



COLD SHRINK “ALL-IN-ONE” IN-LINE JOINTS (CSJA)

FOR 1/C SHIELDED POWER CABLES (15 kV - 35 kV)

KEY FEATURES

- Pre-expanded EPDM re-jacketing splice and an integrated neutral sock
- Ergonomically designed spiral holdout provides a smooth installation with low release forces
- Total length of the splice body on the holdout is 14 to 19 inches providing a compact design
- Pre-expanded, single piece silicone rubber joint body with high mechanical expansion capability allows a wide application range

TE Connectivity’s (TE) Raychem CSJA “All-In-One” joints offer a reliable, fast and easy-to-install jointing system to assure and maintain high network reliability. TE’s Raychem CSJA are designed to splice tape shield, wire shield, LC shield, UniShield, JCN and flat strap shielded cables from 15 kV up to 35 kV.

The silicone rubber body provides high dielectric strength, high tear strength, low tension set and excellent low temperature recovery. Integrated electrical stress control enhanced by factory molded stress cones and a Faraday cage. Void filling stress relief mastics are not necessary.

TE’s Raychem CSJA joints have a proven shield continuity concept which can also bridge concentric neutrals. They are designed to cover a wide range of applications and to accommodate the variety of cable and conductor types in the networks. The joints accept both mechanical and compression connectors. When shear bolt connectors are used, this is a totally crimpless system.

Our CSJA joints meet IEEE-404 requirements for 15 kV up to 35 kV. Each silicone splice body is factory tested to include AC withstand and partial discharge in accordance with IEEE-404 production tests.

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

Cold Shrink "All-In-One" In-Line Joints CSJA



PRODUCT SELECTION INFORMATION: DIMENSIONS IN INCHES (MM)

Description	Voltage Class	Nominal Cable Range	Min/Max Insulation OD	Max Jacket OD	Neutral Sock (AWG)	Connector Dimensions		Kit Installed Length	Required Installation Space
						Max. OD	Max. Length		
CSJA Joints without mechanical connector									
CSJA-1521	15 kV	#2 - 350	0.69 - 1.20 (17.5 - 30.5)	1.50 (38.1)	1/0	1.30 (33.0)	5.50 (140.0)	29 (737)	39 (990)
CSJA-1522	15 kV	4/0 - 750	0.87 - 1.50 (22.1 - 38.0)	1.80 (46.0)	1/0	1.50 (38.0)	5.50 (140.0)	29 (737)	39 (990)
CSJA-1523	15 kV	350 - 1000	1.03 - 1.58 (26.2 - 40.0)	2.05 (52.1)	2/0	1.65 (42.0)	6.69 (170.0)	33 (838)	43 (1090)
CSJA-1524	15 kV	750 - 1250	1.28 - 2.05 (32.5 - 52.0)	2.60 (66.0)	2/0	1.85 (47.0)	7.90 (200.0)	37 (939)	49 (1244)
CSJA-2822	28 kV	#1 - 500	0.87 - 1.40 (22.1 - 35.6)	1.81 (46.0)	1/0	1.50 (38.0)	5.50 (140.0)	29 (737)	39 (990)
CSJA-2823	28 kV	4/0 - 750	1.03 - 1.58 (26.2 - 40.0)	2.05 (52.1)	2/0	1.65 (42.0)	6.69 (170.0)	33 (838)	43 (1090)
CSJA-2824	28 kV	500 - 1250	1.28 - 2.05 (32.5 - 52.0)	2.60 (66.0)	2/0	1.85 (47.0)	7.90 (200.0)	37 (939)	49 (1244)
CSJA-3523	35 kV	1/0 - 350	1.03 - 1.49 (26.2 - 37.8)	2.05 (52.1)	2/0	1.40 (35.6)	5.50 (140.0)	33 (838)	43 (1090)
CSJA-3524	35 kV	350 - 1000	1.36 - 2.05 (34.54 - 52.0)	2.60 (66.0)	2/0	1.96 (50.0)	7.90 (200.0)	37 (939)	49 (1244)
CSJA-3525	35 kV	750 - 1250	1.63 - 2.36 (41.4 - 60.0)	2.60 (66.0)	2/0	2.36 (60.0)	7.90 (200.0)	37 (939)	49 (1244)
CSJA Joints with copper mechanical connector									
CSJA-1521M0	15 kV	#2 - 4/0	0.69 - 1.20 (17.5 - 30.5)	1.50 (38.1)	1/0	0.268 - 0.575 (6.81 - 14.6)		29 (737)	39 (990)
CSJA-1521M1	15 kV	2/0 - 350	0.69 - 1.20 (17.5 - 30.5)	1.50 (38.1)	1/0	0.376 - 0.736 (9.5 - 18.7)		29 (737)	39 (990)
CSJA-1522M1	15 kV	4/0 - 500	0.87 - 1.40 (22.1 - 35.6)	1.80 (46.0)	1/0	0.376 - 0.736 (9.5 - 18.7)		29 (737)	39 (990)
CSJA-1522M2	15 kV	350 - 750	0.87 - 1.40 (22.1 - 35.6)	1.80 (46.0)	1/0	0.570 - 0.945 (14.5 - 24.0)		29 (737)	39 (990)
CSJA-1523M2	15 kV	350 - 750	1.03 - 1.58 (26.2 - 40.0)	2.05 (52.1)	2/0	0.570 - 0.945 (14.5 - 24.0)		33 (838)	43 (1090)
CSJA-1524M3	15 kV	750-1000	1.28 - 2.05 (32.5 - 52.0)	2.60 (66.0)	2/0	0.736 - 1.152 (18.7 - 29.2)		37 (939)	49 (1244)
CSJA-2822M0	28 kV	#2 - 4/0	0.87 - 1.40 (22.1 - 35.6)	1.80 (46.0)	1/0	0.268 - 0.575 (6.81 - 14.6)		29 (737)	39 (990)
CSJA-2822M1	28 kV	2/0 - 500	0.87 - 1.40 (22.1 - 35.6)	1.80 (46.0)	1/0	0.376 - 0.736 (9.5 - 18.7)		29 (737)	39 (990)
CSJA-2823M2	28 kV	350 - 750	1.03 - 1.58 (26.2 - 40.0)	2.05 (52.1)	2/0	0.570 - 0.945 (14.5 - 24.0)		33 (838)	43 (1090)
CSJA-2824M2	28 kV	500 - 750	1.28 - 2.05 (32.5 - 52.0)	2.60 (66.0)	2/0	0.570 - 0.945 (14.5 - 24.0)		37 (939)	49 (1244)
CSJA-2824M3	28 kV	750 - 1000	1.28 - 2.05 (32.5 - 52.0)	2.60 (66.0)	2/0	0.736 - 1.152 (18.7 - 29.2)		37 (939)	49 (1244)
CSJA-3523M1	35 kV	2/0 - 350	1.03 - 1.49 (26.2 - 37.8)	2.05 (52.1)	2/0	0.376 - 0.736 (9.5 - 18.7)		33 (838)	43 (1090)
CSJA-3524M2	35 kV	350 - 750	1.36 - 2.05 (34.54 - 52.0)	2.60 (66.0)	2/0	0.570 - 0.945 (14.5 - 24.0)		37 (939)	49 (1244)
CSJA-3525M3	35 kV	750 - 1000	1.63 - 2.36 (41.4 - 60.0)	2.60 (66.0)	2/0	0.736 - 1.152 (18.7 - 29.2)		37 (939)	49 (1244)
CSJA Joints with aluminum mechanical connector									
CSJA-1521M4	15 kV	#2 - 3/0	0.69 - 1.20 (17.5 - 30.5)	1.50 (38.1)	1/0	0.268 - 0.470 (6.8 - 11.9)		29 (737)	39 (990)
CSJA-1521M5	15 kV	#2 - 350	0.69 - 1.20 (17.5 - 30.5)	1.50 (38.1)	1/0	0.268 - 0.681 (6.8 - 17.3)		29 (737)	39 (990)
CSJA-1522M6	15 kV	4/0 - 500	0.87 - 1.40 (22.1 - 35.6)	1.80 (46.0)	1/0	0.423 - 0.813 (10.7 - 20.6)		29 (737)	39 (990)
CSJA-1522M7	15 kV	500 - 750	0.87 - 1.40 (22.1 - 35.6)	1.80 (46.0)	1/0	0.736 - 0.998 (18.7 - 25.3)		29 (737)	39 (990)
CSJA-1523M8	15 kV	350 - 750	1.03 - 1.58 (26.2 - 40.0)	2.05 (52.1)	2/0	0.616 - 0.998 (15.7 - 25.3)		33 (838)	43 (1090)
CSJA-1524M9	15 kV	750 - 1000	1.28 - 2.05 (32.5 - 52.0)	2.60 (66.0)	2/0	0.813 - 1.152 (20.6 - 29.2)		37 (939)	49 (1244)
CSJA-2822M5	28 kV	#1 - 350	0.87 - 1.40 (22.1 - 35.6)	1.80 (46.0)	1/0	0.268 - 0.681 (6.8 - 17.3)		29 (737)	39 (990)
CSJA-2822M6	28 kV	4/0 - 500	0.87 - 1.40 (22.1 - 35.6)	1.80 (46.0)	1/0	0.423 - 0.813 (10.7 - 20.6)		29 (737)	39 (990)
CSJA-2823M8	28 kV	350 - 750	1.03 - 1.58 (26.2 - 40.0)	2.05 (52.1)	2/0	0.616 - 0.998 (15.7 - 25.3)		33 (838)	43 (1090)
CSJA-2824M8	28 kV	500 - 750	1.28 - 2.05 (32.5 - 52.0)	2.60 (66.0)	2/0	0.616 - 0.998 (15.7 - 25.3)		37 (939)	49 (1244)
CSJA-2824M9	28 kV	750 - 1000	1.28 - 2.05 (32.5 - 52.0)	2.60 (66.0)	2/0	0.813 - 1.152 (20.6 - 29.2)		37 (939)	49 (1244)
CSJA-3523M5	35 kV	1/0 - 350	1.03 - 1.49 (26.2 - 37.8)	2.05 (52.1)	2/0	0.268 - 0.681 (6.8 - 17.3)		33 (838)	43 (1090)
CSJA-3524M8	35 kV	350 - 750	1.36 - 2.05 (34.54 - 52.0)	2.60 (66.0)	2/0	0.616 - 0.998 (15.7 - 25.3)		37 (939)	49 (1244)
CSJA-3524M9	35 kV	750 - 1000	1.36 - 2.05 (34.54 - 52.0)	2.60 (66.0)	2/0	0.813 - 1.152 (20.6 - 29.2)		37 (939)	49 (1244)
CSJA-3525M10	35 kV	1000 - 1250	1.63 - 2.36 (41.4 - 60.0)	2.60 (66.0)	2/0	1.060 - 1.251 (23.0 - 31.7)		37 (939)	49 (1244)

ORDERING INFORMATION

- Selections are based on the typical dimensions of 100% insulated cables, manufactured in accordance with AEIC standard. Nominal insulation thickness (100%): 15 kV:175mils, 25 kV:260mils, 35 kV:345mils.
- Select the appropriate catalog number. Use the insulation OD, and jacket OD range as the final ordering criteria.
- For mechanical connector included in the kit confirm the correct connector selection according to the Min/Max diameter over the cable conductor from the tables.
- If external grounding is required, order the CSJ-EG kit.
- For other applications or if you have any questions, contact your TE representative.
- Standard package: 1 kit per box.
- Related test reports: EDR-5430, EDR-5455, EDR-5513
- For AL Mechanical connector information request datasheet 9-1773440-4 and for CU request 165972.

COLD-APPLIED EXTERNAL GROUNDING KIT

Description	Length of Moisture Blocked Braid	Braid (AWG)
CSJ-EG-1	24 (610)	#8
CSJ-EG-2	24 (610)	#6
CSJ-EG-3	24 (610)	#4

FOR MORE INFORMATION: TE Technical Support Centers

USA:	+ 1 800 327 6996
Canada:	+ 1 (905) 475-6222
Mexico:	+ 52 (0) 55-1106-0800
Latin/S. America:	+ 54 (0) 11-4733-2200
France:	+ 33 380 583 200
UK:	+ 44 0870 870 7500
Germany:	+ 49 896 089 903
Spain:	+ 34 916 630 400
Italy:	+ 39 333 250 0915
Benelux:	+ 32 16 508 695
Russia:	+ 7 495-790 790 2-200
China:	+ 86 (0) 400-820-6015

te.com/energy

© 2018 TE Connectivity Ltd. All Rights Reserved. EPP-2628-10/18-EN-AM3

Raychem, TE Connectivity and TE connectivity (logo) are trademarks. Other logos, product and/or company names might 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 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 in this catalog are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.