



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.

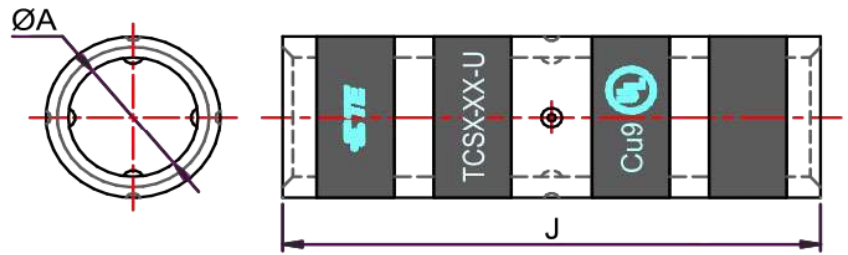
Use for splicing solid and concentric stranded, class B conductors with either a standard or long barrel version and meet the requirements of UL 486.

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

Learn More: [TE.com/energy](https://www.te.com/energy)

© 2023 TE Connectivity Ltd. All Rights Reserved. EPP-3214-8/23-EN-AMS-Copper-Compression-Connector-TE

TE, TE Connectivity, TE connectivity (logo), EVERY CONNECTION COUNTS, Raychem are trademarks owned or licensed by TE Connectivity. Other logos, product and company names mentioned herein may be trademarks of their respective owners. While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions, specifications, and/or information contained herein are for reference purposes only and are subject to change without notice. Consult TE for the latest dimensions, specifications, and/or information. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

Connect with us:
[TE.com/energy-contact](https://www.te.com/energy-contact)