 | 1.35 (34.3) | 0.60 (15.2) | 0.75 (19.1) | 0.50 (12.7) | 0.33 (8.4) | 0.19 (4.8) | 0.19 (4.8) | - | | | |
| CHT814-10 | 7 | 0.62 (15.7) | 0.60 (15.2) | 0.37 (9.4) | 0.25 (6.4) | 0.16 (4.1) | - | - | - | 1/2 | HTC2S | |

Copper H-Tap Connectors for Copper Conductors

Copper H-Taps – Certified to 600 V 90°C Applications

- H-type compression taps
- For aluminum-to-aluminum, aluminum-to-copper and copper-to-copper stranded-conductor applications
- Concentric and compact code strandings

Exclusive FILLERLOK tab design.

Material: High-Conductivity
Wrought Aluminum



| Cat. No. | Combinations | | | Length (in.) | Die Code Cat. No. | | | | Colour Code | | | |
|---------------|--------------|----------|----------|--------------|----------------------------------|-------------------------------|-------------------------|--------------------------|-------------|---|---|-------|
| | Main | Branch | Side Tap | | TBM6-TBM6S TBM6ORS | Hydraulic TBM14M 13100A | TBM12 12-TON HEAD | TBM15I 15-TON HEAD | | | | |
| 63105† | 2-6 | 8-14 | - | 3/4 | 13474 upper 13477 lower | 15530 | TBM12D-4 | 15530* | Orange | | | |
| 63110 | 4-6 | 4-6 | | 1-1/2 | 13470 | 15501A | TBM12D-H | 15001A* | Green | | | |
| 63118 | 2/0-2 | 8-14 | | 3/4 | | | | | | | | |
| 63125 | 2/0-2 | 1/0-6 | | 1-1/2 | | | | | | | | |
| 63140 | 4/0-2/0 | 2-10 | | 8-14 | 3 | 13471 | 15502 | 15502* | Blue | | | |
| 63148• | 4/0-2/0 | 3/0-1 | | | | | | 15502 | | | | |
| 63160 | 500-4/0 | 4/0-2 | | | | | | 2-6 | 2-3/4 | - | - | 15612 |
| 63169 | 750-4/0 | 750-4/0 | - | | | | | 3 | | | | |
| 63170 | 1000-500 | 1000-1/0 | - | 6 | | | | | | | | |
| 63180 | 750-350 | 350-1/0 | 1-6 | 3 | - | - | 15620 | Black | | | | |

* Use with adaptor Cat.No.15500-TB.

† 63105 also installed by TBM5/TBM5S with 13455 die or TBM8/TBM8S with 13462 die.

• 63148 – #1 CU or AL - wire bent double (hairpin).

For Smart™ Tools Installation

63110,63118,63125: Use TBM8-750HG

63140,63148:Use TBM8-750BH

Tooling: pp. E4-E62

Die Selector Chart: pp. E35-E50



Smaller size requires less space in enclosure.
High-impact polypropylene for rugged, dependable use.



Clear, polycarbonate
(UL 94V-0) version available.

Interlocking Insulating Covers for Compression Taps

Soft Shell H-Tap/C-Tap Covers

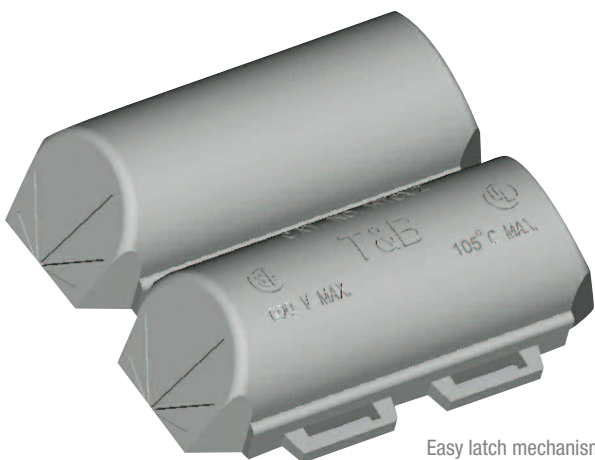
Better covers for taps!

Thomas & Betts offers an improved design for one-piece covers of H-Tap and C-Tap connectors. The new design is more size-efficient and includes an easy latch mechanism. The new covers also contain flash barriers to help protect against electrical flashovers. The covers are molded from high-impact polypropylene (UL 94V-1) and are certified to 600 V applications at 105°C UL listed.

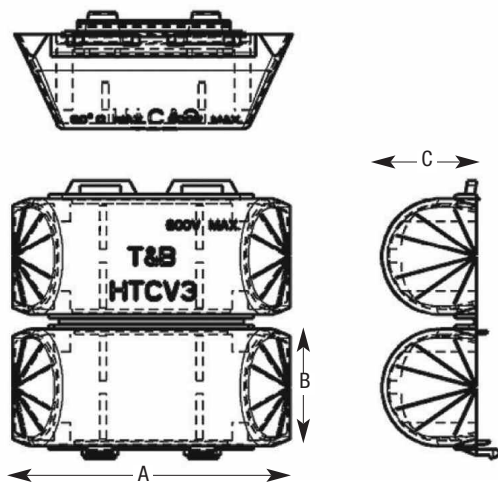
Features

- **Size-efficient design**
Won't take up as much room in the enclosure or vault, easier to store and carry to the job site.
- **Easy Latch Mechanism**
Quick but sturdy cover latch for optimum insulation.
- **Flash Barriers**
Provides protection from electrical flashovers.
- **105°C Rating**
Offers maximum performance and higher than many competitor's temperature ratings.
- **High-Impact Polypropylene**
Constructed from rugged materials for long-lasting protection.

Also available in clear, impact-resistant and flame-retardant polycarbonate (UL 94V-0). The clear version includes an internal pocket for a visible identification label without opening the cover. Consult your Regional Sales Office for shipping and availability. See HTCVC2CLRFR in table.



Easy latch mechanism



| Cat. No. | For H-Taps | For C-Taps | Dimensions in. | | | Std. Pkg. |
|------------|--|--|----------------|-------|---------|-----------|
| | | | A | B | C | |
| HTCV1 | CHT814-10 | 54705, 54710, 54715 | 1-3/4 | 7/8 | 9/16 | 5 |
| HTCV2 | CHT214-9, CHT250214-8, CHT25014-7, CHT2502-6 | 54770, 54775, 54780 | 3-3/8 | 1-1/8 | 1 | |
| HTCV3 | CHT50010-5, CHT50040-4 | 54740, 54745, 54750, 54755, 54760, 54765 | 3-27/32 | 1-5/8 | 1-5/16 | |
| HTCV4 | CHT75010-3, CHT750350-2, CHT750350-1F, CHT75040-11 | | 5-5/8 | 2 | 1-11/16 | |
| HTCV2CLRFR | CHT214-9, CHT250214-8, CHT25014-7, CHT2502-6 | - | 3-3/8 | 1-3/8 | 1 | |

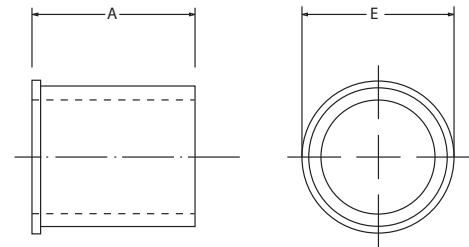
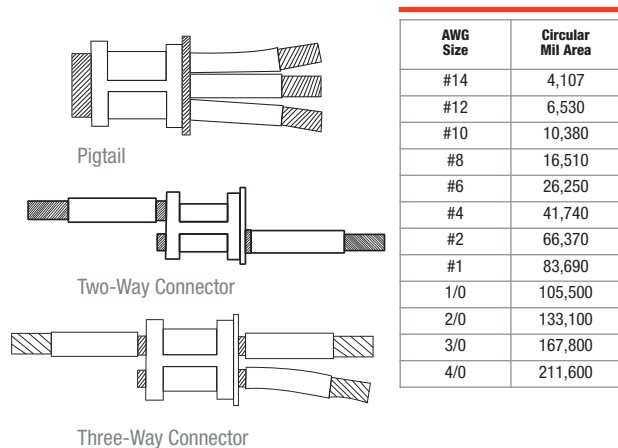
Wire Joints for Copper Conductors

Compression Wire Joints for Copper Conductors

All-around compression ensures high conductivity, low resistance and high pull-out values exceeding CSA requirements

Features

- Deal for pigtail, tapping multiple conductors or 2-way splicing
- Form a permanent installation in minimal space
- Easily insulated
- Offer lowest installed cost
- Made of high-conductivity copper and electro-tin plated
- Colour-coded dies for positive matching and compression



| Cat. No. | Conductor Range | | | | Dimensions in. (mm) | | Colour Code | Installing Hand Tools | | | | | | |
|----------|-------------------|---------|--------------------|-------------------------------|---------------------|--------------|-------------|--------------------------------------|-------------------------|-------------------------|----------------|-------|-------|-------|
| | Circular Mil Area | | Cable Combination | | A | E | | TBM25S/21E TBM4BB Die Cat. No. | TBM8/8S Die Cat. No. | TBM5/5S Die Cat. No. | TBM6 and TBM6S | | | |
| | Min. | Max. | Min. | Max. | | | | | | | Upper | Lower | | |
| 54610 | 19,590 | 27,290 | 3 #12 Sol. or Str. | 2 #10 w/1 #12 Sol. or Str. | 0.407 (10.3) | 0.370 (9.4) | Blue | Included | - | - | 13475 | 13477 | | |
| 54615 | 31,140 | 43,400 | 3 #10 Sol. or Str. | 4 #10 Sol. or Str. | 0.407 (10.3) | 0.430 (10.9) | Grey | | 13461 | 13454 | 13472 | 13476 | | |
| 54620 | 49,530 | 65,560 | 3 #8 Sol. or Str. | 1 #4 w/2 #10 Sol. or Str. | 0.417 (10.6) | 0.475 (12.1) | Brown | - | - | 13474 | - | | | |
| 54625-TB | 66,040 | 87,130 | 4 # Sol. or Str. | 1 #2 str w/2 #12 Sol. or Str. | 0.479 (12.2) | 0.545 (13.8) | Green | - | - | - | - | - | | |
| 54630 | 83,480 | 99,990 | 2 #4 Sol. or Str. | 2 #4 w/1 #10 Sol. or Str. | 0.479 (12.2) | 0.585 (14.9) | Pink | | | | 13462 | 13455 | 13475 | 13477 |
| 54635 | 99,060 | 124,220 | 6 #8 Str. | 2 #4 w/2 #8 Sol. or Str. | 0.762 (19.4) | 0.620 (15.7) | Black | - | - | - | 13474 | - | | |
| 54640 | 125,220 | 166,120 | 3 #4 Sol. or Str. | 3 #4 w/2 #10 Sol. or Str. | 0.762 (19.4) | 0.695 (17.7) | Orange | | | | - | - | - | - |
| 54645-TB | 166,960 | 193,630 | 4 #4 Sol. or Str. | 2 #1 w/2 #10 Sol. or Str. | 0.824 (20.9) | 0.770 (19.6) | Purple | | | | 13463 | 13456 | 13475 | - |
| 54650 | 189,190 | 244,020 | 3 #2 Str. | 2 #1/0 w/2 #8 Str. | 0.887 (22.5) | 0.830 (21.1) | Yellow | - | - | 13473 | 13476 | | | |

Hand tools only.
Tooling: pp. E4-E62
Die Selector Chart: pp. E35-E50

Cast Copper Bus Taps for Copper Conductors

Heavy-Duty Bus Bar Taps – Certified to 600 V and Recommended up to 35 kV[‡] Applications

Clamps onto bus bar – No drilling required

Features

- For bus bars up to 1/4 in. thick, 3-6 in. wide and code copper cable
- Take up less than 1-1/4 in. of bus bar space
- Convex shape of connector tongue exerts great contact pressure on bus bar
- Install with hydraulic tools and hex crimp dies

Material: High-Conductivity Cast Copper Alloy
Finish: Electro-Tin Plated
Contact Material: Beryllium Copper

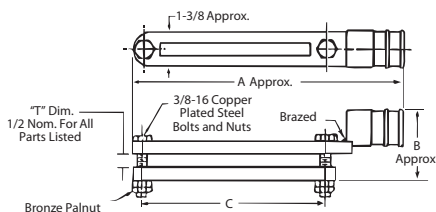


Figure 1

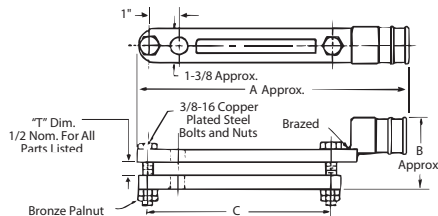


Figure 2

| Cat. No. | Wire Size | | Fig. No. | Busbar Width | Dimensions in. (mm) | | | Die Code | |
|--------------|------------|--------------|----------|--------------|---------------------|-------------|--------------|----------|-----|
| | Code Cable | Flex | | | A | B | C | | |
| 251-31446-1 | 1/0 | 225/24 | 1 | 3 | 6.12 (155.4) | 2.28 (57.9) | 3.50 (88.9) | 66H | |
| 251-31446-7 | | | | 4 | 7.12 (180.8) | 2.28 (57.9) | 4.50 (114.3) | | |
| 251-31446-13 | 2/0 | 1/0, 275/24 | 2 | 5 or 6 | 9.12 (231.6) | 2.28 (57.9) | 6.38 (162.1) | | |
| 251-31446-8 | | | | 4 | 7.12 (180.8) | 2.28 (57.9) | 4.50 (114.3) | | |
| 251-31446-14 | 4/0 | 450/24 | 2 | 5 or 6 | 9.12 (231.6) | 2.28 (57.9) | 6.38 (162.1) | | |
| 251-31446-23 | | | | 3 | 6.12 (155.4) | 2.28 (57.9) | 3.50 (88.9) | | |
| 251-31446-22 | 250 kcmil | 4/0, 550/24 | 1 | 4 | 7.12 (180.8) | 2.28 (57.9) | 4.50 (114.3) | | |
| 251-31446-19 | | | | 6 | 9.12 (231.6) | 2.28 (57.9) | 6.44 (163.6) | | |
| 251-31446-29 | 350 kcmil | 4/0, 550/24 | 1 | 3 | 5.68 (144.3) | 2.28 (57.9) | 3.38 (85.9) | | 99H |
| 251-31446-30 | | | | 4 | 7.12 (180.8) | 2.28 (57.9) | 4.50 (114.3) | | |
| 251-31446-31 | 500 kcmil | 350, 925/24 | 2 | 5 or 6 | 9.12 (231.6) | 2.28 (57.9) | 6.38 (162.1) | | |
| 251-31446-3 | | | | 3 | 6.63 (168.4) | 2.56 (65.0) | 3.50 (88.9) | | |
| 251-31446-9 | 600 kcmil | 750, 1925/24 | 1 | 4 | 7.63 (193.8) | 2.56 (65.0) | 4.50 (114.3) | | |
| 251-31446-15 | | | | 5 or 6 | 9.63 (244.6) | 2.56 (65.0) | 6.38 (162.1) | | |
| 251-31446-4 | 700 kcmil | 500, 1325/24 | 2 | 3 | 6.63 (168.4) | 2.56 (65.0) | 3.50 (88.9) | 112H | |
| 251-31446-10 | | | | 4 | 7.63 (193.8) | 2.56 (65.0) | 4.50 (114.3) | | |
| 251-31446-16 | 750 kcmil | 500, 1325/24 | 1 | 5 or 6 | 9.63 (244.6) | 2.56 (65.0) | 6.38 (162.1) | | |
| 251-31446-17 | | | | 6 | 9.75 (247.7) | 2.75 (69.9) | 6.38 (162.1) | | |
| 251-31446-21 | 750 kcmil | 500, 1325/24 | 2 | 6 | 9.75 (247.7) | 2.75 (69.9) | 6.44 (163.6) | | |
| 251-31446-6 | | | | 3 | 6.75 (171.5) | 2.75 (69.9) | 3.50 (88.9) | | |
| 251-31446-12 | 750 kcmil | 500, 1325/24 | 1 | 4 | 7.75 (196.6) | 2.75 (69.9) | 4.50 (114.3) | | |
| 251-31446-18 | | | | 5 or 6 | 9.75 (247.7) | 2.75 (69.9) | 6.38 (162.1) | | |
| 251-31446-36 | – | 750, 1925/24 | 2 | 5 or 6 | 9.75 (247.7) | 2.75 (69.9) | 6.44 (163.6) | | |

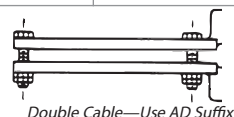
Styles shown have cable tap on one portion of clamp assembly. Clamp assemblies with cable taps on both portions (top and bottom identical) are also available. These assemblies are identified by adding suffix "AD" to catalogue numbers shown (example: 251-31446-1AD).

Only one hydraulic tools with hex crimp dies TBM12.

‡ For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements.

Tooling: pp. E4–E62

Die Selector Chart: pp. E35–E50



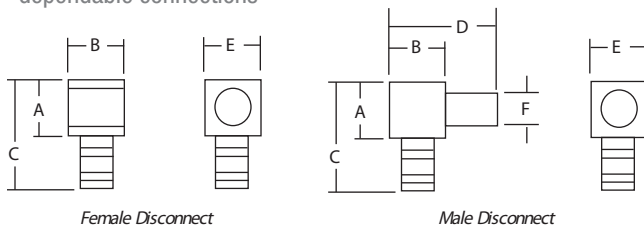
Motor Pigtail Connectors

One Line to One Load (two wires)

Quick, reliable change-out of electric motors with no bolting, taping or loose connections

Features

- Complete line of motor lead disconnects for 600 V and 5 kV applications, covering wire range from #16 through 4/0 AWG
- Fast, snap-together assembly offers maximum labor savings
- No need for nuts, bolts and washers or insulating tape – simply slide on reusable boot
- Total assembly fits into tight motor housings
- Quick disconnect – no knife cutting of melted tape, eliminating the risk of accidental cutting of wire insulation, resulting motor downtime and installer exposure
- Meet or exceed electrical and mechanical performance of bolted connections
- Constructed of high-conductivity copper with tin-plating
- Female disconnects equipped with beryllium copper interface band for dependable connections



| Cat. No. Certified to 600 V | | Wire Size | Body Size | Colour Code | Boot insulation | Dimensions in. (mm) | | | | | | Strip Length (in.) |
|-----------------------------|-----------------|-----------|-----------|-------------|-----------------|---------------------|-------------|-------------|-------------|-------------|-------------|--------------------|
| Female Disconnect | Male Disconnect | | | | | A | B | C | D | E | F | |
| MD1614F-0 | MD1614M-0 | 16-14 AWG | 0 | Blue | MDBOOT-0 | 0.25 (6.4) | 0.25 (6.4) | 0.63 (16.0) | 0.52 (13.2) | 0.25 (6.4) | 0.13 (3.2) | 3/8 |
| MD1614F-1 | MD1614M-1 | | 1 | | MDBOOT-1 | 0.38 (9.7) | 0.38 (9.7) | 0.78 (19.8) | 0.75 (19.1) | 0.38 (9.7) | 0.25 (6.4) | |
| MD1210F-1 | MD1210M-1 | 12-10 AWG | 1 | Yellow | MDBOOT-1 | 0.38 (9.7) | 0.35 (8.9) | 0.78 (19.8) | 0.75 (19.1) | 0.38 (9.7) | 0.25 (6.4) | 7/16 |
| MD1210F-2 | MD1210M-2 | | 2 | | MDBOOT-2 | 0.50 (12.7) | 0.50 (12.7) | 0.90 (22.9) | 1.00 (25.4) | 0.50 (12.7) | 0.37 (9.4) | |
| MD8F-1 | MD8M-1 | 8 AWG | 1 | Red | MDBOOT-1 | 0.38 (9.7) | 0.38 (9.7) | 0.82 (20.8) | 0.75 (19.1) | 0.38 (9.7) | 0.25 (6.4) | 1/2 |
| MD8F-2 | MD8M-2 | | 2 | | MDBOOT-2 | 0.50 (12.7) | 0.50 (12.7) | 0.95 (24.1) | 1.00 (25.4) | 0.50 (12.7) | 0.37 (9.4) | |
| MD6F-1 | MD6M-1 | 6 AWG | 1 | Blue | MDBOOT-1 | 0.38 (9.7) | 0.38 (9.7) | 0.88 (22.4) | 0.75 (19.1) | 0.38 (9.7) | 0.25 (6.4) | 17/32 |
| MD6F-2 | MD6M-2 | | 2 | | MDBOOT-2 | 0.50 (12.7) | 0.50 (12.7) | 1.02 (30.5) | 1.00 (25.4) | 0.50 (12.7) | 0.37 (9.4) | |
| MD4F-2 | MD4M-2 | 4 AWG | 2 | Grey | MDBOOT-2 | 0.50 (12.7) | 0.50 (12.7) | 1.03 (40.6) | 1.00 (25.4) | 0.50 (12.7) | 0.37 (9.4) | 9/16 |
| MD2F-2 | MD2M-2 | 2 AWG | 2 | Brown | MDBOOT-2 | 0.50 (12.7) | 0.50 (12.7) | 1.09 (48.3) | 1.00 (25.4) | 0.50 (12.7) | 0.37 (9.4) | |
| MD2F-3 | MD2M-3 | | 3 | | MDBOOT-3 | 0.88 (22.4) | 0.88 (22.4) | 1.46 (37.1) | 1.75 (44.5) | 0.88 (22.4) | 0.50 (12.7) | |
| MD1F-2 | MD1M-2 | 1 AWG | 2 | Green | MDBOOT-2 | 0.50 (12.7) | 0.50 (12.7) | 1.23 (31.2) | 1.00 (25.4) | 0.50 (12.7) | 0.37 (9.4) | 5/8 |
| MD1F-3 | MD1M-3 | | 3 | | MDBOOT-3 | 0.88 (22.4) | 0.88 (22.4) | 1.56 (39.6) | 1.75 (44.5) | 0.88 (22.4) | 0.50 (12.7) | |
| MD10F-3 | MD10M-3 | 1/0 AWG | 3 | Pink | MDBOOT-3 | 0.88 (22.4) | 0.88 (22.4) | 1.56 (39.6) | 1.75 (44.5) | 0.88 (22.4) | 0.50 (12.7) | 11/16 |
| MD20F-3 | MD20M-3 | 2/0 AWG | | | | 0.88 (22.4) | 0.88 (22.4) | 1.59 (40.4) | 1.75 (44.5) | 0.88 (22.4) | 0.50 (12.7) | |
| MD30F-3 | MD30M-3 | 3/0 AWG | 4 | Black | MDBOOT-3 | 0.88 (22.4) | 0.88 (22.4) | 1.71 (43.4) | 1.75 (44.5) | 0.88 (22.4) | 0.50 (12.7) | 3/4 |
| MD40F-3 | MD40M-3 | 4/0 AWG | | | | 0.88 (22.4) | 0.88 (22.4) | 1.81 (46.0) | 1.75 (44.5) | 0.88 (22.4) | 0.50 (12.7) | |
| MD40F-4 | MD40M-4 | 4/0 AWG | 4 | Orange | MDBOOT-4 | 1.25 (31.8) | 1.25 (31.8) | 2.89 (73.4) | 2.69 (68.3) | 1.25 (31.8) | 0.81 (22.4) | - |
| MD250F-4 | MD250M-4 | | | | | 250 kcmil | 1.25 (31.8) | 1.25 (31.8) | 2.89 (73.4) | 2.69 (68.3) | 1.25 (31.8) | |
| MD350F-4 | MD350M-4 | 350 kcmil | 4 | Purple | MDBOOT-4 | 1.25 (31.8) | 1.25 (31.8) | 2.89 (73.4) | 2.69 (68.3) | 1.25 (31.8) | 0.81 (22.4) | - |
| MD500F-4 | MD500M-4 | 500 kcmil | | | | 1.25 (31.8) | 1.25 (31.8) | 2.89 (73.4) | 2.69 (68.3) | 1.25 (31.8) | 0.81 (22.4) | |

Kits: page E60
Tooling: pp. E4-E62
Die Selector Chart: pp. E35-E50



Material: High-Conductivity Copper
Finish: Tin-Plated
Insulator: Thermoplastic Elastomer
Contact Material: Beryllium Copper

Motor Pigtail Connectors

One Line to One Load (two wires) (cont'd)

Quick, easy installation!

- 1 Choose appropriate Color-Keyed® disconnect for conductor size to be terminated. Note colour of bands on disconnect barrel.
- 2 Select proper installing die by matching colour code to disconnect barrel colour bands.
- 3 Install die in T&B tool, insert stripped wire into barrel of disconnect and compress between colour bands. Repeat for mating half.
- 4 Snap the two halves together and slip on insulator over mated connection. Secure insulator with Ty-Rap® cable ties provided with the insulators.



600 V Version



5 kV Version



| Cat. No. Certified to 600 V | | WT112M WT111M WT2000 ERG2002 | TBM25S TBM20S | Installing Tools | | | | | |
|--------------------------------|-----------------|---------------------------------------|------------------|----------------------|-----------|---------------|---------------|---|-------------|
| | | | | TBM6, TBM6S, TBM60RS | | TBM5 TBM5S | TBM8 TBM8S | Hydraulic Tools and TBM50S Hand Tool | |
| | | | | Upper Die | Lower Die | Die Set | Die Set | Die Code | Colour Code |
| Female Disconnect | Male Disconnect | | | | | | | | |
| MD1614F-0 | MD1614M-0 | X | - | - | - | - | - | - | - |
| MD1614F-1 | MD1614M-1 | | | | | | | | |
| MD1210F-1 | MD1210M-1 | | | | | | | | |
| MD1210F-2 | MD1210M-2 | | | | | | | | |
| MD8F-1 | MD8M-1 | - | - | - | - | - | - | - | - |
| MD8F-2 | MD8M-2 | | | | | | | | |
| MD6F-1 | MD6M-1 | | | | | | | | |
| MD6F-2 | MD6M-2 | | | | | | | | |
| MD4F-2 | MD4M-2 | | | | | | | | |
| MD2F-2 | MD2M-2 | | | | | | | | |
| MD2F-3 | MD2M-3 | - | - | - | - | - | - | - | - |
| MD1F-2 | MD1M-2 | | | | | | | | |
| MD1F-3 | MD1M-3 | | | | | | | | |
| MD10F-3 | MD10M-3 | | | | | | | | |
| MD20F-3 | MD20M-3 | | | | | | | | |
| MD30F-3 | MD30M-3 | | | | | | | | |
| MD40F-3 | MD40M-3 | | | | | | | | |

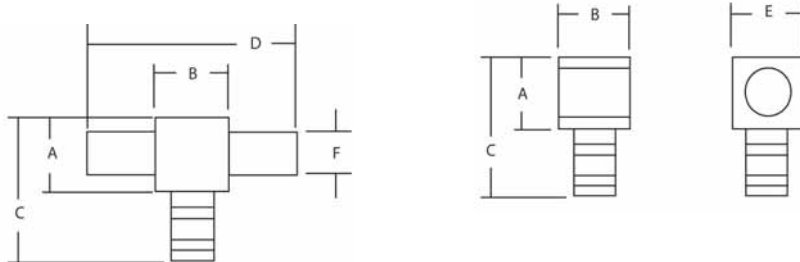
Specifications:
 Wire Range: No. 16 to 4/0 AWG.
 Rating: 600 V, 90°C.

Tooling: pp. E4-E62
 Die Selector Chart: pp. E35-E50

Motor Pigtail Connectors

One Line to Two Load (three wires)

- KON-TOUR™ louvered contact bands
- Colour-coded to match installing dies



Material: High-Conductivity Wrought Copper
Finish: Electro-Tin Plated
Contact Material: Beryllium Copper



| Cat. No. Certified to 600 V | | Wire Size | Body Size | Colour Code | Boot Insulation | Dimensions in. (mm) | | | | | | Strip Length (in.) |
|-----------------------------|-----------------|-----------|-----------|-------------|-----------------|---------------------|-------------|-------------|-------------|-------------|-------------|--------------------|
| Female Disconnect | Male Disconnect | | | | | A | B | C | D | E | F | |
| MD1614F-0 | M2D1614M-0 | 16-14 AWG | 0 | Blue | MDBOOT-1 | 0.25 (6.4) | 0.25 (6.4) | 0.63 (16.0) | 0.52 (13.2) | 0.25 (6.4) | 0.13 (3.3) | 3/8 |
| MD1614F-1 | M2D1614M-1 | | 1 | | | 0.38 (9.7) | 0.38 (9.7) | 0.78 (19.8) | 0.75 (19.1) | 0.38 (9.7) | 0.25 (6.4) | |
| MD1210F-1 | M2D1210M-1 | 12-10 AWG | 1 | Yellow | MDBOOT-2 | 0.38 (9.7) | 0.35 (8.9) | 0.78 (19.8) | 0.75 (19.1) | 0.38 (9.7) | 0.25 (6.4) | |
| MD1210F-2 | M2D1210M-2 | | 2 | | | 0.50 (12.7) | 0.50 (12.7) | 0.90 (22.9) | 1.00 (25.4) | 0.50 (12.7) | 0.37 (9.4) | |
| MD8F-1 | M2D8M-1 | 8 AWG | 1 | Red | MDBOOT-1 | 0.38 (9.7) | 0.38 (9.7) | 0.82 (20.8) | 0.75 (19.1) | 0.38 (9.7) | 0.25 (6.4) | 7/16 |
| MD8F-2 | M2D8M-2 | | 2 | | | 0.50 (12.7) | 0.50 (12.7) | 0.95 (24.1) | 1.00 (25.4) | 0.50 (12.7) | 0.37 (9.4) | |
| MD6F-1 | M2D6M-1 | 6 AWG | 1 | Blue | MDBOOT-1 | 0.38 (9.7) | 0.38 (9.7) | 0.88 (22.4) | 0.75 (19.1) | 0.38 (9.7) | 0.25 (6.4) | 1/2 |
| MD6F-2 | M2D6M-2 | | 2 | | | 0.50 (12.7) | 0.50 (12.7) | 1.02 (25.9) | 1.00 (25.4) | 0.50 (12.7) | 0.37 (9.4) | |
| MD4F-2 | M2D4M-2 | 4 AWG | 2 | Grey | MDBOOT-2 | 0.50 (12.7) | 0.50 (12.7) | 1.03 (26.2) | 1.00 (25.4) | 0.50 (12.7) | 0.37 (9.4) | 17/32 |
| MD2F-2 | M2D2M-2 | | | | | 3 | 0.50 (12.7) | 0.50 (12.7) | 1.09 (27.7) | 1.00 (25.4) | 0.50 (12.7) | |
| MD2F-3 | M2D2M-3 | 2 AWG | 3 | Brown | MDBOOT-3 | 0.88 (22.4) | 0.88 (22.4) | 1.46 (37.1) | 1.75 (44.5) | 0.88 (22.4) | 0.50 (12.7) | 9/16 |
| MD1F-2 | M2D1M-2 | | | | | 2 | 0.50 (12.7) | 0.50 (12.7) | 1.23 (31.2) | 1.00 (25.4) | 0.50 (12.7) | |
| MD1F-3 | M2D1M-3 | 1 AWG | 3 | Green | MDBOOT-2 | 0.88 (22.4) | 0.88 (22.4) | 1.56 (39.6) | 1.75 (44.5) | 0.88 (22.4) | 0.50 (12.7) | 5/8 |
| MD10F-3 | M2D10M-3 | | | | | 1/0 AWG | 0.88 (22.4) | 0.88 (22.4) | 1.56 (39.6) | 1.75 (44.5) | 0.88 (22.4) | |
| MD20F-3 | M2D20M-3 | 2/0 AWG | 3 | Black | MDBOOT-3 | 0.88 (22.4) | 0.88 (22.4) | 1.59 (40.4) | 1.75 (44.5) | 0.88 (22.4) | 0.50 (12.7) | 11/16 |
| MD30F-3 | M2D30M-3 | | | | | 3/0 AWG | 0.88 (22.4) | 0.88 (22.4) | 1.71 (43.4) | 1.75 (44.5) | 0.88 (22.4) | |
| MD40F-3 | M2D40M-3 | 4/0 AWG | 3 | Purple | MDBOOT-3 | 0.88 (22.4) | 0.88 (22.4) | 1.81 (46.0) | 1.75 (44.5) | 0.88 (22.4) | 0.50 (12.7) | 3/4 |

Operating Range: 600 V max., 1000 V max. in signs and fixtures.
 Listing: UL Listed and CSA Certified for 12/8 AWG solid copper conductors and stranded copper conductors in the sizes shown.
 Selection: Always use the same body size when selecting male and female disconnects.
 For example: to connect a 2 AWG male to an #8 AWG female, select cat. no. M2DM-2 and MD8F-2. Both have body size 2.
 Insulation: Use insulating boots matching the disconnect body size as indicated in the chart.
 To protect the connection from moisture and dirt, use sealing compound cat. no. MDBOOT-SEAL.
 Tooling: pp. E4-E62
 Die Selector Chart: pp. E35-E50



Motor Pigtail Connectors

5 kV Motor Pigtail Connectors Supplied with Boot, Pin, Silicon Gel (Two Female Connectors Required) *

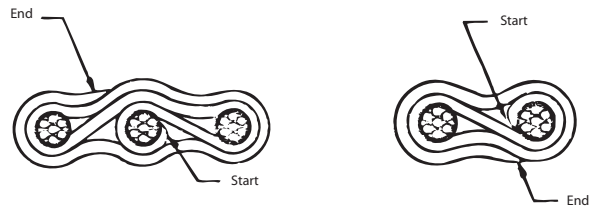


| Cat. No. | Wire Range AWG | Female Disconnect Cat. No. | Colour Code | Dimensions in. (mm) | | | Body Size |
|--|----------------|----------------------------|-------------|---------------------|-------------|-------------|-----------|
| | | | | L | W | H | |
| 5KVB00T-2L (connection pin for two female connectors included) | #8 | MD8F-2 | Red | 4.50 (114.3) | 2.25 (57.2) | 1.44 (36.6) | 2 |
| | #6 | MD6F-2 | Blue | | | | |
| | #4 | MD4F-2 | Grey | | | | |
| | #2 | MD2F-2 | Brown | | | | |
| 5KVB00T-3L (connection pin for two female connectors included) | #1 | MD1F-2 | Green | 4.50 (114.3) | 2.25 (57.2) | 1.44 (36.6) | 3 |
| | #2 | MD2F-3 | Brown | | | | |
| | #1 | MD1F-3 | Green | | | | |
| | 1/0 | MD10F-3 | Pink | | | | |
| | 2/0 | MD20F-3 | Black | | | | |
| | 3/0 | MD30F-3 | Orange | | | | |
| 4/0 | MD40F-3 | Purple | | | | | |

* Male pin supplied will fit all ranges and combinations of wire sizes per body size.

Sealing for motor-disconnect boots

Sealant



Technical Specifications

- Description: Polybutene Compound
- Application Temperature: 4°C to 38°C (40°F to 100°F)
- Service Temperature: -40°C to 82°C (-40°F to 180°F)
- Dimensions: Width 1 in., Thickness 1/8 in., Length (std. roll) 10 ft., wrapped on release liner
- Environmental Resistance: Resists normal aging process
- Chemical Resistance: Resists acids, bases and alcohols
- Dielectric Strength: 200 V/mil minimum
- Volume Resistivity: 1013 ohms/cm
- Flame Retardancy: Passed VO Vertical Flame Test

Sealant should be used with T&B motor-disconnect boots: MDBOOT-0, MDBOOT-1, MDBOOT-2 and MDBOOT-3.

The cable should be clean and free of grease and other foreign substances. Apply two layers around each cable at the same distance from the connector. Slide the assembly into boot, apply Ty-Rap® cable ties and work sealant around wires at end of boot to eliminate voids.

| Cat. No. | Description |
|--------------------|-------------|
| MDBOOT-SEAL | Sealant |

For watertight applications, consult your Regional Sales Office for informations.

Silicone Lubricant for High Voltage Electrical Work



| Cat. No. | Size | Std. Pkg. |
|-------------|-----------------|-----------|
| 2015 | 5 grams | 100 tubes |
| SL5 | 5 oz./142 grams | 12 tubes |

KUBE™ Connectors

Flag and Tee Connectors

A cost-saving breakthrough in 90° and T-connections

Finally there's a fast, easy and affordable way to make those 90° and T electrical connections whenever and wherever you need them. Color-Keyed® Flags and Tees are designed — and CSA/UL approved — to be used with standard Color-Keyed® lugs and splices from #8 through 4/0 AWG in field-assembled configurations. Now you don't need to use high-cost flexible conductor for connections requiring 90° bending radius or expensive brazed or welded connectors for T connections! Insulated with custom-fit, halogen-free polypropylene for safety and performance, Color-Keyed® Flags and Tees are available in bulk quantities for OEM applications and in a convenient kit for field use.

- Offers lowest installed cost for the application
- Versatile, modular design enables thousands of field-constructible connection possibilities, including multi-circuit configurations
- CSA Certified and UL Listed for field installation
- Insulated for fast, safe termination and installation
- Used with standard Color-Keyed® lugs and splices
- Colour coded for easy selection of correct crimping die and easy Certification of proper crimp
- Constructed from high-conductivity, low-resistance 99.9% pure wrought copper for optimum electrical performance
- Tin-plated for corrosion resistance and excellent contact



Technical Specifications

- Connector: Tin-plated copper
- Insulation: Halogen-free polypropylene
- Standards: CSA Certified and UL Listed



| Cat. No. | Wire Size (AWG) | Insulator | Std. Pkg. Qty. |
|--------------|-----------------|-----------|----------------|
| Flags | | | |
| FLAG1614 | #16-14 | F-INSUL-0 | 20 |
| FLAG1210 | #12-10 | | |
| FLAG8 | #8 | F-INSUL-1 | 10 |
| FLAG6 | #6 | | |
| FLAG4 | #4 | | |
| FLAG2 | #2 | F-INSUL-2 | 6 |
| FLAG1 | #1 | | |
| FLAG10 | 1/0 | F-INSUL-3 | 3 |
| FLAG20 | 2/0 | | |
| FLAG30 | 3/0 | | |
| FLAG40 | 4/0 | | |

| Cat. No. | Wire Size (AWG) | Insulator | Std. Pkg. Qty. |
|-------------|-----------------|-----------|----------------|
| Tees | | | |
| TEE1614 | #16-14 | - | 20 |
| TEE1210 | #12-10 | | |
| TEE8 | #8 | - | 10 |
| TEE6 | #6 | | |
| TEE4 | #4 | | |
| TEE2 | #2 | - | 6 |
| TEE1 | #1 | | |
| TEE10 | 1/0 | - | 3 |
| TEE20 | 2/0 | | |
| TEE30 | 3/0 | | |
| TEE40 | 4/0 | | |

Flag and Tee connectors

Make on-site custom electrical connections in:

- 90° lugs (lugs can rotate 360°)
- 90° splices
- T-lugs
- T-splices
- Countless connection possibilities using any straight or angled lug from 15° to 90° (lugs can rotate 360° for easy positioning)



| Cat. No. | Wire Size (AWG) | Std. Pkg. Qty. |
|------------------------|----------------------------|----------------|
| Flag Insulators | | |
| F-INSUL-0 | For #16-10 AWG | 20/200 |
| F-INSUL-1 | For #8, #6 AWG | 10/100 |
| F-INSUL-2 | For #4, #2, #1 AWG | 6/60 |
| F-INSUL-3 | For 1/0, 2/0, 3/0, 4/0 AWG | 3/30 |

Flag & Tee Kit Contents:

- Steel carrying case
- TBM45S crimp tool
- 25 each #8, #6 and #4 AWG flag bodies
- 25 each #8, #6 and #4 AWG one-hole lugs
- 10 each #2, #1, 1/0, 2/0, 3/0 and 4/0 AWG flag bodies
- 10 each #2, #1, 1/0, 2/0, 3/0 and 4/0 AWG one-hole lugs
- 50 size 1 flag insulators
- 45 size 2 flag insulators
- 40 size 3 flag insulators
- 10 each #8 and #6 AWG tee bodies
- 20 each #8 and #6 AWG two-way splices
- 6 each #4, #2 and #1 AWG tee bodies
- 12 each #4, #2 and #1 AWG two-way splices
- 3 each 1/0, 2/0, 3/0 and 4/0 AWG tee bodies
- 6 each 1/0, 2/0, 3/0 and 4/0 AWG two-way splices



| Cat. No. | Description | Std. Pkg. Qty. |
|-------------------------|------------------|----------------|
| Flag and Tee Kit | | |
| FLAGTEEKIT | Flag and Tee Kit | 1 |

Connectors for Aluminum/Copper Code Conductors

One-Hole Lugs

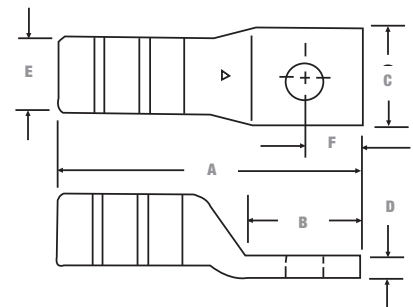


| Cat. No. | Cable Size Al-Cu | Bolt Size (in.) | Dimensions in. (mm) | | | | | | Die Code | Colour Code |
|----------|------------------|-----------------|---------------------|-------------|-------------|-------------|-------------|-------------|----------|-------------|
| | | | A | B | C | D | E | F | | |
| 60096 | #10 | #10 | 1.09 (27.7) | 0.56 (14.2) | 0.41 (10.4) | 0.06 (1.5) | 0.27 (6.9) | 0.22 (5.6) | 21 | Red |
| 60097 | | 1/4 | 1.31 (33.3) | 0.72 (18.3) | 0.43 (10.9) | 0.07 (1.8) | 0.27 (6.9) | 0.34 (8.6) | | |
| 60099 | | 3/8 | 1.53 (38.9) | 0.93 (23.6) | 0.58 (14.7) | 0.06 (1.5) | 0.27 (6.9) | 0.44 (11.2) | | |
| 60101-TB | #8 | #10 | 1.22 (31.0) | 0.56 (14.2) | 0.41 (10.4) | 0.09 (2.3) | 0.28 (7.1) | 0.22 (5.6) | 24 | Blue |
| 60102-TB | | 1/4 | 1.38 (35.1) | 0.71 (18.0) | 0.44 (11.2) | 0.09 (2.3) | 0.28 (7.1) | 0.34 (8.6) | | |
| 60103-TB | | 5/16 | 1.56 (39.6) | 0.91 (23.1) | 0.60 (15.2) | 0.06 (1.5) | 0.28 (7.1) | 0.44 (11.2) | | |
| 60104-TB | #6 | 3/8 | 1.60 (40.6) | 0.93 (23.6) | 0.60 (15.2) | 0.06 (1.5) | 0.28 (7.1) | 0.44 (11.2) | 29 | Grey |
| 60106-TB | | #10 | 1.52 (38.6) | 0.59 (15.0) | 0.47 (11.9) | 0.13 (3.3) | 0.35 (8.9) | 0.22 (5.6) | | |
| 60107-TB | | 1/4 | 1.67 (42.4) | 0.75 (19.1) | 0.47 (11.9) | 0.13 (3.3) | 0.35 (8.9) | 0.34 (8.6) | | |
| 60108-TB | #4 | 5/16 | 1.83 (46.5) | 0.91 (23.1) | 0.63 (16.0) | 0.09 (2.3) | 0.35 (8.9) | 0.44 (11.2) | 37 | Green |
| 60109-TB | | 3/8 | 1.86 (47.2) | 0.93 (23.6) | 0.63 (16.0) | 0.09 (2.3) | 0.35 (8.9) | 0.44 (11.2) | | |
| 60112-TB | | 1/4 | 1.81 (46.0) | 0.75 (19.1) | 0.64 (16.3) | 0.19 (4.8) | 0.46 (11.7) | 0.34 (8.6) | | |
| 60113-TB | #2 | 5/16 | 2.00 (50.8) | 0.91 (23.1) | 0.64 (16.3) | 0.19 (4.8) | 0.46 (11.7) | 0.44 (11.2) | 42 | Pink |
| 60116-TB | | 1/4 | 1.91 (48.5) | 0.75 (19.1) | 0.72 (18.3) | 0.19 (4.8) | 0.51 (13.0) | 0.34 (8.6) | | |
| 60117-TB | | 5/16 | 2.06 (52.3) | 0.91 (23.1) | 0.72 (18.3) | 0.19 (4.8) | 0.51 (13.0) | 0.44 (11.2) | | |
| 60118-TB | #1 | 3/8 | 2.09 (53.1) | 0.93 (23.6) | 0.72 (18.3) | 0.19 (4.8) | 0.51 (13.0) | 0.44 (11.2) | 45 | Gold |
| 60120 | | 1/2 | 2.25 (57.2) | 1.41 (35.8) | 0.88 (22.4) | 0.19 (4.8) | 0.51 (13.0) | 0.69 (17.5) | | |
| 60122 | | 1/4 | 2.30 (58.4) | 0.81 (20.6) | 0.75 (19.1) | 0.19 (4.8) | 0.56 (14.2) | 0.34 (8.6) | | |
| 60123 | 1/0 | 5/16 | 2.39 (60.7) | 0.91 (23.1) | 0.75 (19.1) | 0.19 (4.8) | 0.56 (14.2) | 0.44 (11.2) | 50 | Tan |
| 60124 | | 3/8 | 2.42 (61.5) | 0.93 (23.6) | 0.75 (19.1) | 0.19 (4.8) | 0.56 (14.2) | 0.44 (11.2) | | |
| 60126 | | 1/2 | 2.89 (73.4) | 1.41 (35.8) | 0.88 (22.4) | 0.16 (4.1) | 0.56 (14.2) | 0.69 (17.5) | | |
| 60128 | 2/0 | 1/4 | 2.36 (59.9) | 0.81 (20.6) | 0.88 (22.4) | 0.19 (4.8) | 0.62 (15.7) | 0.34 (8.6) | 54 | Olive |
| 60129 | | 5/16 | 2.51 (63.8) | 0.97 (24.6) | 0.88 (22.4) | 0.19 (4.8) | 0.62 (15.7) | 0.44 (11.2) | | |
| 60130 | | 3/8 | 2.51 (63.8) | 0.97 (24.6) | 0.88 (22.4) | 0.19 (4.8) | 0.62 (15.7) | 0.44 (11.2) | | |
| 60132 | 3/0 | 1/2 | 2.95 (74.9) | 1.41 (35.8) | 0.94 (23.9) | 0.19 (4.8) | 0.62 (15.7) | 0.69 (17.5) | 60 | Ruby |
| 60134 | | 1/4 | 2.48 (63.0) | 0.87 (22.1) | 0.97 (24.6) | 0.22 (5.6) | 0.70 (17.8) | 0.34 (8.6) | | |
| 60135 | | 5/16 | 2.64 (67.1) | 1.03 (26.2) | 0.97 (24.6) | 0.22 (5.6) | 0.70 (17.8) | 0.44 (11.2) | | |
| 60136 | 4/0 | 3/8 | 2.64 (67.1) | 1.03 (26.2) | 0.97 (24.6) | 0.22 (5.6) | 0.70 (17.8) | 0.44 (11.2) | 66 | White |
| 60138 | | 1/2 | 3.10 (78.7) | 1.41 (35.8) | 1.03 (26.2) | 0.22 (5.6) | 0.70 (17.8) | 0.69 (17.5) | | |
| 60140 | | 1/4 | 2.58 (65.5) | 0.87 (22.1) | 1.06 (26.9) | 0.22 (5.6) | 0.77 (19.6) | 0.34 (8.6) | | |
| 60141 | 250 kcmil | 5/16 | 2.83 (71.9) | 1.09 (27.7) | 1.06 (26.9) | 0.22 (5.6) | 0.77 (19.6) | 0.44 (11.2) | 71 | Red |
| 60142 | | 3/8 | 2.83 (71.9) | 1.09 (27.7) | 1.06 (26.9) | 0.22 (5.6) | 0.77 (19.6) | 0.44 (11.2) | | |
| 60144 | | 1/2 | 3.15 (80.0) | 1.41 (35.8) | 1.06 (26.9) | 0.22 (5.6) | 0.77 (19.6) | 0.69 (17.5) | | |
| 60147 | 300 kcmil | 5/16 | 3.53 (89.7) | 0.88 (22.4) | 1.21 (30.7) | 0.25 (6.4) | 0.86 (21.8) | 0.38 (9.7) | 76 | Blue |
| 60148 | | 3/8 | 3.59 (91.2) | 0.93 (23.6) | 1.21 (30.7) | 0.25 (6.4) | 0.86 (21.8) | 0.38 (9.7) | | |
| 60150 | | 1/2 | 3.90 (99.1) | 1.25 (31.8) | 1.21 (30.7) | 0.25 (6.4) | 0.86 (21.8) | 0.50 (12.7) | | |
| 60151 | 350 kcmil | 5/8 | 4.65 (118.1) | 2.00 (50.8) | 1.21 (30.7) | 0.25 (6.4) | 0.86 (21.8) | 0.75 (19.0) | 87 | Brown |
| 60154 | | 3/8 | 3.73 (94.7) | 0.93 (23.6) | 1.29 (32.8) | 0.27 (6.9) | 0.92 (23.4) | 0.38 (9.7) | | |
| 60156 | | 1/2 | 4.05 (102.9) | 1.25 (31.8) | 1.29 (32.8) | 0.27 (6.9) | 0.92 (23.4) | 0.50 (12.7) | | |
| 60157 | 400 kcmil | 5/8 | 4.80 (121.9) | 2.00 (50.8) | 1.29 (32.8) | 0.27 (6.9) | 0.92 (23.4) | 0.75 (19.0) | 94 | Green |
| 60159 | | 5/16 | 3.75 (95.3) | 0.88 (22.4) | 1.39 (35.3) | 0.28 (7.1) | 0.99 (25.1) | 0.38 (9.7) | | |
| 60160 | | 3/8 | 3.80 (96.5) | 0.93 (23.6) | 1.39 (35.3) | 0.28 (7.1) | 0.99 (25.1) | 0.38 (9.7) | | |
| 60162 | 500 kcmil | 1/2 | 4.13 (104.9) | 1.25 (31.8) | 1.39 (35.3) | 0.28 (7.1) | 0.99 (25.1) | 0.50 (12.7) | 99 | Pink |
| 60165 | | 1/2 | 4.83 (122.7) | 1.25 (31.8) | 1.53 (38.9) | 0.33 (8.4) | 1.09 (27.7) | 0.50 (12.7) | | |
| 60166 | | 5/8 | 5.58 (141.7) | 2.00 (50.8) | 1.53 (38.9) | 0.33 (8.4) | 1.09 (27.7) | 0.75 (19.0) | | |
| 60168 | 600 kcmil | 1/2 | 4.95 (125.7) | 1.25 (31.8) | 1.65 (41.9) | 0.38 (9.7) | 1.18 (30.0) | 0.50 (12.7) | 106 | Black |
| 60171 | | 1/2 | 4.95 (125.7) | 1.25 (31.8) | 1.79 (45.5) | 0.38 (9.7) | 1.28 (32.5) | 0.50 (12.7) | | |
| 60172 | | 5/8 | 5.70 (144.8) | 2.00 (50.8) | 1.79 (45.5) | 0.38 (9.7) | 1.28 (32.5) | 0.75 (19.0) | | |
| 60174 | 700 kcmil | 5/8 | 5.83 (148.1) | 2.00 (50.8) | 1.92 (48.8) | 0.37 (9.4) | 1.36 (34.5) | 0.75 (19.0) | 112 | Purple |
| 60176 | | 5/8 | 5.95 (151.1) | 2.00 (50.8) | 2.04 (51.8) | 0.38 (9.7) | 1.44 (36.6) | 0.75 (19.0) | | |
| 60178 | | 5/8 | 6.03 (153.2) | 2.00 (50.8) | 2.13 (54.1) | 0.40 (10.2) | 1.50 (38.1) | 0.75 (19.0) | | |
| 60184 | 1000 kcmil | 5/8 | 6.78 (172.2) | 2.00 (50.8) | 2.50 (63.5) | 0.50 (12.7) | 1.77 (45.0) | 0.75 (19.0) | 140 | - |

Designed and approved for use with both aluminum and copper conductors

- For 90°C certified to 600 V and recommended up to 35 kV[‡] applications
- Easily matched to the correct Color-Keyed® installing die for positive compressions
- Hardened steel dies compress connector around cable, changing round strands to polygonal shapes and cold flowing strands and connector into a solid, homogenous mass
- Long compression areas ensure complete contact
- Multiple compressions prevent creep of aluminum conductors
- Filled with high-temperature oxide-inhibitor compound
- Electro-tin plated prevents electrolytic corrosion of copper to ensure lowest contact resistance

Material: High-Conductivity Wrought Aluminum
Finish: Electro-Tin Plated



‡ For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements.
 Tooling: pp. E4-E62
 Die Selector Chart: pp. E35-E50



Connectors for Aluminum/Copper Code Conductors

Two-Hole Lugs



Designed and approved for use with both aluminum and copper conductors

- For 90°C certified to 600 V and recommended up to 35 kV[‡] applications
- For aluminum and copper concentric conductors and compact code aluminum strandings
- Filled with oxide-inhibitor compound

Material: High-Conductivity Wrought Aluminum

Finish: Electro-Tin Plated

| Cat. No. | Cable Size | Bolt Size (in.) | Dimensions in. (mm) | | | | | | | Die Code | Colour Code |
|----------|------------|-----------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|----------|-------------|
| | | | A | B | C | D | E | F | G | | |
| 60230 | 1/0 AWG | 3/8 | 3.50 (88.9) | 1.90 (48.3) | 0.88 (22.4) | 0.19 (4.8) | 0.62 (15.7) | 0.38 (9.7) | 1.00 (25.4) | 50 | Tan |
| 60236 | 2/0 AWG | 3/8 | 3.50 (88.9) | 1.90 (48.3) | 0.97 (24.6) | 0.22 (5.6) | 0.70 (17.8) | 0.38 (9.7) | 1.00 (25.4) | 54 | Olive |
| 60238 | | 1/2 | 5.03 (127.8) | 3.41 (86.6) | 0.97 (24.6) | 0.22 (5.6) | 0.70 (17.8) | 0.75 (19.1) | 1.75 (44.5) | | |
| 60242 | 3/0 AWG | 3/8 | 3.66 (93.0) | 1.18 (30.0) | 1.06 (27.0) | 0.22 (5.6) | 0.77 (19.6) | 0.38 (9.7) | 1.00 (25.4) | 60 | Ruby |
| 60244 | | 1/2 | 5.16 (131.1) | 3.41 (86.6) | 0.06 (1.5) | 0.22 (5.6) | 0.77 (19.6) | 0.75 (19.1) | 1.75 (44.5) | | |
| 60248 | 4/0 AWG | 3/8 | 4.58 (116.3) | 1.18 (30.0) | 1.21 (30.7) | 0.25 (6.4) | 0.86 (21.8) | 0.38 (9.7) | 1.00 (25.4) | 66 | White |
| 60250 | | 1/2 | 5.65 (143.5) | 3.41 (86.6) | 1.21 (30.7) | 0.25 (6.4) | 0.86 (21.8) | 0.50 (12.7) | 1.75 (44.5) | | |
| 60254 | 250 kcmil | 3/8 | 4.73 (120.1) | 1.93 (49.0) | 1.29 (32.8) | 0.27 (6.9) | 0.92 (23.4) | 0.38 (9.7) | 1.00 (25.4) | 71 | Red |
| 60256 | | 1/2 | 5.80 (147.3) | 3.00 (76.2) | 1.29 (32.8) | 0.27 (6.9) | 0.92 (23.4) | 0.50 (12.7) | 1.75 (44.5) | | |
| 60260 | 300 kcmil | 3/8 | 4.80 (121.9) | 1.93 (49.0) | 1.39 (35.3) | 0.28 (7.1) | 0.99 (25.1) | 0.38 (9.7) | 1.00 (25.4) | 76 | Blue |
| 60262 | | 1/2 | 5.88 (149.4) | 3.00 (76.2) | 1.39 (35.3) | 0.28 (7.1) | 0.99 (25.1) | 0.50 (12.7) | 1.75 (44.5) | | |
| 60265 | 350 kcmil | 3/8 | 5.50 (139.7) | 1.93 (49.0) | 1.53 (38.9) | 0.33 (8.4) | 1.09 (27.7) | 0.38 (9.7) | 1.00 (25.4) | 87 | Brown |
| 60267 | | 1/2 | 6.58 (167.1) | 3.00 (76.2) | 1.53 (38.9) | 0.33 (8.4) | 1.09 (27.7) | 0.50 (12.7) | 1.75 (44.5) | | |
| 60268 | 400 kcmil | 3/8 | 5.63 (143.0) | 1.93 (49.0) | 1.65 (41.9) | 0.38 (9.7) | 1.18 (30.0) | 0.38 (9.7) | 1.00 (25.4) | 94 | Green |
| 60269 | | 1/2 | 6.70 (170.2) | 3.00 (76.2) | 1.65 (41.9) | 0.38 (9.7) | 1.18 (30.0) | 0.50 (12.7) | 1.75 (44.5) | | |
| 60271 | 500 kcmil | 3/8 | 5.63 (143.0) | 1.93 (49.0) | 1.79 (45.5) | 0.38 (9.7) | 1.28 (32.5) | 0.38 (9.7) | 1.00 (25.4) | 99 | Pink |
| 60273 | | 1/2 | 6.70 (170.2) | 3.00 (76.2) | 1.79 (45.5) | 0.38 (9.7) | 1.28 (32.5) | 0.50 (12.7) | 1.75 (44.5) | | |
| 60274 | 600 kcmil | 3/8 | 5.75 (143.1) | 1.93 (49.0) | 1.92 (48.8) | 0.37 (9.4) | 1.36 (34.5) | 0.38 (9.7) | 1.00 (25.4) | 106 | Black |
| 60275 | | 1/2 | 6.83 (173.5) | 3.00 (76.2) | 1.92 (48.8) | 0.37 (9.4) | 1.36 (34.5) | 0.50 (12.7) | 1.75 (44.5) | | |
| 60276 | 700 kcmil | 3/8 | 5.88 (149.4) | 1.93 (49.0) | 2.04 (51.8) | 0.38 (9.7) | 1.44 (36.6) | 0.38 (9.7) | 1.00 (25.4) | 112 | Purple |
| 60277 | | 1/2 | 6.95 (176.5) | 3.00 (76.2) | 2.04 (51.8) | 0.38 (9.7) | 1.44 (36.6) | 0.50 (12.7) | 1.75 (44.5) | | |
| 60278 | 750 kcmil | 1/2 | 7.15 (181.6) | 3.00 (76.2) | 2.13 (54.1) | 0.40 (10.2) | 1.50 (38.1) | 0.50 (12.7) | 1.00 (25.4) | 115 | Yellow |
| 60284 | 1000 kcmil | 1/2 | 7.78 (197.6) | 3.00 (76.2) | 2.50 (63.5) | 0.50 (12.7) | 1.77 (45.0) | 0.50 (12.7) | 1.75 (44.5) | 140 | - |

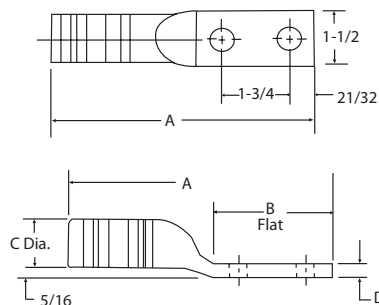
Bolt holes 3/8 in. on 1 in. centers, 1/2 in. on 1-3/4 in. centers.
[‡] For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements.
 Tooling: pp. E4–E62
 Die Selector Chart: pp. E35–E50

Range-Taking Narrow-Tongue Single-Barrel Lugs

- For 90°C certified to 600 V and recommended up to 35 kV[‡] applications
- 1-1/2 in. wide tongues
- Bolt holes on 1-3/4 in. centers
- Wire barrel factory-filled with oxide-inhibitor compound

Material: Aluminum

Finish: Tin-Plated



| Cat. No. | Al-Cu Cable Size | Bolt Size (in.) | No. of compression | | Dimensions in. (mm) | | | | Hex Die No. | Colour Code |
|----------|------------------|-----------------|--------------------|--------------|---------------------|-------------|-------------|-------------|-------------|-------------|
| | | | TBM12M | 13642, TBM15 | A | B | C | D | | |
| 60273N | 350–500 kcmil | 1/2 | 4 | 4 | 6.88 (174.8) | 3.13 (79.5) | 1.28 (32.5) | 0.41 (10.4) | 99H | Pink |
| 60278N | 500–750 kcmil | | – | – | 7.13 (181.1) | 3.69 (93.7) | 1.50 (38.1) | 0.50 (12.7) | 115H | Yellow |

[‡] For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements.
 Tooling: pp. E4–E62
 Die Selector Chart: pp. E35–E50

Connectors for Aluminum/Copper Code Conductors

Two-Way Splice Connectors



| Cat. No. | Cable Size | Dimensions in. (mm) | | Die Code | Colour Code |
|----------|---------------|---------------------|-------------|----------|-------------|
| | | A | E | | |
| 60500-TB | 10 Str. | 1.00 (25.4) | 0.27 (6.9) | 21 | Red |
| 60501-TB | 8 Str. | 1.19 (30.2) | 0.28 (7.1) | 24 | Blue |
| 60507-TB | 6 Str. | 1.63 (41.4) | 0.35 (8.9) | 29 | Grey |
| 60512 | 4 Str. | 1.81 (46.0) | 0.46 (11.7) | 37 | Green |
| 60516 | 2 Str./3 Str. | 1.81 (46.0) | 0.51 (13.0) | 42 | Pink |
| 60522-TB | 1 Str. | 2.38 (60.5) | 0.56 (14.2) | 45 | Gold |
| 60530-TB | 1/0 | 2.38 (60.5) | 0.62 (15.7) | 50 | Tan |
| 60536 | 2/0 | 2.50 (63.5) | 0.70 (17.8) | 54 | Olive |
| 60542 | 3/0 | 2.81 (71.4) | 0.77 (19.6) | 60 | Ruby |
| 60548 | 4/0 | 3.66 (93.0) | 0.86 (21.8) | 66 | White |
| 60554 | 250 kcmil | 3.91 (99.3) | 0.92 (23.4) | 71 | Red |
| 60560 | 300 kcmil | 3.97 (100.8) | 0.99 (25.1) | 76 | Blue |
| 60565 | 350 kcmil | 4.97 (126.2) | 1.09 (27.7) | 87 | Brown |
| 60568 | 400 kcmil | 4.97 (126.2) | 1.18 (30.0) | 94 | Green |
| 60571 | 500 kcmil | 4.97 (126.2) | 1.28 (32.5) | 99 | Pink |
| 60574 | 600 kcmil | 5.22 (132.6) | 1.36 (34.5) | 106 | Black |
| 60576 | 700 kcmil | 5.44 (138.2) | 1.44 (36.6) | 112 | Purple |
| 60578 | 750 kcmil | 5.69 (144.5) | 1.50 (38.1) | 115 | Yellow |
| 60584 | 1000 kcmil | 6.69 (169.9) | 1.77 (45.0) | 140 | - |

For aluminum-to-copper or aluminum-to-aluminum splicing

- Connectors are pre-filled with oxide-inhibitor
- For 90°C certified to 600 V and recommended up to 35 kV[¥] applications
- For aluminum and copper concentric conductors and compact code aluminum strandings
- Permit aluminum conductors to be spliced to copper or aluminum conductors

Material: High-Conductivity Wrought Aluminum

Finish: Electro-Tin Plated

¥ For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements.
Tooling: pp. E4-E62
Die Selector Chart: pp. E35-E50

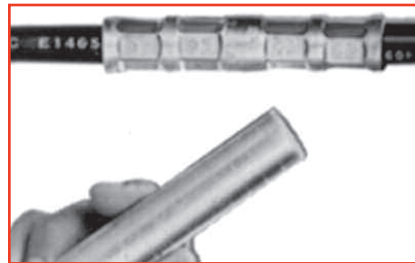
Aluminum Reducing Connectors

Splice aluminum conductors to copper conductors of equal ampacities



| Cat. No. | Cable Size | | Dimensions in. (mm) | | Die Code | Colour Code |
|----------|------------|-----------|---------------------|-------------|----------|-------------|
| | Al | Cu | A | E | | |
| 60905-TB | 8 | 10 | 0.81 (20.6) | 0.28 (7.1) | 24 | Blue |
| 60910 | 6 | 8 | 1.63 (41.4) | 0.34 (8.6) | 29 | Grey |
| 60915 | 4 | 6 | 1.81 (46.0) | 0.44 (11.2) | 37 | Green |
| 60925 | 1 | 3 | 2.38 (60.5) | 0.53 (13.5) | 45 | Gold |
| 60930 | 1/0 | 2 | 2.38 (60.5) | 0.63 (16.0) | 50 | Tan |
| 60935 | 2/0 | 1 | 2.50 (63.5) | 0.69 (17.5) | 54 | Olive |
| 60940 | 3/0 | 1/0 | 2.81 (71.4) | 0.75 (19.1) | 60 | Ruby |
| 60945 | 4/0 | 2/0 | 3.75 (95.3) | 0.88 (22.4) | 66H | White |
| 60950 | 250 kcmil | 3/0 | 4.00 (101.6) | 0.94 (23.9) | 71H | Red |
| 60955 | 300 kcmil | 4/0 | 4.06 (103.4) | 1.00 (25.4) | 76H | Blue |
| 60960 | 350 kcmil | 4/0 | 5.06 (128.5) | 0.09 (2.3) | 87H | Brown |
| 60965 | 400 kcmil | 250 kcmil | 5.06 (128.5) | 1.22 (31.0) | 94H | Green |
| 60970 | 500 kcmil | 350 kcmil | 5.06 (128.5) | 1.31 (33.3) | 99H | Pink |
| 60975 | 600 kcmil | 400 kcmil | 5.31 (134.9) | 1.34 (34.0) | 106H | Black |
| 60980 | 700 kcmil | 500 kcmil | 5.56 (141.2) | 1.44 (36.6) | 112H | Purple |
| 60985 | 750 kcmil | 500 kcmil | 5.81 (147.6) | 1.50 (38.1) | 115H | Yellow |

¥ For installations from 16 kV up to 35 kV, consult shielded cable manufacturers for stress relief and insulation requirements.
Die Selector Chart: pp. E35-E50



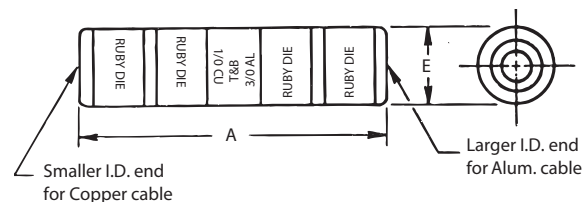
Material: High-Conductivity Wrought Aluminum

Finish: Electro-Tin Plated

Installing Tools:

- TBM5(S) #10 AWG – 4/0 AWG
- TBM6(S) #10 AWG – 350 kcmil
- TBM8(S) #10 AWG – 350 kcmil

- For 90°C, certified to 600 V and recommended up to 35 kV[¥] applications
- Filled with high-temperature oxide-inhibitor compound
- Designed for the right combination of equivalent sizes (example: 4/0 aluminum to 2/0 copper)
- Selection table gives aluminum/copper equivalents to all sizes

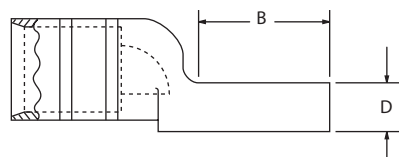
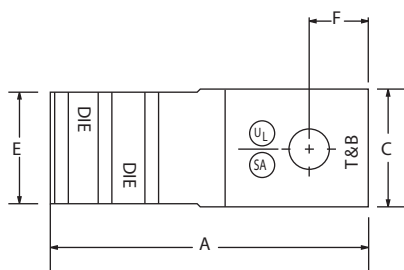


Connectors for Aluminum/Copper Code Conductors

One-Hole Aluminum Compact-Size Equipment Lugs

Much smaller than standard aluminum lugs for the same cable size

- For 90°C, certified 600 V applications
- For use with aluminum cables only
- Can be directly substituted for equipment mechanical lugs in most applications
- Only 7 dies handle all 14 lug sizes
- Factory-filled with joint compound
- Electro-Tin Plated
- Supplied with Neoprene insulating covers



| Cat. No. | Aluminum Cable Size | Aluminum Range-Taking* | Bolt Hole (in.) | Dimensions in. (mm) | | | | | |
|----------|---------------------|------------------------|-----------------|---------------------|-------------|-------------|-------------|-------------|-------------|
| | | | | A | B | C | D | E | F |
| 61102 | #8 | - | 1/4 | 1.33 (33.8) | 0.54 (13.7) | 0.50 (12.7) | 0.14 (3.6) | 0.37 (9.4) | 0.25 (6.4) |
| 61107 | #6 | | | 1.33 (33.8) | 0.54 (13.7) | 0.50 (12.7) | 0.14 (3.6) | 0.37 (9.4) | 0.25 (6.4) |
| 61112 | #4 | | | 1.33 (33.8) | 0.54 (13.7) | 0.50 (12.7) | 0.14 (3.6) | 0.37 (9.4) | 0.25 (6.4) |
| 61116 | #2 | | | 1.75 (44.5) | 0.68 (17.3) | 0.55 (14.0) | 0.20 (5.1) | 0.48 (12.2) | 0.25 (6.4) |
| 61122 | #1 | | | 1.75 (44.5) | 0.68 (17.3) | 0.55 (14.0) | 0.20 (5.1) | 0.48 (12.2) | 0.25 (6.4) |
| 61130 | 1/0 | #8-1/0 | 3/8 | 2.00 (50.8) | 0.83 (21.1) | 0.64 (16.3) | 0.20 (5.1) | 0.57 (14.5) | 0.38 (9.7) |
| 61136 | 2/0 | #1-2/0 | | 2.00 (50.8) | 0.83 (21.1) | 0.64 (16.3) | 0.20 (5.1) | 0.57 (14.5) | 0.38 (9.7) |
| 61142 | 3/0 | - | | 2.50 (63.5) | 1.08 (27.4) | 0.78 (19.8) | 0.23 (5.8) | 0.70 (17.8) | 0.38 (9.7) |
| 61148 | 4/0 | 2/0-4/0 | | 2.50 (63.5) | 1.08 (27.4) | 0.78 (19.8) | 0.23 (5.8) | 0.70 (17.8) | 0.38 (9.7) |
| 61156 | 250 kcmil | - | 1/2 | 2.50 (63.5) | 1.23 (31.2) | 0.98 (24.9) | 0.25 (6.4) | 0.85 (21.6) | 0.50 (12.7) |
| 61162 | 300 kcmil | #4-300 | | 2.50 (63.5) | 1.23 (31.2) | 0.98 (24.9) | 0.25 (6.4) | 0.85 (21.6) | 0.50 (12.7) |
| 61165 | 350 kcmil | 250-350 | | 3.25 (82.6) | 1.23 (31.2) | 1.20 (30.5) | 0.41 (10.4) | 1.04 (26.4) | 0.56 (14.2) |
| 61171 | 500 kcmil | 2/0-500 | | 3.25 (82.6) | 1.23 (31.2) | 1.20 (30.5) | 0.41 (10.4) | 1.04 (26.4) | 0.56 (14.2) |
| 61178 | 750 kcmil | 500-750 | | 3.75 (95.3) | 1.54 (39.1) | 1.49 (37.8) | 0.41 (10.4) | 1.33 (33.8) | 0.81 (20.6) |

*For range-taking capability, use TBM8-750/TBM8-750M-1 Smart™ Tools.
 Tooling: pp. E4-E62
 Die Selector Chart: pp. E35-E50

Transformer Lug Kits for Aluminum Code Conductors

Transformer Lug Kits

Everything you need to connect to a transformer in one convenient kit!

- For 90°C, certified 600 V applications
- For use with aluminum cables only
- Include all necessary range-taking compression or mechanical type lugs and bolting hardware to connect to designated transformers
- Lugs pre-filled



| Transformer | | Terminal Lugs | | | Kit Contents | | | | | | Std. Pkg. | |
|-------------------------|----------------------|-------------------|---|-------------------|--------------|--------|------------------|--------------------|-----------------------------|------|-----------|----|
| kVA Size | KIT Cat. No. | Al Cable Range* | | Qty. | Nuts | Qty. | Bolts | Qty. | Washers | Qty. | | |
| Compression Lugs | | | | | | | | | | | | |
| 15 – 37-1/2 1Ø | 611CL-SK1 | #8-1/0 Al | Color-Keyed® Compression Equipment Lugs | 8 | 1/4–20 | 8 | 1/4–20 x 1 in. | 8 | Flat 1/4 in. Spring 1/4 in. | 8 | 1 | |
| 15 – 45 3Ø | | #4-300 kcmil | | 4 | | – | | | | | | |
| 50 – 75 1Ø | 611CL-SK2 | #4-300 kcmil Al | | 12 | | 16 | 1/4–20 x 1 in. | | | 16 | | |
| 75 – 112-1/2 3Ø | | | | | | 3 | 3 | 1/4–20 x 2 in. | | 3 | | 3 |
| 100 – 167 1Ø | 611CL-SK3 | #2/0-500MM Al | | 22 | 16 | 3/8–16 | 3/8–16 x 2 in. | 16 | 16 | 16 | | |
| 150 – 300 3Ø | 611CL-SK3-500 | | | #4-300 kcmil Al | 3 | 3 | 1/4–20 | 1/4–20 x 1 in. | 3 | 3 | | 3 |
| 100 – 167 1Ø | | | | #2/0-500 kcmil Al | 22 | 16 | 3/8–16 | 3/8–16 x 2 in. | 16 | 16 | | 16 |
| 150 – 300 3Ø | | #500-750 kcmil Al | | 29 | 18 | 18 | | | 18 | 18 | | 18 |
| 500 3Ø | 611CL-SK4 | | | | | | | | | | | |
| Mechanical Lugs | | | | | | | | | | | | |
| 15 – 37-1/2 1Ø | 622ML-SK1 | #14-2 | Mechanical Lugs | 8 | 1/4–20 | 8 | 1/4–20 x 3/4 in. | 8 | Flat 1/4 in. Spring 1/4 in. | 8 | | 1 |
| 15 – 45 3Ø | | | | 4 | | – | | | | | | |
| 50 – 75 1Ø | 622ML-SK2 | #6-250 | | 12 | | 16 | 1/4–20 x 1/4 in. | | | 16 | | |
| 75 – 112-1/2 3Ø | | | | | | 3 | 3 | 1/4–20 x 1-3/4 in. | | 3 | 3 | |
| 100 – 167 1Ø | 622ML-SK3 | 350-800 | | 22 | 16 | 3/8–16 | 3/8–16 x 2 in. | 16 | 16 | 16 | | |
| 150 – 300 3Ø | 622ML-SK4 | | | | 29 | | | 18 | 18 | 18 | 18 | |
| 500 3Ø | | | | | | | | | | | | |

*To ensure proper range-taking compression on Color-Keyed® equipment lugs, use Smart™ Tools (Cat. Nos. TBM8-750/TBM8-750M-1). Tooling: pp. E4–E62 Die Selector Chart: pp. E35–E50

Pin Connectors for Aluminum/Copper Code Conductors



Bi-Pin^{md} Bi-Metal Pin Connectors

Converts an aluminum cable into a two-sizes-smaller copper pigtail

- For 90°C, certified 600 V applications
- Upgrade connection by eliminating cold flow and oxidation of aluminum
- Reduces oversized aluminum cable
- Enables termination of aluminum cable into a copper-only lug
- Barrel pre-filled with joint compound

Material: Copper Wire/Aluminum Body

Finish: Electro-Tin Plated

Insulation: Neoprene (600 V dielectric rating)

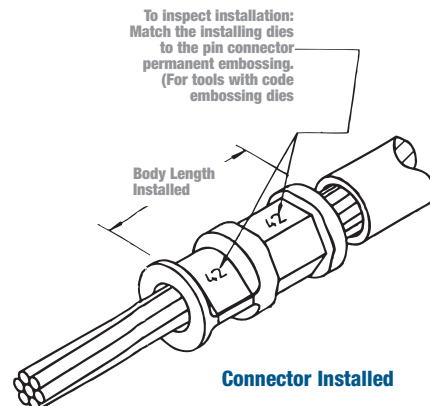
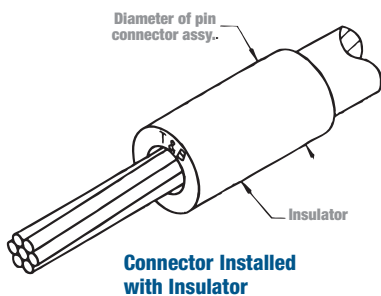
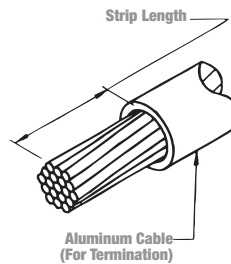
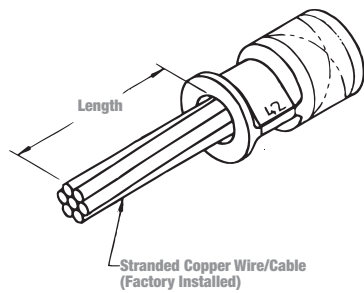


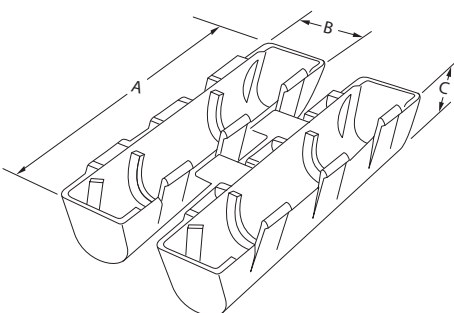
| Cat. No. Insulating Covers | Cat. No. Heat Shrink Covers | Aluminum Cable Size | Copper Wire Size | Body Length after installing (in.) | Die Code No. | Colour Code |
|-------------------------------|-----------------------------------|------------------------|---------------------|--|--------------------|----------------|
| 61905A | 61905AT | 8 AWG | 10 AWG | 1.88 | 24 | Blue |
| 61910A | 61910AT | 6 AWG | 8 AWG | 1.88 | | |
| 61915A | 61915AT | 4 AWG | 6 AWG | 1.56 | 45 | Gold |
| 61920A | 61920AT | 2 AWG | 4 AWG | 1.56 | | |
| 61925A | 61925AT | 1 AWG | 3 AWG | 1.63 | 50 | Orange |
| 61930A | 61930AT | 1/0 AWG | 2 AWG | 1.63 | | |
| 61935 | 61935T | 2/0 AWG | 1 AWG | 1.94 | | |
| 61940 | 61940T | 3/0 AWG | 1/0 AWG | 2.13 | 60 | Ruby |
| 61945 | 61945T | 4/0 AWG | 2/0 AWG | 2.13 | | |
| 61950 | 61950T | 250 kcmil | 3/0 AWG | 2.19 | 66 | White |
| 61955 | 61955T | 300 kcmil | 4/0 AWG | 2.50 | 71H | Red |
| 61960 | 61960T | 350 kcmil | 250 kcmil | 2.50 | | |
| 61963 | 61963T | 400 kcmil | 250 kcmil | 3.75 | 87H | Brown |
| 61965 | 61965T | 500 kcmil | 350 kcmil | 3.75 | | |
| 61970 | 61970T | 600 kcmil | 400 kcmil | 3.75 | 107H | Orange |
| 61975 | 61975T | 700-750 kcmil | 500 kcmil | 3.75 | | |

Hand Tools – Smart™ Tools.
Tooling: pp. E4–E62
Die Selector Chart: pp. E35–E50

Pin Connectors for Aluminum/Copper Code Conductors

Bi-Pin^{md} Bi-Metal Pin Connectors





(C) Height – typical both halves

Insulating Covers for H-Type Compression Taps

Interlocking Insulating Soft Covers

Quick and easy insulation for H-type compression taps

- Ideal for pigtail, 2-way splicing or tapping to an unbroken continuous main
- Insulation covers are not reusable

Technical Specifications

- Material: Flame-Retardant, High-Impact Polypropylene
- Colour: Black
- Voltage Rating: 600 V max.
- Temperature: 90°C

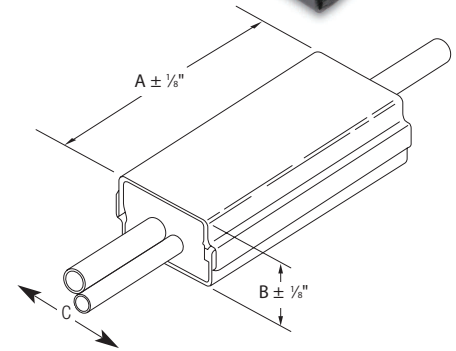


| Cat. No. | Wire Range | | Al H-Taps | Use to Insulate | Dimensions in. (mm) | | | "A" Dim. | "B" Dim. |
|------------------|----------------------------|---------------------------|----------------------------|-----------------|----------------------|-------------|-------------|---------------------|-----------------|
| | Max. | Min. | | | A | B | C | | |
| HT20C | 2/0 | 6 | 63110/63115 63125/63120 | - | 4.50 (114.3) | 1.25 (31.8) | 1.12 (28.4) | - | - |
| HT40C | 4/0 | | 63140 63148 | | 5.60 (142.2) | 1.40 (35.6) | 1.18 (30.0) | | |
| HT600C | 500 kcmil | 2 | 63160 | 63169 | 6.81 (173.0) | 2.12 (53.8) | 1.60 (40.6) | | |
| HT1000C | 1000 kcmil to 500 kcmil | 250 kcmil to 1/0 AWG | 63180 | - | - | - | - | [184.15MM] 7.250 | 2.330 +0.060 |
| HT1000C-L | | 250 kcmil to 250 kcmil | 63170 | | [263.40MM] 10.374 | | | | |

Insulating Covers for H-Type Compression Taps

Insulating Hard Covers

- For indoor use in splice boxes and trays
- Easy to use – simply place H-Tap in cover and snap cover closed
- Consult your Regional Sales Office for available flame-retardant version
- Hard shell outer covers guard inner seal, keep out dust
- Installs quickly and easily without special tools – simply snaps together
- Eliminate time-consuming taping
- Provide high-quality, neat, uniform installations
- Range-taking design reduces inventory



| Cat. No. | Dimensions in. (mm) | | |
|-----------------|---------------------|-------------|-------------|
| | A (Length) | B (Thick) | C (Width) |
| HTC2S | 2.00 (50.8) | 1.12 (28.4) | 1.43 (36.3) |
| HTC2 | 3.50 (88.9) | 1.12 (28.4) | 1.43 (36.3) |
| HTC40 | 4.25 (108.0) | 1.56 (39.6) | 2.00 (50.8) |
| HTC40L2 | 5.75 (146.1) | 1.56 (39.6) | 2.00 (50.8) |
| HTC500 | 6.00 (152.4) | 1.75 (44.5) | 2.75 (69.9) |
| HTC1000 | 7.00 (177.8) | 2.38 (60.5) | 3.88 (98.6) |
| HTC1000L | 10.00 (25.4) | 2.38 (60.5) | 3.88 (98.6) |

Interlocking insulating covers for "H" type compression taps. For use in splice boxes, indoors or in tray indoors. Place the H-Tap in the cover and snap the cover closed. Consult your Regional Sales Office for flame-retardant version.

Technical Data: HTC2 and HTC2S use insulation wrap instead of end cushions for inner seal. Connector Cat. Nos. 54755 through 54790 and 63148 through 63180 require hydraulic crimping tools. Refer to instruction sheet.

Materials:
Outer Hard Shell Covers – High Impact Black Thermoplastic (Noryl), flammability Class, UL 94V-1.
Inner seal – Black neoprene sponge soft closed cell, oxygen index 28% UL 94 HBF.

Temperature Rating – 90°C maximum.

Certified Voltage Rating – 600 V maximum.

NOTE: Insulation covers are not reusable.



These insulating covers provide hard shell insulated protection for "H" type compression taps and splices and because there is no taping required, you get uniform quality and appearance each time. The exclusive locking design provides the range-taking capability. Only five H-Tap insulating catalogue cover numbers accommodate the range of 6 AWG – 1000 kcmil in the main and 12 AWG – 500 kcmil in the branch.

For H-Tap Applications

| Cat. No. | Al H-Taps | Cu H-Taps |
|-----------------|-------------|------------------------|
| HTC2 | 63105 | – |
| HTC2S | – | CHT814-10 |
| HTC40 | 63110 | CHT214-9 |
| | 63118 | CHT250214-8 |
| | 63125 | CHT2514-7 |
| | 63140 | CHT2502-6 |
| HTC500 | 63148 | CHT50010-5/CHT50040-4 |
| | 63160 | CHT75010-3/CHT750350-2 |
| HTC1000L | 63170 | – |
| HTC1000 | 63180/63169 | CHT750350-1F |

For C-Tap Applications

| Cat. No. | C-Taps | Colour Code |
|----------------|--------|-------------|
| HTC40 | 54720 | Brown |
| | 54725 | Green |
| | 54730 | Pink |
| | 54755 | Blue |
| HTC40L2 | 54760 | Brown |
| | 54735 | Black |
| | 54740 | Orange |
| | 54745 | Purple |
| HTC500 | 54750 | Yellow |
| | 54765 | Pink |
| | 54770 | Black |
| | 54775 | Yellow |
| | 54780 | White |
| HTC1000 | 54785 | – |
| | 54790 | – |



Parallel Splices

Ideal for Use in Transformer and Motor/Turbine Windings!

Color-Keyed® Parallel Splices offer conductor-splicing solutions for hundreds of OEM, utility and communications applications. They're especially well suited for use in the manufacturing, repair and servicing of windings for transformers, motors, generators and turbines. Rely on them for excellent reliability, long-term performance and a CSA certified connection at a low-installed cost.

- Accommodate multiple wire sizes from 22 AWG to 500 kcmil for application flexibility
- Simple extruded-tube design for ease of use
- Chamfered barrel ends eliminate high-voltage corona and partial discharge failures
- Easy to install with standard compression crimp tools
- 99.9% pure copper for low resistance and high conductivity – tin-plated for corrosion resistance
- Certified for 600 V

Tools

| Cat. No. | Tools |
|-----------------|--|
| 540008 | WT-115A, TBM8-750MI, TBM8-780BSCR |
| 540006 | TBM8-780M-1, TBM*-750BSCR, ERG2008 (6 AWG die) |
| 540007 – 540700 | TBM8-780M-1, TBM*-750BSCR |
| 540800 – 540900 | TBM15I with die 15600X and 15615X |
| 541000 | TBM15I with die 15600X and 15604X |



| Cat. No. | Min. Wire Range (AWG) | Max. Wire Range (AWG) | Cir. Mil Range* | Length (in.) | O.D. (in.) | I.D. (in.) | Std. Pkg. |
|----------|-----------------------|------------------------|-------------------|--------------|------------|------------|-----------|
| 540008 | #10 & #14 | (2) #10 | 13,000–20,800 | 0.375 | 0.260 | 0.180 | 5000 |
| 540006 | (2) #10 & #14 | (2) #10 & (3) #14 | 20,800–33,100 | 0.500 | 0.365 | 0.266 | |
| 540004 | (2) #8 & #14 | (2) #6 | 33,100–52,600 | 0.531 | 0.410 | 0.302 | 2500 |
| 540002 | (3) #8 & #14 | (2) #4 | 52,600–83,700 | 0.640 | 0.521 | 0.396 | |
| 540010 | (6) #8 | (2) #4 & (1) #6 | 83,700–119,500 | 0.750 | 0.571 | 0.446 | 1000 |
| 540020 | (3) #4 | #1 & #2 | 119,500–150,500 | 0.750 | 0.632 | 0.507 | |
| 540030 | (4) #4 | (2) #1 & (2) #10 | 150,500–190,000 | 0.750 | 0.701 | 0.564 | 500 |
| 540040 | (3) #2 | 1/0 & (3) #4 | 190,000–231,100 | 0.770 | 0.766 | 0.629 | |
| 540250 | 3/0 & (4) #8 | 3/0 & (8) #8 | 231,100–300,000 | 1.063 | 0.926 | 0.749 | 250 |
| 540300 | 2/0 & (4) #4 | 300 & (3) #6 | 300,000–380,000 | 1.125 | 1.100 | 0.882 | 100 |
| 540400 | 250 & (5) #6 | 4/0 & (4) #2 | 380,000–478,000 | 1.250 | 1.200 | 0.956 | |
| 540500 | 400 & (3) #6 | 250 & (13) #6 | 478,000–600,000 | 1.438 | 1.330 | 1.060 | 50 |
| 540600 | (2) 2/0 & (2) 3/0 | (2) 4/0 & (2) 2/0 | 601,800–689,400 | 1.500 | 1.500 | 1.187 | 60 |
| 540700 | 350, 4/0 & 1/0 | (3) 4/0 & (1) 1/0 | 667,100–740,300 | 1.531 | 1.550 | 1.253 | |
| 540800 | (7) 1/0 | 250, (2) 3/0 & (2) 2/0 | 738,500–851,800 | 1.562 | 1.650 | 1.353 | 30 |
| 540900 | 500 & 350 | (2) 350 & (1) 250 | 850,000–950,000 | 1.625 | 1.750 | 1.453 | |
| 541000 | (2) 350 & (1) 250 | (2) 500 & (1) 3/0 | 950,000–1,167,800 | 1.625 | 1.875 | 1.578 | |

* The total combined cross-sectional area of all wires must be within the circular mil range for the splice.

Heavy-Duty Battery Connectors and Tools

Tin-Plated Straight Battery Connectors

| Cat. No. | BULK Cat. No. | SAE Cable Size | Description | I.D. | O.D. | Pkg. Qty. | Bulk Pkg. Qty. | Colour Code |
|-----------|---------------|----------------|--------------------|-------------------|-------|-----------|----------------|-------------|
| BAC4SUBT | BAC4SUBT-C | 4 Gauge | Straight Universal | 0.261 | 0.430 | 5 | 100 | Grey |
| BAC2SUBT | BAC2SUBT-C | 2 Gauge | | 0.340 | 0.550 | | | Green |
| BAC1SUBT | BAC1SIBT-C | 1 Gauge | | 0.340 | 0.550 | | | Pink |
| BAC10SUBT | BAC10SUBT-C | 1/0 Gauge | | 0.455 | 0.625 | | | Black |
| BAC20SUBT | BAC20SUBT-C | 2/0 Gauge | | 0.502 | 0.676 | | | Orange |
| BAC30SUBT | BAC30SUBT-C | 3/0 Gauge | | 0.530 | 0.730 | | | Purple |
| BAC40SUBT | BAC40SUBT-C | 4/0 Gauge | | 0.600 | 0.844 | | | Yellow |
| BAC4SPBT | BAC4SPBT-C | 4 Gauge | | Straight Positive | 0.261 | | | 0.430 |
| BAC4SNBT | BAC4SNBT-C | | Straight Negative | 0.261 | 0.430 | Grey | | |
| BAC2SPBT | BAC2SPBT-C | 2 Gauge | Straight Positive | 0.340 | 0.550 | Green | | |
| BAC2SNBT | BAC2SNBT-C | | Straight Negative | 0.340 | 0.550 | Green | | |
| BAC1SPBT | BAC1SPBT-C | 1 Gauge | Straight Positive | 0.340 | 0.550 | Pink | | |
| BAC1SNBT | BAC1SNBT-C | | Straight Negative | 0.340 | 0.550 | Pink | | |
| BAC10SPBT | BAC10SPBT-C | 1/0 Gauge | Straight Positive | 0.455 | 0.625 | Black | | |
| BAC10SNBT | BAC10SNBT-C | | Straight Negative | 0.455 | 0.625 | Black | | |
| BAC20SPBT | BAC20SPBT-C | 2/0 Gauge | Straight Positive | 0.502 | 0.676 | Orange | | |
| BAC20SNBT | BAC20SNBT-C | | Straight Negative | 0.502 | 0.676 | Orange | | |
| BAC30SPBT | BAC30SPBT-C | 3/0 Gauge | Straight Positive | 0.530 | 0.730 | Purple | | |
| BAC30SNBT | BAC30SNBT-C | | Straight Negative | 0.530 | 0.730 | Purple | | |
| BAC40SPBT | BAC40SPBT-C | 4/0 Gauge | Straight Positive | 0.600 | 0.844 | Yellow | | |
| BAC40SNBT | BAC40SNBT-C | | Straight Negative | 0.600 | 0.844 | Yellow | | |

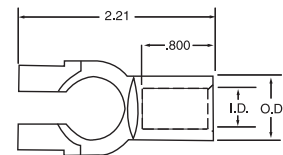
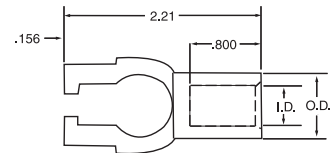


Material: High-Conductivity Copper

Finish: Electro-Tin Plated

Installing

Tools: TBM5-SV, TBM5V, TBM8250S

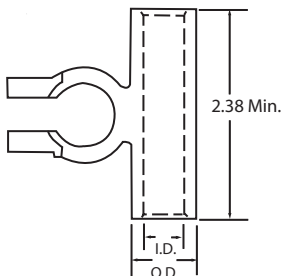


Material: High-Conductivity Copper

Finish: Electro-Tin Plated

Installing

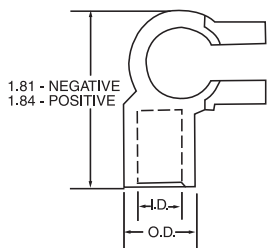
Tools: TBM5-SV, TBM5V, TBM8250S



Tin-Plated Flag Battery Connectors

| Cat. No. | BULK Cat. No. | SAE Cable Size | Description | I.D. | O.D. | Pkg. Qty. | Bulk Pkg. Qty. | Colour Code |
|-----------|---------------|----------------|----------------|-------|-------|-----------|----------------|-------------|
| BAC10FU | BAC10FNBL | 1/0 Gauge | Flag Universal | 0.455 | 0.625 | 5 | 100 | Black |
| BAC20FU | BAC20FNBL | 2/0 Gauge | | 0.502 | 0.676 | | | Orange |
| BAC30FU | BAC30FNBL | 3/0 Gauge | | 0.530 | 0.730 | | | Purple |
| BAC40FU | BAC40FNBL | 4/0 Gauge | | 0.600 | 0.844 | | | Yellow |
| BAC10FPBT | BAC10FPBT-C | 1/0 Gauge | Flag Positive | 0.455 | 0.625 | 5 | 100 | Black |
| BAC10FNBT | BAC10FNBT-C | | Flag Negative | 0.455 | 0.625 | | | Black |
| BAC20FPBT | BAC20FPBT-C | 2/0 Gauge | Flag Positive | 0.502 | 0.676 | 5 | 100 | Orange |
| BAC20FNBT | BAC20FNBT-C | | Flag Negative | 0.502 | 0.676 | | | Orange |
| BAC30FPBT | BAC30FPBT-C | 3/0 Gauge | Flag Positive | 0.530 | 0.730 | 5 | 100 | Purple |
| BAC30FNBT | BAC30FNBT-C | | Flag Negative | 0.530 | 0.730 | | | Purple |
| BAC40FPBT | BAC40FPBT-C | 4/0 Gauge | Flag Positive | 0.600 | 0.844 | 5 | 100 | Yellow |
| BAC40FNBT | BAC40FNBT-C | | Flag Negative | 0.600 | 0.844 | | | Yellow |

Heavy-Duty Battery Connectors and Tools



Tin-Plated Elbow Battery Connectors

| Cat. No. | BULK Cat. No. | SAE Cable Size | Description | I.D. | O.D. | Pkg. Qty. | Bulk Pkg. Qty. | Colour Code |
|------------|---------------|----------------|----------------------|-------|-------|-----------|----------------|-------------|
| BAC10ERNBT | BAC10ERNBT-C | 1/0 Gauge | Right Elbow-Negative | 0.455 | 0.625 | 5 | 100 | Black |
| BAC10ERPBT | BAC10ERPBT-C | | Right Elbow-Positive | 0.455 | 0.625 | | | Orange |
| BAC20ERNBT | BAC20ERNBT-C | 2/0 Gauge | Right Elbow-Negative | 0.502 | 0.676 | | | Purple |
| BAC20ERPBT | BAC20ERPBT-C | | Right Elbow-Positive | 0.502 | 0.676 | | | Yellow |
| BAC30ERNBT | BAC30ERNBT-C | 3/0 Gauge | Right Elbow-Negative | 0.530 | 0.730 | | | Black |
| BAC30ERPBT | BAC30ERPBT-C | | Right Elbow-Positive | 0.530 | 0.730 | | | Orange |
| BAC40ERNBT | BAC40ERNBT-C | 4/0 Gauge | Right Elbow-Negative | 0.600 | 0.844 | | | Purple |
| BAC40ERPBT | BAC40ERPBT-C | | Right Elbow-Positive | 0.600 | 0.844 | | | Yellow |
| BAC10ELNBT | BAC10ELNBT-C | 1/0 Gauge | Left Elbow-Negative | 0.455 | 0.625 | | | Black |
| BAC10ELPBT | BAC10ELPBT-C | | Left Elbow-Positive | 0.455 | 0.625 | | | Orange |
| BAC20ELNBT | BAC20ELNBT-C | 2/0 Gauge | Left Elbow-Negative | 0.502 | 0.676 | | | Purple |
| BAC20ELPBT | BAC20ELPBT-C | | Left Elbow-Positive | 0.502 | 0.676 | | | Yellow |
| BAC30ELNBT | BAC30ELNBT-C | 3/0 Gauge | Left Elbow-Negative | 0.530 | 0.730 | | | Black |
| BAC30ELPBT | BAC30ELPBT-C | | Left Elbow-Positive | 0.530 | 0.730 | | | Orange |
| BAC40ELNBT | BAC40ELNBT-C | 4/0 Gauge | Left Elbow-Negative | 0.600 | 0.844 | | | Purple |
| BAC40ELPBT | BAC40ELPBT-C | | Left Elbow-Positive | 0.600 | 0.844 | | | Yellow |

Material: High-Conductivity Copper

Finish: Electro-Tin Plated

Installing

Tools: TBM5-SV, TBM5V, TBM8250S

Stackable Battery Connectors — Lead-Plated



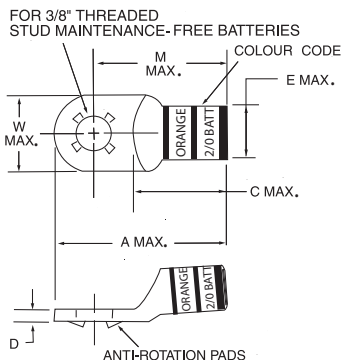
| Cat. No. | BULK Cat. No. | SAE Cable Size | A ±.040 | M ±.020 | W ±.020 | C ±.020 | E ±.010 | Stud Size | Pkg. Qty. | Bulk Pkg. Qty. | Colour Code |
|----------|---------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|-----------|----------------|-------------|
| BAC438 | 273-31853-1 | 4 Gauge | 1.46 (37.0) | 1.14 (29.0) | 0.62 (15.6) | 0.75 (19.1) | 0.37 (9.3) | 3/8 | 10 | 100 | Grey |
| BAC238 | 273-31853-2 | 2 Gauge | 1.78 (45.1) | 1.40 (35.6) | 0.68 (17.1) | 0.85 (21.6) | 0.47 (11.9) | | | | Green |
| BAC138 | 273-31853-3 | 1 Gauge | 1.88 (47.6) | 1.50 (38.1) | 0.75 (44.5) | 0.95 (24.1) | 0.52 (13.2) | | | | Pink |
| BAC1038 | 273-31853-4 | 1/0 Gauge | 1.93 (48.9) | 1.55 (39.4) | 0.83 (21.0) | 1.00 (25.4) | 0.57 (14.5) | | | | Black |
| BAC2038 | 273-31853-5 | 2/0 Gauge | 2.11 (53.6) | 1.65 (41.8) | 0.93 (23.6) | 1.10 (27.9) | 0.63 (16.1) | | | | Orange |
| BAC3038 | 273-31853-6 | 3/0 Gauge | 2.03 (51.4) | 1.65 (41.9) | 1.03 (26.0) | 1.10 (27.9) | 0.70 (17.8) | | | | Purple |
| BAC4038 | 273-31853-7 | 4/0 Gauge | 2.23 (57.8) | 1.90 (48.3) | 1.03 (26.0) | 1.35 (34.3) | 0.77 (19.5) | | | | Yellow |

Material: High-Conductivity Copper

Finish: Lead-Plated

Installing

Tools: TBM5-SV or TBM5V



Heavy-Duty Battery Connectors and Tools

Starter Lugs — Tin-Plated



| Cat. No. | BULK Cat. No. | SAE Cable Size | Stud Size (in.) | A ±0.4 | B ±0.2 | C ±0.2 | D ±0.2 | Pkg. Qty. | Bulk Pkg. Qty. | Colour Code |
|----------|---------------|----------------|-----------------|--------|--------|--------|--------|-----------|----------------|-------------|
| BAL414 | 273-31852-1 | 4 Gauge | 1/4 | 140 | 52 | 40 | 115 | 10 | 100 | Grey |
| BAL4516 | 273-31852-2 | | 5/16 | 145 | 61 | 363 | 114 | | | |
| BAL438 | 273-31852-3 | | 3/8 | 145 | 61 | 6 | 114 | | | |
| BAL2516 | — | 2 Gauge | 5/16 | 159 | 69 | 40 | 1258 | | 100 | Green |
| BAL238 | 273-31852-4 | | 3/8 | 178 | 67 | 55 | 140 | | | |
| BAL212 | 273-31852-5 | | 1/2 | 177 | 76 | 54 | 140 | | | |
| BAL1516 | — | 1 Gauge | 5/16 | 183 | 76 | 49 | 150 | | 100 | Pink |
| BAL138 | 273-31852-6 | | 3/8 | 185 | 75 | 55 | 150 | | | |
| BAL112 | 273-31852-7 | | 1/2 | 220 | 75 | 75 | 170 | | | |
| BAL10516 | — | 1/0 Gauge | 5/16 | 192 | 83 | 50 | 150 | | 100 | Black |
| BAL1038 | 273-31852-8 | | 3/8 | 193 | 83 | 55 | 155 | | | |
| BAL1012 | 273-31852-9 | | 1/2 | 197 | 88 | 53 | 153 | | | |
| BAL20516 | — | 2/0 Gauge | 5/16 | 206 | 93 | 50 | 160 | | 100 | Orange |
| BAL2038 | 273-31852-10 | | 3/8 | 211 | 93 | 55 | 165 | | | |
| BAL2012 | 273-31852-11 | | 1/2 | 211 | 93 | 55 | 165 | | | |
| BAL30516 | — | 3/0 Gauge | 5/16 | 216 | 103 | 55 | 165 | 100 | Purple | |
| BAL3038 | 273-31852-12 | | 3/8 | 203 | 103 | 55 | 165 | | | |
| BAL3012 | 273-31852-13 | | 1/2 | 235 | 103 | 75 | 185 | | | |
| BAL40516 | — | 4/0 Gauge | 5/16 | 240 | 113 | 59 | 184 | 100 | Yellow | |
| BAL4038 | 273-31852-14 | | 3/8 | 228 | 112 | 55 | 190 | | | |
| BAL4012 | 273-31852-15 | | 1/2 | 260 | 112 | 75 | 210 | | | |

Material: High-Conductivity Copper
Finish: Electro-Tin Plated
Installing Tools: TBM5-SV or TBM5V

Splices (Two-Way Connectors)



Material: High-Conductivity Copper
Finish: Electro-Tin Plated
Installing Tools: TBM5-SV or TBM5V

| Cat. No. | BULK Cat. No. | SAE Cable Size | Pkg. Qty. | Bulk Pkg. Qty. | Colour Code |
|----------|---------------|----------------|-----------|----------------|-------------|
| BAS4 | 273-31852-16 | 4 Gauge | 10 | 100 | Grey |
| BAS2 | 273-31852-17 | 2 Gauge | | | Green |
| BAS1 | 273-31852-18 | 1 Gauge | | | Pink |
| BAS10 | 273-31852-19 | 1/0 Gauge | | | Black |
| BAS20 | 273-31852-20 | 2/0 Gauge | | | Orange |
| BAS30 | 273-31852-21 | 3/0 Gauge | | | Purple |
| BAS40 | 273-31852-22 | 4/0 Gauge | | | Yellow |

“Y” Splices



Material: High-Conductivity Copper
Finish: Electro-Tin Plated
Installing Tools: TBM5-SV or TBM5V
Installing Covers: AC5X3

| Cat. No. | Strip Cable Size | SAE Cable Size | Length (in.) | Colour Code |
|----------|------------------|----------------|--------------|-------------|
| BASY20 | 2/0-(2)2 | 2/0 Gauge | 3/4 | Orange |
| BASY3 | 3/0-(2)1 | 3/0 Gauge | | Purple |
| BASY40 | 4/0-(2)1/0 | 4/0 Gauge | | Yellow |



Heavy-Duty Battery Connectors and Tools

Battery/Starter Cables

Abrasion-resistant and engineered for optimum performance at both high and low temperatures

- Fine flexible copper rope stranding PVC jacket conforms to SAE J1127 specifications
- Layer of paper separates insulation from copper, providing easy stripping with no stranding damage
- Temperature-rated for 80°C
- Flexibility ideal for tight spaces and cold environments
- Color-Keyed® markings for fast and accurate identification
- Marked in 1-ft. increments for easy measurement
- Available in red or black jacket colour

Material: High-Conductivity Copper

Finish: Electro-Tin Plated

Installing

Tools: TBM5-SV or TBM5V

| Cat. No. | Strip Cable Size | Cable Length | Cable Colour |
|-----------|------------------|---------------|---------------|
| BC4-100 | 4 Gauge | 100 ft. Coil | Black |
| BC2-100 | 2 Gauge | | |
| BC1-100 | 1 Gauge | | |
| BC10-100 | 1/0 Gauge | | |
| BC20-100 | 2/0 Gauge | | |
| BC30-100 | 3/0 Gauge | | |
| BC40-100 | 4/0 Gauge | | |
| BC4-1000 | 4 Gauge | 1000 ft. Coil | Black |
| BC2-500 | 2 Gauge | 500 ft. Coil | |
| BC1-500 | 1 Gauge | | |
| BC10-500 | 1/0 Gauge | | |
| BC20-500 | 2/0 Gauge | | |
| BC30-500 | 3/0 Gauge | | |
| BC40-500 | 4/0 Gauge | | |
| BC4-1000R | 4 Gauge | | 1000 ft. Coil |
| BC2-500R | 2 Gauge | 500 ft. Coil | |
| BC1-500R | 1 Gauge | | |
| BC10-500R | 1/0 Gauge | | |
| BC20-500R | 2/0 Gauge | | |
| BC30-500R | 3/0 Gauge | | |
| BC40-500R | 4/0 Gauge | | |

| Cat. No. | Strip Cable Size | Cable Length | Cable Colour |
|----------|------------------|--------------|--------------|
| BC4-25 | 4 Gauge | 25 ft. Coil | Black |
| BC2-25 | 2 Gauge | | |
| BC1-25 | 1 Gauge | | |
| BC10-25 | 1/0 Gauge | | |
| BC20-25 | 2/0 Gauge | | |
| BC30-25 | 3/0 Gauge | | |
| BC40-25 | 4/0 Gauge | | |
| BC4-25R | 4 Gauge | | Red |
| BC2-25R | 2 Gauge | | |
| BC1-25R | 1 Gauge | | |
| BC10-25R | 1/0 Gauge | | |
| BC20-25R | 2/0 Gauge | | |
| BC30-25R | 3/0 Gauge | | |
| BC40-25R | 4/0 Gauge | | |

Heavy-Duty Battery Cable

Specially designed for demanding industrial and OEM requirements

- 105°C Temperature-rated and UL recognized
- Heavier PVC jacket conforms to SAE J1127 specifications
- Color-Keyed® markings for fast and accurate identification
- Marked in 1-ft. increments for easy measurement
- Layer of paper separates insulation from copper for easy stripping with no strand damage
- 600 V rated available in bulk only
- Application-specific – To order, contact your Regional Sales offices



Heavy-Duty Battery Connectors and Tools

BCT840, BCT840S



TBM5-SV, TBM5V



Crimping Tools

| Cat. No. | Description |
|---------------------------------|--|
| BCT840 BCT840S | <ul style="list-style-type: none"> Adjustable die crimping tools for Color-Keyed® cast and tubular connectors The single die is an integral part of the tool; no dies to lose or misplace Available with Shure Stake™ mechanism to insure a complete crimp every time (BCT840S) Crimp casting and tubular connectors ranging from #4 AWG to 4/0 AWG. |
| TBM5V | <ul style="list-style-type: none"> Heavy-Duty crimping tool including dies for #8 AWG–4/0 battery connectors, lugs and splices |
| TBM5-SV | <ul style="list-style-type: none"> Available with Shure Stake™ mechanism to insure a complete crimp every time (TBM5S) |

Cable Cutter

| Cat. No. | Description |
|--------------|--|
| 364RF | <ul style="list-style-type: none"> Cuts cable up to 500 kcmil Fiberglass handles and carbon steel blades For copper and aluminum cable only |

Contact Tool Service for replacement blades.

Cable Stripper

| Cat. No. | Description |
|----------------|---|
| BCS8-40 | <ul style="list-style-type: none"> Cable stripper for cable #8 AWG–4/0 battery cable Replacement blade provided in the handle |





Accessories and Miscellaneous Hardware

Kopr-Shield^{md} Joint Compound

Copper colloidal surface treatment protects, lubricates and enhances conductivity of all electrical connections

- Unique, homogenized blend of pure, polished colloidal copper, rust and corrosion inhibitors
- Simultaneously protects, lubricates and enhances conductivity of mating surfaces
- Extremely adhesive compound flows smoothly into uneven contours and voids, ensuring easy application and complete, positive protection and lubrication
- Won't settle-out, thin, thicken, harden or dry out under the most severe environmental conditions
- Excellent temperature characteristics— can be brushed on at -45.5°C (-50°F) to 121°C (250°F) (other compounds either turn solid or run like water at these extremes) and remains intact at short terms even at 980°C (1,800°F)

Good connections are one of the most important aspects of electrical work. Mechanics know how much downtime is caused when fluids or oils leak into the raceway system or when they have to look for a weak link in a ground system caused by a high-resistance connection. Mechanics also know how much time is spent keeping contacts, switches, lugs and other connectors clean or replacing parts because of “green scourage” buildup. Thomas & Betts has the solution to improve connections made in thousands of electrical and raceway installations made each day by electricians everywhere. Kopr-Shield^{md} Compound may be used to advantage in all electrical installations. When the environment is hostile to electrical and mechanical connections, Kopr-Shield^{md} Compound is a must!

Use Kopr-Shield^{md} Compound for battery lugs and cables to:

- Prevent “green scourage” corrosion
- Reduce resistance
- Ease terminal installation and removal

Use Kopr-Shield^{md} Compound for raceways to:

- Lubricate for ease of assembly and disassembly
- Improve grounding continuity (exceeds code requirements)

Use Kopr-Shield^{md} Compound for fuse clips to:

- Eliminate hot spots for even heat distribution
- Prevent oxidation by preventing carbon path formation
- Lubricate for easy installation and removal of fuses

Use Kopr-Shield^{md} Compound for wiping contacts, drum switches and slip rings to:

- Prevent galling, burning, pitting and discoloration
- Suppress arching and dissipation of coronas
- Lubricate for ease of operation

| Cat. No. | Description | Std. Pkg. | Weight lb. / C |
|--------------------|--------------------------------|-----------|----------------|
| 201-31879 | 1-1/2 oz. Container with Brush | 96 | 11.46 |
| 201-31879-1 | 4 oz. Container with Brush | 24 | 38.54 |
| CP8-TB | 8 oz. Container with Brush | 12 | 64.58 |
| CP16 | 16 oz. Container with Brush | 12 | 120.83 |
| CP128 | 1 Gallon Can | 4 | 952.00 |

ALUMA-SHIELD^{md} Aluminum Joint Compound



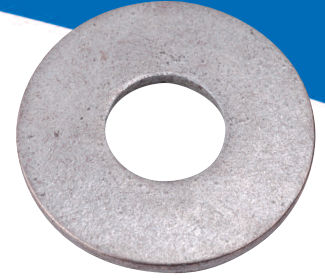
| Cat. No. | Contents |
|--------------|---------------------|
| 21059 | Squeeze Bottle, Pt. |
| AP8 | 8 oz. Brush Cap Can |
| M53 | 5 Gallon Can |

For aluminum cable connections; contains fine zinc particles which break through oxide film on cable strands upon compression of connection; ensures a low resistance contact and seals out air and moisture.

Accessories and Miscellaneous Hardware

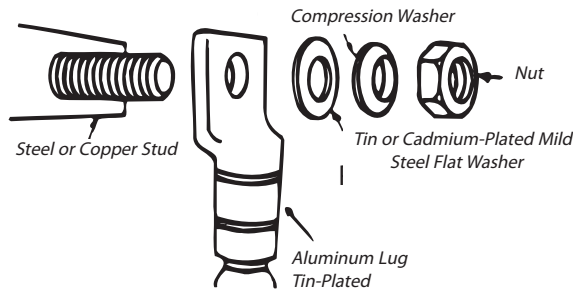
Belleville Compression Washers

For tight, secure bus-bar connections



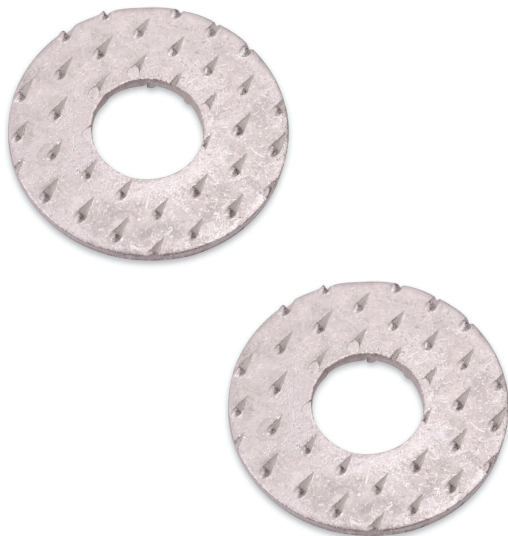
| Cat. No. | Bolt Size (in.) | Dimensions in. (mm) | | | |
|--|-----------------|---------------------|------------|-------------------|------------|
| | | Flat Washer | | Belleville Washer | |
| | | O.D. | Thickness | O.D. | Thickness |
| Belleville Compression Washers Plus Flat Washer | | | | | |
| 60800B | 1/4 | 0.75 (19.1) | 0.07 (1.8) | 0.69 (17.5) | 0.06 (1.5) |
| 60801B | 5/16 | 0.88 (22.1) | 0.07 (1.8) | 0.81 (20.6) | 0.07 (1.8) |
| 60802B | 3/8 | 1.00 (25.4) | 0.08 (2.0) | 0.94 (23.9) | 0.08 (2.0) |
| 60803B | 1/2 | 1.25 (31.8) | 0.11 (2.8) | 0.81 (20.6) | 0.10 |
| Belleville Compression Washers ONLY | | | | | |
| 60800-TB | 1/4 | - | - | 0.69 (17.5) | 0.06 (1.5) |
| 60801-TB | 5/16 | - | - | 0.81 (20.6) | 0.07 (1.8) |
| 60802-TB | 3/8 | - | - | 0.94 (23.9) | 0.08 (2.0) |
| 60803-TB | 1/2 | - | - | 0.81 (20.6) | 0.10 (2.5) |
| 60804-TB | 5/8 | - | - | 1.50 (38.1) | 0.11 (2.8) |

Note: Ordering quantity must be in unit quantities and multiples thereof. The Belleville washer should be installed with a larger flat washer to spread the high stresses of the compression washer edges over a large area of the lug and/or bus bar.



- Essential when bolting aluminum lugs and connectors to bus bars with steel or brass hardware
- Maintain constant pressure in heavy-duty, high-temperature applications
- Available with or without flat washer

When bolting aluminum lugs and connectors to bus bars with steel or brass hardware, the recommended practice to ensure a tight connection is to use a Belleville spring washer on top of a flat washer under the bolt head or nut. For heavy-duty service where the heat rise is expected to exceed 30°C above ambient, this procedure maintains constant pressure as the connector metals expand and contract with temperature changes.



Dragon Tooth^{md} Transition Washers

Quick, dependable and versatile!

- Connect copper-to-aluminum, copper-to-copper or aluminum-to-aluminum component
- Toothed surface penetrates aluminum and copper oxides
- Lower installed cost – no need to grind aluminum surfaces, apply compounds or use spring-type washers

| Cat. No. | Size (in.) | Bolt Torque in lb. |
|----------|------------|--------------------|
| DTW14 | 1/4 | 50-80 |
| DTW516 | 5/16 | 125-160 |
| DTW38 | 3/8 | 160-240 |
| DTW12 | 1/2 | 390-540 |
| DTW58 | 5/8 | 540-730 |

Accessories and Miscellaneous Hardware



| Cat. No. Diameter and Threads per inch | | | | Length (in.) |
|--|-------------|------------|------------|-----------------|
| 1/4 in.-20 | 5/16 in.-18 | 3/8 in.-16 | 1/2 in.-13 | |
| Type BB — Silicon Bronze Hex Head Bolts | | | | |
| 25100BB-C | 31100BB-C | 37100BB-C | 50100BB-C | 1 |
| - | 31125BB-C | 37125BB-C | 50125BB-C | 1-1/4 |
| | 31150BB-C | 37150BB-C | 50150BB-C | 1-1/2 |
| | 31175BB-C | 37175BB-C | 50175BB-C | 1-3/4 |
| | 32100BB-C | 37200BB-C | 50200BB-C | 2 |
| 25225BB-C | 31225BB-C | 37225BB-C | 50225BB-C | 2-1/4 |
| - | 31250BB-C | 37250BB-C | 50250BB-C | 2-1/2 |
| | 31275BB-C | 37275BB-C | 50275BB-C | 2-3/4 |
| | 31300BB-C | 37300BB-C | 50300BB-C | 3 |
| | - | 37325BB-C | 50325BB-C | 3-1/4 |
| | - | 37350BB-C | 50350BB-C | 3-1/2 |
| Type HN — Silicon Bronze Hex Nuts | | | | |
| 14010HN-C | 31010HN-C | 37010HN-C | 50010HN-C | - |

For tin-plated silicon bronze hardware, add suffix P to cat. no.
Bolts 2 in. long or less have full thread; longer bolts 2 in. of thread, except 1/4 in.-20 bolts have 1/4 in. min. thread.

| Cat. No. | Bolt Size (in.) | O.D. (in.) | I.D. (in.) | Thickness (in.) | Height (in.) |
|---|-----------------|------------|------------|-----------------|--------------|
| Type SW — Silicon Bronze Split Lock Washers | | | | | |
| 14030SW-C | 1/4 | - | - | - | - |
| 31030SW-C | 5/16 | | | | |
| 37030SW-C | 3/8 | | | | |
| 50030SW-C | 1/2 | | | | |
| Type FW — Silicon Bronze Flat Washers | | | | | |
| 14040FW-C | 1/4 | 1/4 | 11/16 | 0.260 | 0.040 |
| 31040FW-C | 5/16 | 5/16 | 7/8 | 0.336 | 0.064 |
| 37040FW-C | 3/8 | 3/8 | 1 | 0.395 | 0.064 |
| 50040FW-C | 1/2 | 1/2 | 1-1/4 | 0.562 | 0.091 |
| Type BW — Belleville Compression Washer 304 Series Stainless Steel | | | | | |
| 50050BW-C | 1/2 | 1-1/8 | 17/32 | 0.062 | 1/8 |

Accessories and Miscellaneous Hardware

Sealants and Lubricants

Type CT — CONTAX™ Oxide Inhibiting Compound

- Seals electrical connections from oxygen and moisture
- Non-water soluble, non-petroleum based polymer grease
- Nontoxic, will not irritate the skin
- Service temperature to 238°C (460°F) can be applied in -18°C (0°F) weather



| Cat. No. | Description |
|----------|----------------------|
| CTA | 1/2 oz. Package |
| CTB | 4 oz. Plastic Bottle |
| CTB8 | 8 oz. Plastic Bottle |
| CTQ | Quart Can |
| CTG | Gallon Can |

Type DX — Duct Seal

- Seals around junction boxes, flashings, service mast entries, service cable entries and countless other applications
- Easy to use, forms around irregular surfaces and configurations
- Highly resistant to cracking, drying and shrinking
- Cuts and trims easily
- Can be painted immediately after application
- Grey colour
- No unpleasant odor
- -6.7°C to 100°C (20°F to 212°F) workable temperature range
- -40°C to 121°C (-40°F to 250°F) service temperature range
- Contains no asbestos



| Cat. No. | Description |
|----------|---------------|
| DX-1 | 1 lb. Slug |
| DX-5 | 5-1 lb. Slugs |
| DX-5S | 5 lb. Slug |

Silicone Lubricant for High Voltage Electrical Work



| Cat. No. | Description | Pkg. Qty. |
|----------|-----------------|-----------|
| 2012 | 2 grams | 250 tubes |
| 2015 | 5 grams | 100 tubes |
| SL5 | 5 oz./142 grams | 12 tubes |

Type WW — Wire Bristle Brush

- Removes oxides from conductor surfaces
- Easy-grip handle with guard to prevent rubber-glove puncture
- Replaceable long-life brushes can be rotated
- Handle and guard coated with durable, nonconductive plastic for safety



| Cat. No. | Description | Pkg. Qty. |
|----------|----------------------------|-----------|
| WWB1 | Complete Brush with Handle | 1 |
| WRB1 | Brush Replacement | |