

CSJA JCN/EG In-line Cold Shrinkable Joints

FEATURES

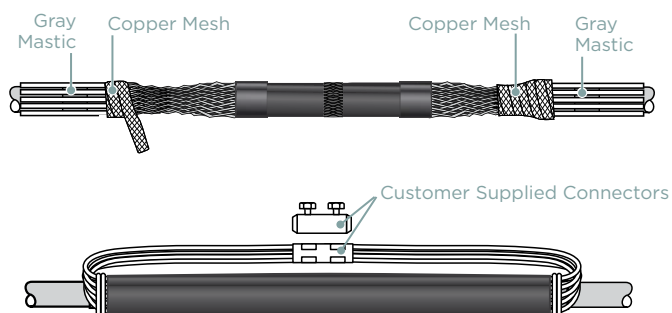
- Total length of the splice body on the holdout is 14 to 19 inches providing a compact design.
- Integrated electrical stress control enhanced by factory molded stress cones and Faraday cage.
- Void filling stress relief mastics are not necessary.
- Proven shield continuity concept. The neutral wires are connected externally. The integrated pre-expanded neutral sock is connected to the neutral wires by a constant force spring. This provides the metallic shielding system to the cable joint.
- The joint accepts both mechanical and compression connectors.
- Meets IEEE-404 standard requirements.

APPLICATIONS

- Cold shrinkable joint for 15 kV through 35 kV. It is designed to splice jacketed concentric neutral (JCN) cables.

BENEFITS

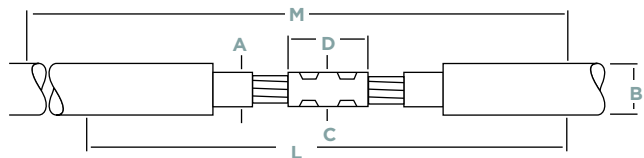
- ♦ This cable joint has a pre-expanded EPDM re-jacketing sleeve and an integrated neutral sock.
- ♦ The "All-in-One" design is easy to install with minimal steps and short installation time.
- ♦ A pre-expanded, single-piece silicone rubber joint body with high mechanical expansion capability allows a wide application range.
- ♦ The silicone rubber body provides high dielectric strength, high tear strength, low tension set, and excellent low temperature recovery.
- ♦ An ergonomically designed spiral holdout provides a smooth installation with low release forces.



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

ADDITIONAL PRODUCT 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 shear bolt 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/box
- Related test report: EDR-5430, EDR-5455
- For AI Mechanical shear bolt connector information request data sheet 9-1773440-4 and for CU request 165972.


PRODUCT SELECTION INFORMATION: DIMENSIONS IN INCHES (MM)

Catalog Number	Voltage Class	Nominal Cable Range	Min - Max Insulation O.D. (A)	Jacket O.D. (max) (B)	Max Connector Dimensions		Kit Installed Length (L)	Required Install Space (M)
					O.D. (C)	Length (D)		
CSJA JCN/EG 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	1.28-2.05 (34.54-52.0)	2.60 (66.0)	1.96 (50.0)	7.90 (200.0)	37 (939)	48 (1219)
CSJA-JCN/EG-3515	35 kV	750-1250	0.63-2.36 (41.40-60.0)	2.60 (66.0)	2.36 (60.0)	7.90 (200.0)	37 (939)	48 (1219)

Catalog Number	Voltage Class	Nominal Cable Range	Min -Max Insulation O.D. (A)	Jacket O.D. (max) (B)	Min - Max Dia. Over Cable Conductor*	Kit Installed Length (L)	Required Install Space (M)
CSJA JCN/EG Joint With Copper mechanical Shear Bolt 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	1.28-2.05 (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.

Catalog Number	Voltage Class	Nominal Cable Range	Min -Max Insulation O.D. (A)	Jacket O.D. (max) (B)	Min - Max Dia. Over Cable Conductor**	Kit Installed Length (L)	Required Install Space (M)
CSJA JCN/EG Joint With Aluminum Mechanical Shear Bolt Connector**							
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	1.28-2.05 (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	1.28-2.05 (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	1000-1250	1.63-2.36 (41.40-60.0)	2.60 (66.0)	1.060-1.251 (23.0-31.7)	37 (939)	48 (1219)

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