



IN-LINE COLD SHRINKABLE JOINTS (CSJ-SR) FOR 1/C SHIELDED POWER CABLES (15 kV - 35 kV)

KEY FEATURES

- **Separate re-jacketing allows neutrals to pass over splice and are protected by robust EPDM re-jacketing**
- **Ergonomically designed spiral holdout provides a smooth installation with low release forces**
- **Splice body is a compact design leading to ease of installation and less time to install**
- **Pre-expanded, single piece silicone rubber joint body with high mechanical expansion capability allows a wide application range**

TE's CSJ-SR cold shrinkable joint with separate re-jacketing sleeve for 15 through 35 kV is designed to splice JCN, BCN and flat strap neutral cables.

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.

The CSJ-SR joint system allows the cable's neutrals to pass under the protective EPDM for a single-point connection, ensuring the full ampacity of the neutrals are maintained. The joint accepts both mechanical and compression connectors. When Shear Bolt connectors are used, this is a totally crimpless system.

TE's CSJ joints meet IEEE-404 requirements for 15 through 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.

In-Line Cold Shrinkable Joints CSJ-SR



PRODUCT SELECTION INFORMATION: DIMENSIONS IN INCHES (MM)

Description	Voltage Class	Nominal Cable Range	Min/Max Insulation OD	Max Jacket OD	Connector Max. OD	Dimensions Max. Length	Kit Installed Length	Required Installation Space
CSJ-SR Joint without connector								
CSJ-SR-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)	39 (990)
CSJ-SR-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)	43 (1090)
CSJ-SR-1514	15 kV	750 - 1250	1.28 - 2.05 (32.5 - 52.0)	2.60 (66.0)	1.85 (47.0)	7.90 (200.0)	37 (939)	49 (1244)
CSJ-SR-2811	28 kV	#2 - 4/0	0.69 - 1.20 (17.5 - 30.5)	1.50 (38.1)	1.30 (33.0)	5.50 (140.0)	29 (737)	39 (990)
CSJ-SR-2813	28 kV	4/0 - 750	1.03 - 1.58 (26.2 - 40.0)	2.05 (52.1)	1.65 (42.0)	6.69 (170.0)	33 (838)	43 (1090)
CSJ-SR-2814	28 kV	500 - 1250	1.28 - 2.05 (32.5 - 52.0)	2.60 (66.0)	1.85 (47.0)	7.90 (200.0)	37 (939)	49 (1244)
CSJ-SR-3513	35 kV	1/0 - 350	1.03 - 1.49 (26.2 - 37.8)	2.05 (52.1)	1.40 (35.6)	5.50 (140.0)	33 (838)	43 (1090)
CSJ-SR-3514	35 kV	350 - 1000	1.36 - 2.05 (34.5 - 52.0)	2.60 (66.0)	1.96 (50.0)	7.90 (200.0)	37 (939)	49 (1244)
CSJ-SR-3515	35 kV	750 - 1500	1.63 - 2.36 (41.4 - 60.0)	2.60 (66.0)	2.36 (60.0)	7.90 (200.0)	37 (939)	49 (1244)
CSJ-SR Joint with Copper Mechanical Shear Bolt connector					Conductor OD Use Range			
CSJ-SR-1511M0	15 kV	#2 - 4/0	0.69 - 1.20 (17.5 - 30.5)	1.50 (38.1)	1.30 - 5.50 (33.0 - 140.0)	29 (737)	39 (990)	
CSJ-SR-1511M1	15 kV	2/0 - 350	0.69 - 1.20 (17.5 - 30.5)	1.50 (38.1)	1.30 - 5.50 (33.0 - 140.0)	29 (737)	39 (990)	
CSJ-SR-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)	43 (1090)	
CSJ-SR-1514M3	15 kV	750 - 1000	1.28 - 2.05 (32.5 - 52.0)	2.60 (66.0)	0.736 - 1.152 (18.7 - 29.2)	37 (939)	49 (1244)	
CSJ-SR-2811M0	15 kV	#2 - 4/0	0.69 - 1.20 (17.5 - 30.5)	1.50 (38.1)	1.30 - 5.50 (33.0 - 140.0)	29 (737)	39 (990)	
CSJ-SR-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)	43 (1090)	
CSJ-SR-2814M2	28 kV	500 - 750	1.28 - 2.05 (32.5 - 52.0)	2.60 (66.0)	0.570 - 0.945 (14.5 - 24.0)	37 (939)	49 (1244)	
CSJ-SR-2814M3	28 kV	500 - 1000	1.28 - 2.05 (32.5 - 52.0)	2.60 (66.0)	0.736 - 1.152 (18.7 - 29.2)	37 (939)	49 (1244)	
CSJ-SR-3513M1	35 kV	2/0 - 350	1.03 - 1.49 (26.2 - 37.8)	2.05 (52.1)	0.376 - 0.736 (9.5 - 18.7)	33 (838)	43 (1090)	
CSJ-SR-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)	49 (1244)	
CSJ-SR-3515M3	35 kV	750 - 1000	1.63 - 2.36 (41.4 - 60.0)	2.60 (66.0)	0.736 - 1.152 (18.7 - 29.2)	37 (939)	49 (1244)	
CSJ-SR Joint with Aluminum Mechanical Shear Bolt connector					Conductor OD Use Range			
CSJ-SR-1511M5	15 kV	#2 - 350	0.69 - 1.20 (17.5 - 30.5)	1.50 (38.1)	1.30 - 5.50 (33.0 - 140.0)	29 (737)	39 (990)	
CSJ-SR-1513M8	15 kV	350 - 750	1.03 - 1.58 (26.2 - 40.0)	2.05 (52.1)	0.616 - 0.998 (15.7 - 25.3)	33 (838)	43 (1090)	
CSJ-SR-1514M9	15 kV	750 - 1000	1.28 - 2.05 (32.5 - 52.0)	2.60 (66.0)	0.813 - 1.152 (20.6 - 29.2)	37 (939)	49 (1244)	
CSJ-SR-2811M5	28 kV	#2 - 4/0	0.69 - 1.20 (17.5 - 30.5)	1.50 (38.1)	1.30 - 5.50 (33.0 - 140.0)	29 (737)	39 (990)	
CSJ-SR-2813M8	28 kV	350 - 750	1.03 - 1.58 (26.2 - 40.0)	2.05 (52.1)	0.616 - 0.998 (15.7 - 25.3)	33 (838)	43 (1090)	
CSJ-SR-2814M8	28 kV	500 - 750	1.28 - 2.05 (32.5 - 52.0)	2.60 (66.0)	0.616 - 0.998 (15.7 - 25.3)	37 (939)	49 (1244)	
CSJ-SR-2814M9	28 kV	600 - 1000	1.28 - 2.05 (32.5 - 52.0)	2.60 (66.0)	0.813 - 1.152 (20.6 - 29.2)	37 (939)	49 (1244)	
CSJ-SR-3513M5	35 kV	1/0 - 350	1.03 - 1.49 (26.2 - 37.8)	2.05 (52.1)	0.268 - 0.681 (6.8 - 17.3)	33 (838)	43 (1090)	
CSJ-SR-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)	49 (1244)	
CSJ-SR-3514M9	35 kV	600 - 1000	1.36 - 2.05 (34.54 - 52.0)	2.60 (66.0)	0.813 - 1.152 (20.6 - 29.2)	37 (939)	49 (1244)	
CSJ-SR-3515M10	35 kV	1250	1.63 - 2.36 (41.4 - 60.0)	2.60 (66.0)	1.060 - 1.251 (23.0 - 31.7)	37 (939)	49 (1244)	
CSJ-SR-3515M11	35 kV	1500	1.63 - 2.36 (41.4 - 60.0)	2.60 (66.0)	1.217 - 1.390 (30.9 - 35.3)	37 (939)	49 (1244)	

ORDERING INFORMATION

- Selections are based on the typical dimensions of 100% insulated cables, manufactured in accordance with AIEC 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-5653, EDR-5654, EDR-5679
- For AL Mechanical connector information request datasheet 9-1773440-4 and for CU request 165972.

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