



RAYCHEM COLD SHRINKABLE JOINT (CSJA-JCN/EG) FOR 1/C JACKETED CONCENTRIC NEUTRAL CABLES (15-35 kV)

KEY FEATURES

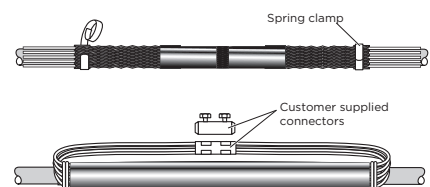
- Pre-expanded EPDM re-jacketing sleeve and integrated neutral sock
- Pre-expanded, single piece silicone rubber joint body with high mechanical expansion capability for wide application range
- Ergonomically designed spiral holdout for smooth installation
- Total length of the splice body on holdout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

“All-in-One” CSJA cold shrinkable joint for 15 kV through 35 kV is designed to splice jacketed concentric neutral (JCN) cables.

The CSJA silicone rubber body provides high dielectric strength, high tear strength, low tension set, and excellent low temperature recovery. It has integrated stress control enhanced by factory molded stress cones and a Faraday cage.

CSJA is usable with both mechanical and compression connectors and no void-filling stress relief mastics are necessary.

Each silicone splice body is factory tested to include AC withstand and partial discharge in accordance with IEEE 404.



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



PRODUCT SELECTION INFORMATION: DIMENSIONS IN INCHES (MM)

Description	Voltage Class	Nominal Cable Range	Min/Max Insulation OD	Max Jacket OD	Connector Dimensions		Kit Installed Length	Required Installation Space
			A	B	Max. OD	Max. Length		
CSJA Joint without Connector								
CSJA-JCN/EG-1511	15 kV	#2 - 350	0.69 - 1.20 (17.5 - 30.5)	1.50 (38.1)	1.30 (33.0)	5.50 (140.0)	29 (737)	37 (940)
CSJA-JCN/EG-1512	15 kV	4/0 - 750	0.87 - 1.40 (22.1 - 35.6)	1.80 (46.0)	1.50 (38.0)	5.50 (140.0)	29 (737)	37 (940)
CSJA-JCN/EG-1513	15 kV	350 - 1000	1.03 - 1.58 (26.2 - 40.0)	2.05 (52.1)	1.65 (42.0)	6.69 (170.0)	33 (838)	41 (1041)
CSJA-JCN/EG-1514	15 kV	750 - 1250	1.28 - 2.05 (32.50 - 52.0)	2.60 (66.0)	1.85 (47.0)	7.90 (200.0)	37 (939)	48 (1219)
CSJA-JCN/EG-2812	28 kV	#1 - 500	0.87 - 1.40 (22.1 - 35.6)	1.80 (46.0)	1.50 (38.0)	5.50 (140.0)	29 (737)	37 (940)
CSJA-JCN/EG-2813	28 kV	4/0 - 750	1.03 - 1.58 (26.20 - 40.0)	2.05 (52.1)	1.65 (42.0)	6.69 (170.0)	33 (838)	41 (1041)
CSJA-JCN/EG-2814	28 kV	500 - 1250	1.28 - 2.05 (32.50 - 52.0)	2.60 (66.0)	1.85 (47.0)	7.90 (200.0)	37 (939)	48 (1219)
CSJA-JCN/EG-3513	35 kV	1/0 - 350	1.03 - 1.49 (26.20 - 37.8)	2.05 (52.1)	1.40 (35.6)	5.50 (140.0)	33 (838)	41 (1041)
CSJA-JCN/EG-3514	35 kV	350 - 1000	1.36 - 2.05 (34.54 - 52.0)	2.6 (66.0)	1.96 (50.0)	7.90 (200.0)	37 (939)	48 (1219)
CSJA-JCN/EG-3515	35 kV	750 - 1250	1.63 - 2.36 (41.40 - 60.0)	2.6 (66.0)	2.36 (60.0)	7.90 (200.0)	37 (939)	48 (1219)

Description	Voltage Class	Nominal Cable Range	Min/Max Insulation OD	Max Jacket OD	Min/Max Diameter Over Cable Conductor*	Kit Installed Length	Required Installation Space
			A	B	E		
CSJA Joint without Connector							
CSJA-JCN/EG-1511M1	15 kV	2/0 - 350	0.69 - 1.20 (17.5 - 30.5)	1.50 (38.1)	0.376 - 0.736 (9.50 - 18.7)	29 (737)	37 (940)
CSJA-JCN/EG-1512M1	15 kV	4/0 - 500	0.87 - 1.40 (22.1 - 35.6)	1.80 (46.0)	0.376 - 0.736 (9.50 - 18.7)	29 (737)	37 (940)
CSJA-JCN/EG-1512M2	15 kV	350 - 750	0.87 - 1.40 (22.1 - 35.6)	1.80 (46.0)	0.570 - 0.945 (14.5 - 24.0)	29 (737)	37 (940)
CSJA-JCN/EG-1513M2	15 kV	350 - 750	1.03 - 1.58 (26.2 - 40.0)	2.05 (52.1)	0.570 - 0.945 (14.5 - 24.0)	33 (838)	41 (1041)
CSJA-JCN/EG-2812M1	28 kV	2/0 - 500	0.87 - 1.40 (22.1 - 35.6)	1.80 (46.0)	0.376 - 0.736 (9.50 - 18.7)	29 (737)	37 (940)
CSJA-JCN/EG-2813M2	28 kV	350 - 750	1.03 - 1.58 (26.2 - 40.0)	2.05 (52.1)	0.570 - 0.945 (14.5 - 24.0)	33 (838)	41 (1041)
CSJA-JCN/EG-2814M2	28 kV	500 - 750	1.28 - 2.05 (32.50 - 52.0)	2.60 (66.0)	0.570 - 0.945 (14.5 - 24.0)	37 (939)	48 (1219)
CSJA-JCN/EG-3513M1	35 kV	2/0 - 350	1.03 - 1.49 (26.20 - 37.8)	2.05 (52.1)	0.376 - 0.736 (9.50 - 18.7)	33 (838)	41 (1041)
CSJA-JCN/EG-3514M2	35 kV	350 - 750	1.36 - 2.05 (34.54 - 52.0)	2.60 (66.0)	0.570 - 0.945 (14.5 - 24.0)	37 (939)	48 (1219)

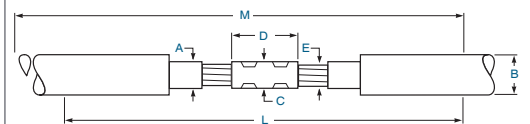
* Min/max diameter over cable conductor accepted by the copper mechanical connector.

CSJA Joint with Aluminum Mechanical ShearBolt Connector							
Description	Voltage Class	Nominal Cable Range	Min/Max Insulation OD	Max Jacket OD	Min/Max Diameter Over Cable Conductor*	Kit Installed Length	Required Installation Space
			A	B			
CSJA-JCN/EG-1511M4	15 kV	#2 - 3/0	0.69 - 1.20 (17.5 - 30.5)	1.50 (38.1)	0.268 - 0.470 (6.80 - 11.9)	29 (737)	37 (940)
CSJA-JCN/EG-1511M5	15 kV	#2 - 350	0.69 - 1.20 (17.5 - 30.5)	1.50 (38.1)	0.268 - 0.681 (6.80 - 17.3)	29 (737)	37 (940)
CSJA-JCN/EG-1512M6	15 kV	4/0 - 500	0.87 - 1.40 (22.1 - 35.6)	1.80 (46.0)	0.423 - 0.813 (10.7 - 20.6)	29 (737)	37 (940)
CSJA-JCN/EG-1512M7	15 kV	500 - 750	0.87 - 1.40 (22.1 - 35.6)	1.80 (46.0)	0.736 - 0.998 (18.7 - 25.3)	29 (737)	37 (940)
CSJA-JCN/EG-1513M8	15 kV	350 - 750	1.03 - 1.58 (26.20 - 40.0)	2.05 (52.1)	0.616 - 0.998 (15.7 - 25.3)	33 (838)	41 (1041)
CSJA-JCN/EG-1514M9	15 kV	750 - 1000	1.28 - 2.05 (32.50 - 52.0)	2.60 (66.0)	0.813 - 1.152 (20.6 - 29.2)	37 (939)	48 (1219)
CSJA-JCN/EG-2812M5	28 kV	#1 - 350	0.87 - 1.40 (22.1 - 35.6)	1.80 (46.0)	0.268 - 0.681 (6.80 - 17.3)	29 (737)	39 (990)
CSJA-JCN/EG-2812M6	28 kV	4/0 - 500	0.87 - 1.40 (22.1 - 35.6)	1.80 (46.0)	0.423 - 0.813 (10.7 - 20.6)	29 (737)	39 (990)
CSJA-JCN/EG-2813M8	28 kV	350 - 750	1.03 - 1.58 (26.20 - 40.0)	2.05 (52.1)	0.616 - 0.998 (15.7 - 25.3)	33 (838)	41 (1041)
CSJA-JCN/EG-2814M8	28 kV	500 - 750	1.28 - 2.05 (32.50 - 52.0)	2.60 (66.0)	0.616 - 0.998 (15.7 - 25.3)	37 (939)	48 (1219)
CSJA-JCN/EG-2814M9	28 kV	750 - 1000	1.28 - 2.05 (32.50 - 52.0)	2.60 (66.0)	0.813 - 1.152 (20.60 - 29.2)	37 (939)	48 (1219)
CSJA-JCN/EG-3513M5	35 kV	1/0 - 350	1.03 - 1.49 (26.20 - 37.8)	2.05 (52.1)	0.268 - 0.681 (6.8 - 17.3)	33 (838)	41 (1041)
CSJA-JCN/EG-3514M8	35 kV	350 - 750	1.36 - 2.05 (34.54 - 52.0)	2.60 (66.0)	0.616 - 0.998 (15.7 - 25.3)	37 (939)	48 (1219)
CSJA-JCN/EG-3514M9	35 kV	750 - 1000	1.36 - 2.05 (34.54 - 52.0)	2.60 (66.0)	0.813 - 1.152 (20.60 - 29.2)	37 (939)	48 (1219)
CSJA-JCN/EG-3515M9	35 kV	750 - 1000	1.63 - 2.36 (41.40 - 60.0)	2.60 (66.0)	0.813 - 1.152 (20.60 - 29.2)	37 (939)	48 (1219)
CSJA-JCN/EG-3515M10	35 kV	1250	1.63 - 2.36 (41.40 - 60.0)	2.60 (66.0)	1.060 - 1.251 (23.0 - 31.7)	37 (939)	48 (1219)
CSJA-JCN/EG-3515M11	35 kV	1500	1.63 - 2.36 (41.40 - 60.0)	2.60 (66.0)	1.217 - 1.390 (30.9 - 35.3)	37 (939)	48 (1219)

* Min/max diameter over cable conductor accepted by the aluminum mechanical connector.

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, jacket OD and the neutral sock equivalent range as the final ordering criteria. To ensure proper parking diameter, calculate jacket OD with concentric neutrals folded back over jacket.
- 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.
- 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
- For AL Mechanical ShearBolt connector information request datasheet 9-1773440-4 and for CU request 165972.



FOR MORE INFORMATION: TE Technical Support Centers

- | | |
|-------------------|-----------------------|
| USA and Canada: | + 1 800 327 6996 |
| 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

© 2019 TE Connectivity Ltd. All Rights Reserved. EPP-2636-DDS-6/19-EN-AMS-CSJA-JCN-EG-Raychem

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.

