
 TECHNICAL DATA SHEET

Compression connectors, two-hole, long barrel lugs

Flex wire applications for copper conductor classifications G, H, I, K & M

Color-Keyed®



Features:

- Color coded barrel
- Long barrel allows for additional crimps
- Peep holes available (add suffix PH)
- Blank tongue available (add suffix BT)
- Round Tongue (add suffix R)

Applications:

- Copper cable conductor
 - see table for types of conductors

Made from high conductivity copper - for terminating copper conductor with low resistance crimped connections.

Certifications / Standards:


Conforms to:

- UL listed for terminating copper conductor

Materials / Finishes:

- High conductivity copper
- Electro-tin plate unless otherwise specified, other finishes available upon request:
 - plain (add suffix PF)
 - nickel (add suffix NP)
 - lead (add suffix LP)
 - silver (add suffix SP)
 - gold (add suffix GP)

Conductor types

- Die halves are sold separately.
 - All 6TON-series die halves referenced in the table below require the indenter: 6TONXSS.
 - All 155-series die halves referenced in the table below require the indenter: 15500XSS.
 - All 156-series die halves referenced in the table below require indenter: 15600X.
- TBM15-series tools require adapter: 15500-TB to crimp with the 155-series dies.

| Product selection | | | | | | | | | | | | | | | |
|-------------------|-----------|----------|----------------|----------------------|----------------------|----------------------|----------------------|-------------------|-------------------|----------------------------------------------------|-----------------------------------------------------------------------|----------------------|--------------|--------------------|----------|
| Part no: | Die color | Die code | Conductor size | | | | | | | Crimp tool | | | Strip length | | |
| | | | Navy | Flex (24 AWG) | Class G | Class H | Class I (24 AWG) | Class K (30 AWG) | Class M (34 AWG) | TBM6H TBM6PCR-LI TBM62CR-LI TBM62UNICR-LI | TBM12PCR-LI 13100A TBM14M TBM14CR-LI TBM15I TBM15CR-LI | TBM15I TBM15CR-LI | | | |
| Die half | | | | | | | | | | | | | | | |
| 54850BE | Red | 21X | 23 | 8 (37/24) | 8 (49 STR) | 8 (133 STR) | — | 8 (168 STR) | — | 6TON21X | 15520XSS | 15520XSS | ¾" | | |
| 54851BE | | | 256-30695-1157 | 256-30695-1158 | | | | | | | | | | | |
| 54852BE | | | Blue | 24X | 30 | 6 (61/24) | 5 (49 STR) | 5 (133 STR) | 5 (84 STR) | 5 (336 STR) | — | 6TON24X | | 15522XSS | 15522XSS |
| 54856BE | Grey | 29X | 40-50 | 5 (91/24) | 4 (49 STR) | 4 (133 STR) | 4 (105 STR) | 4 (420 STR) | — | 6TON29X | 15527XSS | 15527XSS | ¾" | | |
| 256-30695-1246 | | | 256-30695-1159 | 256-30695-1300 | | | | | | | | | | | |
| 54854BE | | | 54855BE | 54856BE | 256-30695-1160 | | | | | | | | | | |
| 54811BE | Brown | 33X | 60 | 3 (125/24) | 3 (49 STR) | 3 (133 STR) | 3 (133 STR) | 3 (532 STR) | 3 (1323 STR) | 6TON33X | 15528XSS | 15528XSS | ⅞" | | |
| 54809BE | | | 54812BE | 54858BE | 54857BE | 54859BE | | | | | | | | | |
| 54813BE | | | Green | 37X | 75 | 2 (150/24) | 2 (49 STR) | 2 (133 STR) | 2 (161 STR) | 2 (665 STR) | 2 (1666 STR) | 6TON37X | 15513XSS | 15513XSS | |
| 54860BE | Pink | 42X | 100 | 1 (225/24) | 1 (133 STR) | 1 (133 STR) | 1 (210 STR) | 1 (836 STR) | 2 (2107 STR) | 6TON42X | 15508XSS | 15508XSS | 1" | | |
| 256-30695-1162 | | | 54814BE | 256-30695-1299 | 256-30695-1116 | 54862BE | | | | | | | | | |
| 54815BE | | | Black | 45X | 125 | 1/0 (275/24) | 1/0 (133 STR) | 1/0 (259 STR) | 1/0 (266 STR) | 1/0 (1064 STR) | 1/0 (2646 STR) | 6TON45X | 15526XSS | 15526XSS | |
| 54816BE | Orange | 50X | 150 | 2/0 (325/24) | 2/0 (133 STR) | 2/0 (259 STR) | 2/0 (342 STR) | 2/0 (1323 STR) | 2/0 (3325 STR) | 6TON50XSS | 15530XSS | 15530XSS | 1½" | | |
| 54846BE | | | 54817BE | 256-30695-1117 | 54818BE | 54866BE | | | | | | | | | |
| 54819BE | | | Purple | 54X | 200 | 3/0 (450/24) | 3/0 (133 STR) | 3/0 (427 STR) | 3/0 (418 STR) | 3/0 (1666 STR) | 3/0 (4256 STR) | 6TON54XSS | 15511XSS | 15511XSS | 1¾" |
| 54822BE | Yellow | 62X | — | 4/0 (550/24) | 4/0 (133 STR) | 4/0 (259 STR) | 4/0 (532 STR) | 4/0 (2107 STR) | 4/0 (5320 STR) | 6TON62XSS | 15510XSS | 15510XSS 15662X | 1¾" | | |
| 54870BE | | | White | 66X | 300 | 262 MCM (650/24) | 250 MCM (259 STR) | 250 (427 STR) | 250 (637 STR) | 250 (2499 STR) | — | 6TON66XSS | 15534XSS | 15534XSS 15666X | 1¾" |
| 54821BE | | | Blue | 76X | 400 | 313 MCM (775/24) | 300 MCM (259 STR) | 300 (427 STR) | 300 (735 STR) | 300 (2989 STR) | — | — | 15512XSS | 15512XSS 15676X | 1⅞" |
| 54874BE | Brown | 87X | — | 373 MCM (925/24) | 400 MCM (259 STR) | 400 (427 STR) | 400 (980 STR) | 350 (3458 STR) | — | — | 15506XSS | 15506XSS 15687X | 2⅝" | | |
| 54823BE | | | 256-30695-1119 | 54876BE | | | | | | | | | | | |
| 54824BE | | | Green | 94X | — | 444 MCM (1100/24) | — | — | 450 (1127 STR) | 450 (4522 STR) | — | — | 15536XSS | 15536XSS 15611X | 2⅝" |
| 54878BE | Pink | 99X | — | 535 MCM (1325/24) | — | — | — | — | — | — | — | 15605X | 2¼" | | |
| 54879BE | | | 54880BE | Black | 106X | — | 500 MCM (259 STR) | 500 (427 STR) | 500 (1125 STR) | 600 (1480 STR) | 500 (5054 STR) | — | 15615X | 2⅞" | |
| 58884BE | | | — | 646 MCM (1600/24) | — | — | — | — | — | — | — | — | — | 2⅞" | |
| 58826BE | Yellow | 115X | — | 646 MCM (1600/24) | — | — | 750 (1850 STR) | — | — | — | — | 15604X | 2⅞" | | |

Note: Product must be installed in accordance with applicable national and local electrical codes.

- Suffix "SS" for 6TON AND 15500 type dies denotes stainless steel.
- Suffix part number with "PH" denotes part with inspection hole (peep hole), example: 54814BEPH.
- Suffix part number with "BT" denotes blank tongue, example: 54814BEBT. See chart (Bolt hole) for recommended maximum diameter hole.
- Suffix part number with "R" denotes round tongue, example: 54814BER.

Connector dimensions

Product selection - inches

| Drawing | Part no: | Die color | Die code | Bolt size | A | B | C | D | E | F | G | | | |
|---------|----------------|----------------|----------|-----------|--------|------|------|------|------|------|------|------|------|------|
| | 54850BE | Red | 21X | 1/4 | 2.19 | 1.19 | 0.42 | 0.07 | 0.26 | 0.25 | 0.63 | | | |
| | 54851BE | | | 1/4 | 2.31 | 2.31 | 0.47 | 0.06 | 0.26 | 0.25 | 0.75 | | | |
| | 256-30695-1157 | | | 3/8 | 3.00 | 2.10 | 0.56 | 0.06 | 0.26 | 0.38 | 1.00 | | | |
| | | 256-30695-1158 | Blue | 24X | 3/8 | 2.93 | 1.93 | 0.59 | 0.06 | 0.30 | 0.38 | — | | |
| | | 54852BE | | | 1/4 | 2.28 | 1.28 | 0.44 | 0.08 | 0.30 | 0.25 | 0.63 | | |
| | | 256-30695-1225 | | | 1/4 | 2.43 | 1.43 | 0.43 | 0.07 | 0.30 | 0.25 | 0.75 | | |
| | | 54854BE | | | — | 2.31 | 1.19 | 0.52 | 0.10 | 0.37 | 0.25 | 0.63 | | |
| | | 256-30695-1246 | Grey | 29X | 1/4 | — | 1.31 | 0.56 | 0.09 | 0.37 | 0.25 | 0.75 | | |
| | | 256-30695-1159 | | | 3/8 | 3.13 | 1.98 | 0.59 | 0.09 | 0.37 | 0.38 | 1.00 | | |
| | | 256-30695-1300 | | | 1/4 | 2.63 | 1.35 | 0.68 | 0.11 | 0.41 | 0.25 | 0.75 | | |
| | | 54855BE | Brown | 33X | 1/4 | 2.43 | 1.28 | 0.59 | 0.11 | 0.41 | — | 0.63 | | |
| | | 54856BE | | | 5/16 | 2.78 | 1.63 | 0.59 | 0.11 | 0.41 | 0.38 | 0.75 | | |
| | | 256-30695-1160 | | | 3/8 | 3.08 | 1.94 | 0.59 | 0.11 | 0.41 | — | 1.00 | | |
| | | 54811BE | | | 1/2 | 4.28 | 3.00 | 0.88 | 0.11 | 0.41 | 0.50 | 1.75 | | |
| | | 54809BE | Green | 37X | 1/4 | 2.88 | 1.19 | 0.67 | 0.11 | 0.47 | 0.25 | 0.63 | | |
| | | 54812BE | | | 1/4 | 2.75 | 1.40 | 0.67 | 0.11 | 0.47 | — | 0.75 | | |
| | | 54858BE | | | 5/16 | 2.97 | 1.63 | 0.67 | 0.11 | 0.47 | 0.38 | 0.88 | | |
| | | 54857BE | Pink | 42X | 1/2 | 4.43 | 3.00 | 0.88 | 0.10 | 0.47 | 0.50 | 1.75 | | |
| | | 54859BE | | | 1/4 | 2.63 | 1.19 | 0.75 | 0.13 | 0.52 | 0.25 | 0.63 | | |
| | | 54813BE | | | 1/4 | 2.71 | 1.38 | 0.75 | 0.13 | 0.52 | 0.25 | 0.75 | | |
| | | 54860BE | | | 5/16 | 2.97 | 1.63 | 0.75 | 0.13 | 0.52 | 0.38 | 0.88 | | |
| | | 256-30695-1162 | Black | 45X | 3/8 | 3.23 | 1.93 | 0.75 | 0.13 | 0.52 | 0.38 | 1.00 | | |
| | | 54814BE | | | 1/4 | 2.62 | 1.25 | 0.83 | 0.13 | 0.57 | 0.25 | 0.63 | | |
| | | 256-30695-1299 | | | 1/4 | 2.69 | 1.31 | 0.81 | 0.13 | 0.57 | 0.25 | 0.75 | | |
| | | 256-30695-1116 | Orange | 50X | 3/8 | 3.19 | 1.81 | 0.83 | 0.13 | 0.57 | 0.38 | 1.00 | | |
| | | 54862BE | | | 1/2 | 4.20 | 2.81 | 0.83 | 0.13 | 0.57 | 0.50 | 1.75 | | |
| | | 54815BE | | | 1/4 | 2.89 | 1.45 | 0.92 | 0.13 | 0.63 | 0.25 | 0.75 | | |
| | | 54816BE | | | 3/8 | 3.25 | 1.63 | 0.92 | 0.13 | 0.63 | 0.38 | 1.00 | | |
| | | 54864BE | Purple | 54X | 1/2 | 4.48 | 3.00 | 0.92 | 0.13 | 0.63 | 0.50 | 1.75 | | |
| | | 54817BE | | | 1/4 | 3.15 | 1.38 | 1.03 | 0.14 | 0.70 | 0.25 | 0.75 | | |
| | | 256-30695-1117 | | | 3/8 | 3.35 | 1.81 | 1.03 | 0.14 | 0.70 | 0.38 | 1.00 | | |
| | | 54818BE | Yellow | 62X | 3/8 | 4.38 | 2.63 | 1.03 | 0.14 | 0.70 | 0.38 | 1.75 | | |
| | | 54866BE | | | 1/2 | 4.70 | 3.00 | 1.03 | 0.14 | 0.70 | 0.50 | 1.75 | | |
| | | 256-30695-1245 | | | 3/8 | 3.83 | 1.93 | 1.13 | 0.14 | 0.77 | 0.38 | 1.00 | | |
| | | 54868BE | | | 1/2 | 4.92 | 3.00 | 1.13 | 0.14 | 0.77 | 0.50 | 1.75 | | |
| | | 54819BE | White | 66X | 3/8 | 5.04 | 2.80 | 1.25 | 0.15 | 0.85 | 0.38 | 1.00 | | |
| | | 54870BE | | | 1/2 | 5.23 | 3.00 | 1.25 | 0.15 | 0.85 | 0.50 | 1.75 | | |
| | | 54822BE | | | 1/4 | 4.38 | 1.93 | 1.41 | 0.17 | 0.96 | 0.25 | 0.75 | | |
| | | 54821BE | Blue | 76X | 3/8 | 4.43 | 1.93 | 1.41 | 0.17 | 0.96 | 0.38 | 1.00 | | |
| | | 54874BE | | | 1/2 | 5.51 | 3.00 | 1.41 | 0.17 | 0.96 | 0.50 | 1.75 | | |
| | | 54823BE | | | 1/4 | 4.93 | 1.94 | 1.61 | 0.22 | 1.10 | 0.25 | 0.75 | | |
| | | 256-30695-1119 | | | 3/8 | 5.00 | 1.93 | 1.61 | 0.22 | 1.10 | 0.38 | 1.00 | | |
| | | 54876BE | Brown | 87X | 1/2 | 6.00 | 3.00 | 1.61 | 0.22 | 1.10 | 0.50 | 1.75 | | |
| | | 54824BE | | | 3/8 | 5.70 | 2.80 | 1.75 | 0.24 | 1.20 | 0.38 | 1.00 | | |
| | | 54878BE | | | 1/2 | 5.83 | 3.00 | 1.75 | 0.24 | 1.20 | 0.50 | 1.75 | | |
| | | 54879BE | Pink | 99X | 1/2 | 6.00 | 3.00 | 2.81 | 0.28 | 1.25 | 0.50 | 1.75 | | |
| | | 54880BE | | | Black | 106X | 1/2 | 6.20 | 3.00 | 1.94 | 0.27 | 1.33 | 0.50 | 1.75 |
| | | 58884BE | | | | | 1/2 | 6.16 | 3.00 | 1.94 | 0.27 | 1.33 | 0.50 | 1.75 |
| | | 58826BE | | | Yellow | 115X | 1/2 | 6.74 | 3.00 | 2.18 | 0.31 | 1.50 | 0.50 | 1.75 |

- Note: Product must be installed in accordance with applicable national and local electrical codes.
- Suffix part number with "PH" denotes part with inspection hole (peep hole), example: 54814BE**PH**.
 - Suffix part number with "BT" denotes blank tongue, example: 54814BE**BT**. See chart (Bolt size) for recommended maximum diameter hole.
 - Suffix part number with "R" denotes round tongue, example: 54814BE**R**.

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