

RAYCHEM COPPER COMPRESSION SPLICES TCS

STANDARD AND LONG BARREL

KEY FEATURES

- One piece electrolytic copper construction for superior electrical performance
- Electro tin plated finish for corrosion resistance and durability and tempered for easy crimping
- UL Listed as per UL 486A-486B
- Industry standard color coding system simplifies die selection
- Made out of pure electrolytic copper (>99% Cu)

TE Connectivity's (TE) Raychem compression splice connectors (TCS) are ideal for secondary distribution up to 35 kV. Copper compression splices connectors are available to accommodate a range of cable sizes from #8 AWG to 1000 kcmil copper.

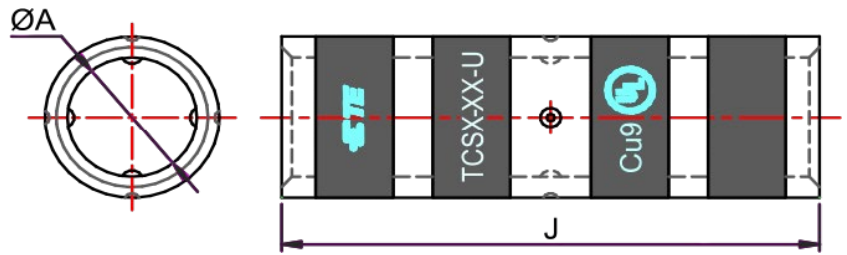
Use for splicing solid and concentric stranded, class B conductors with either a standard or long barrel version and meet the requirements of UL 486.

Compression crimping forms the splice and conductor into a strong, almost homogeneous unit, producing excellent conductivity, low temperature rise, and outstanding resistance to oxidation and corrosion.

Compression of the splice barrel creates a highly reliable connection that enables connector to perform well and at a lower temperature than the conductor during operation.

Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.

Copper Compression Slices - Standard & Long Barrel



| STANDARD BARREL | | | | | LONG BARREL | | | | | LONG BARREL (METRIC CONDUCTORS) | | | | |
|-----------------|-------------------|-----------------------|--------------|------------|-----------------|-------------------|-----------------------|--------------|------------|---------------------------------|---------------------------|-----------------------|--------------|------------|
| TE Product Code | Conductor AWG/MCM | Dimensions in mm (in) | | Color Code | TE Product Code | Conductor AWG/MCM | Dimensions in mm (in) | | Color Code | TE Product Code | Conductor mm ² | Dimensions in mm (in) | | Color Code |
| | | A Ø | J | | | | A Ø | J | | | | A Ø | J | |
| TCSS-8-U | 8 | 4.4 (0.17) | 25.4 (1.00) | Red | TCSL-8-U | 8 | 4.4 (0.17) | 44.5 (1.75) | Red | TCSL-10M-U | 10 | 4.5 (0.18) | 22.0 (0.87) | Red |
| TCSS-6-U | 6 | 5.0 (0.20) | 44.5 (1.75) | Blue | TCSL-6-U | 6 | 5.0 (0.20) | 60.5 (2.38) | Blue | TCSL-16M-U | 16 | 5.4 (0.21) | 44.0 (1.73) | Blue |
| TCSS-4-U | 4 | 6.3 (0.25) | 44.5 (1.75) | Gray | TCSL-4-U | 4 | 6.3 (0.25) | 64.8 (2.55) | Gray | TCSL-25M-U | 25 | 6.8 (0.27) | 47.0 (1.85) | Gray |
| TCSS-2-U | 2 | 7.8 (0.31) | 50.8 (2.00) | Brown | TCSL-2-U | 2 | 7.8 (0.31) | 71.6 (2.82) | Brown | TCSL-35M-U | 35 | 8.2 (0.32) | 47.0 (1.85) | Brown |
| TCSS-1-U | 1 | 9.0 (0.35) | 52.3 (2.06) | Green | TCSL-1-U | 1 | 9.0 (0.35) | 78.0 (3.07) | Green | TCSL-50M-U | 50 | 10.0 (0.39) | 47.0 (1.85) | Pink |
| TCSS-1/0-U | 1/0 | 9.9 (0.39) | 52.8 (2.08) | Pink | TCSL-1/0-U | 1/0 | 9.9 (0.39) | 77.7 (3.06) | Pink | TCSL-70M-U | 70 | 11.3 (0.44) | 50.0 (1.97) | Black |
| TCSS-2/0-U | 2/0 | 11.3 (0.45) | 55.1 (2.17) | Black | TCSL-2/0-U | 2/0 | 11.3 (0.45) | 83.8 (3.3) | Black | TCSL-95M-U | 95 | 13.5 (0.53) | 54.0 (2.13) | Orange |
| TCSS-3/0-U | 3/0 | 12.4 (0.49) | 58.4 (2.3) | Orange | TCSL-3/0-U | 3/0 | 12.4 (0.49) | 83.8 (3.3) | Orange | TCSL-120M-U | 120 | 15.0 (0.59) | 65.0 (2.56) | Purple |
| TCSS-4/0-U | 4/0 | 14.2 (0.56) | 58.9 (2.32) | Purple | TCSL-4/0-U | 4/0 | 14.2 (0.56) | 90.7 (3.57) | Purple | TCSL-150M-U | 150 | 16.5 (0.65) | 65.0 (2.56) | White |
| TCSS-250-U | 250 | 15.1 (0.59) | 62.5 (2.46) | Yellow | TCSL-250-U | 250 | 15.1 (0.59) | 90.9 (3.58) | Yellow | TCSL-185M-U | 185 | 18.5 (0.73) | 65.0 (2.56) | Red |
| TCSS-300-U | 300 | 16.5 (0.65) | 62.7 (2.47) | White | TCSL-300-U | 300 | 16.5 (0.65) | 110.2 (4.34) | White | TCSL-240M-U | 240 | 21.0 (0.83) | 89.0 (3.50) | Brown |
| TCSS-350-U | 350 | 17.8 (0.70) | 66.0 (2.60) | Red | TCSL-350-U | 350 | 17.8 (0.70) | 110.5 (4.35) | Red | TCSL-300M-U | 300 | 23.5 (0.93) | 89.0 (3.50) | Green |
| TCSS-400-U | 400 | 19.3 (0.76) | 69.6 (2.74) | Blue | TCSL-400-U | 400 | 19.3 (0.76) | 117.3 (4.62) | Blue | TCSL-400M-U | 400 | 28.5 (1.12) | 90.0 (3.54) | Black |
| TCSS-500-U | 500 | 21.1 (0.83) | 80.0 (3.15) | Brown | TCSL-500-U | 500 | 21.1 (0.83) | 124.7 (4.91) | Brown | TCSL-500M-U | 500 | 30.0 (1.18) | 115.0 (4.53) | White |
| TCSS-600-U | 600 | 23.4 (0.92) | 81.8 (3.22) | Green | TCSL-600-U | 600 | 23.4 (0.92) | 148.6 (5.85) | Green | | | | | |
| TCSS-750-U | 750 | 26.2 (1.03) | 94.5 (3.72) | Black | TCSL-750-U | 750 | 26.2 (1.03) | 162.1 (6.38) | Black | | | | | |
| TCSS-1000-U | 1000 | 29.7 (1.17) | 108.7 (4.28) | White | TCSL-1000-U | 1000 | 29.7 (1.17) | 176.5 (6.95) | White | | | | | |

Physical & Electrical Properties

| | |
|--|---|
| Material | : ETP copper alloy C11000 |
| Plating | : Electro tin plate |
| Heat treating | : Soft tempered |
| Voltage rating | : For applications up to 35 kV |
| Agency approvals (when crimped with the approved die sets) | : Listed by Underwriters Laboratories, Inc. |



FILE NO.: E13288

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