



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

### KEY FEATURES

- Pre-expanded EPDM rejacketing sleeve and an integrated neutral sock.
- Pre-expanded, single piece silicone rubber joint body with high mechanical expansion capability allows a wide application range.
- 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.

TE Connectivity's (TE) "All-in-One" CSJA cold shrinkable joint for 15 kV through 35 kV is designed to splice tape shield, wire shield, LC shield, UniShield, JCN and flat strap shielded 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.

TE's CSJA joint system's proven shield continuity concept can also bridge concentric neutrals. The joint accepts both mechanical and compression connectors. When a ShearBolt connector is used, this is a totally crimpless system.

CSJA joint system meets IEEE-404 requirements for 15 kV 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.**



**PRODUCT SELECTION INFORMATION: DIMENSIONS IN INCHES (mm)**

Description	Voltage Class	Nominal Cable Range	Min/Max Insulation OD	Max Jacket OD	Neutral Sock (AWG)	Connector Max. OD	Dimensions Max. Length	Kit Installed Length	Required Installation Space
<b>CSJA Joint without Connector</b>									
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 - 38.0)	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)
<b>CSJA Joint with Copper Mechanical ShearBolt Connector</b>									
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)
<b>CSJA Joint with Aluminum Mechanical ShearBolt Connector</b>									
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**

1. 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.
2. Select the appropriate catalog number. Use the insulation OD, and jacket OD range as the final ordering criteria.
3. For mechanical ShearBolt connector included in the kit confirm the correct connector selection according to the Min/Max diameter over the cable conductor from the tables.
4. If external grounding is required, order the CSJ-EG kit.
5. For other applications or if you have any questions, contact your TE representative.
6. Standard package: 1 kit per box.
7. Related test reports: EDR-5430, EDR-5455, EDR-5513
8. For AL Mechanical ShearBolt 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

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