



## COLD SHRINK DISCONNECTABLE JOINT (CSJD)

### FOR 15 KV - 28 KV SUBMERSIBLE SECONDARY CONNECTORS

#### KEY FEATURES

- Pre-expanded EPDM rejacketing sleeve and integrated neutral sock provide easy installation
- Joint body, jacket seal and copper neutral sock integrated into a single unit
- Ergonomically designed spiral holdout provides smooth installation with low release forces
- Meets IEEE 404 (2012) requirements for 15/28 kV

TE Connectivity's (TE's) Raychem CSJD, cold shrinkable disconnectable joint for 15 kV through 28 kV is designed to connect tape shield, LC shield, JCN and flat strap shielded cables to standard 'I', 'Y' and 'H' insulated cable buses.

#### Additional Features:

The silicone rubber body provides high dielectric strength, high tear strength, low tension set, and excellent low temperature recovery.

Integrated electrical stress control is enhanced by factory molded stress cones and a Faraday cage.

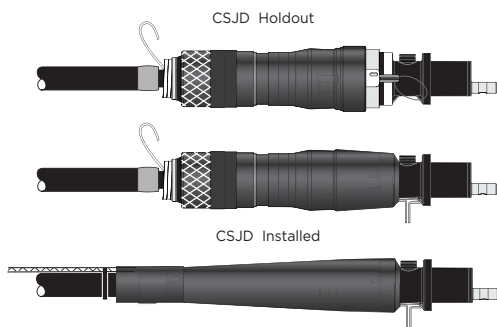
No cable adapter or retaining rings needed because of the cold shrinkable range-taking design.

CSJD kits include copper or aluminum shearbolt connectors and shear-head bus bolts.

The flexible silicone rubber joint body combined with an integrated EPDM jacket provides a tight moisture seal that remains secure, even when the joint is bent or moved.

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

## Cold Shrink Disconnectable Joint



**Sleeve Restraint-D**

TE's unique sleeve restraint secures a molded disconnectable joint to the bus when a CSJD is installed in an opposing position.



**CSJD-Removal Tool**

This tool makes removal of a CSJD disconnectable joint safe and easy, without risk of damaging the cable.

### SELECTION INFORMATION: DIMENSIONS IN INCHES (mm)

| Voltage Class                                                            | Catalog Number | Nominal Cable Range | Min/Max Insulation OD     | Max Jacket OD | Neutral Sock (AWG) | Min/Max Diameter Over Cable Conductor* | Kit Installed Length | Required Installation Space |
|--------------------------------------------------------------------------|----------------|---------------------|---------------------------|---------------|--------------------|----------------------------------------|----------------------|-----------------------------|
| <b>Disconnectable Joint with Aluminum Mechanical ShearBolt Connector</b> |                |                     |                           |               |                    |                                        |                      |                             |
| 15 kV                                                                    | CSJD-1521-A1   | #2 - 350            | 0.69 - 1.20 (17.5 - 30.5) | 1.50 (38.1)   | 1/0                | 0.268 - 0.681 (6.8 - 17.3)             | 24 (610)             | 33 (838)                    |
| 15 kV                                                                    | CSJD-1523-A2   | 350 - 750           | 1.03 - 1.58 (26.2 - 40.0) | 2.05 (52.1)   | 1/0                | 0.616 - 0.998 (15.7 - 25.4)            | 24 (610)             | 33 (838)                    |
| 15 kV                                                                    | CSJD-1524-A3   | 750 - 1000          | 1.28 - 2.05 (32.5 - 52.0) | 2.60 (66.0)   | 2/0                | 0.813 - 1.252 (20.7 - 29.3)            | 24 (610)             | 33 (838)                    |
| 28 kV                                                                    | CSJD-2821-A1   | #2 - 4/0            | 0.69 - 1.20 (17.5 - 30.5) | 1.50 (38.1)   | 2/0                | 0.268 - 0.681 (6.8 - 17.3)             | 24 (610)             | 33 (838)                    |
| 28 kV                                                                    | CSJD-2823-A1   | 4/0 - 350           | 1.03 - 1.58 (26.2 - 40.0) | 2.05 (52.1)   | 2/0                | 0.268 - 0.681 (6.8 - 17.3)             | 24 (610)             | 33 (838)                    |
| 28 kV                                                                    | CSJD-2823-A2   | 350 - 750           | 1.03 - 1.58 (26.2 - 40.0) | 2.05 (52.1)   | 2/0                | 0.616 - 0.998 (15.7 - 25.4)            | 24 (610)             | 33 (838)                    |
| 28 kV                                                                    | CSJD-2824-A2   | 500 - 750           | 1.28 - 2.05 (32.5 - 52.0) | 2.60 (66.0)   | 2/0                | 0.616 - 0.998 (15.7 - 25.4)            | 24 (610)             | 33 (838)                    |
| 28 kV                                                                    | CSJD-2824-A3   | 750 - 1000          | 1.28 - 2.05 (32.5 - 52.0) | 2.60 (66.0)   | 2/0                | 0.813 - 1.252 (20.7 - 29.3)            | 24 (610)             | 33 (838)                    |

### SELECTION INFORMATION: DIMENSIONS IN INCHES (mm)

| Voltage Class                                                          | Catalog Number | Nominal Cable Range | Min/Max Insulation OD     | Max Jacket OD | Neutral Sock (AWG) | Min/Max Diameter Over Cable Conductor* | Kit Installed Length | Required Installation Space |
|------------------------------------------------------------------------|----------------|---------------------|---------------------------|---------------|--------------------|----------------------------------------|----------------------|-----------------------------|
| <b>Disconnectable Joint with Copper Mechanical ShearBolt Connector</b> |                |                     |                           |               |                    |                                        |                      |                             |
| 15 kV                                                                  | CSJD-1521-C1   | #2 - 4/0            | 0.69 - 1.20 (17.5 - 30.5) | 1.50 (38.1)   | 2/0                | 0.268 - 0.528 (6.8 - 13.4)             | 24 (610)             | 33 (838)                    |
| 15 kV                                                                  | CSJD-1521-C2   | 4/0 - 350           | 0.69 - 1.20 (17.5 - 30.5) | 1.50 (38.1)   | 2/0                | 0.376 - 0.813 (9.6 - 20.7)             | 24 (610)             | 33 (838)                    |
| 15 kV                                                                  | CSJD-1523-C3   | 300 - 750           | 1.03 - 1.58 (26.2 - 40.0) | 2.05 (52.1)   | 2/0                | 0.570 - 0.998 (14.5 - 25.3)            | 24 (610)             | 33 (838)                    |
| 28 kV                                                                  | CSJD-1524-C4   | 500 - 1000          | 1.28 - 2.05 (32.5 - 52.0) | 2.60 (66.0)   | 2/0                | 0.736 - 1.152 (18.7 - 29.30)           | 24 (610)             | 33 (838)                    |
| 28 kV                                                                  | CSJD-2821-C1   | #2 - 4/0            | 0.69 - 1.20 (17.5 - 30.5) | 1.50 (38.1)   | 2/0                | 0.268 - 0.528 (6.8 - 13.4)             | 24 (610)             | 33 (838)                    |
| 28 kV                                                                  | CSJD-2823-C2   | 4/0 - 500           | 1.03 - 1.58 (26.2 - 40.0) | 2.05 (52.1)   | 2/0                | 0.376 - 0.813 (9.6 - 20.7)             | 24 (610)             | 33 (838)                    |
| 28 kV                                                                  | CSJD-2823-C3   | 300 - 750           | 1.03 - 1.58 (26.2 - 40.0) | 2.05 (52.1)   | 2/0                | 0.570 - 0.998 (14.5 - 25.3)            | 24 (610)             | 33 (838)                    |
| 28 kV                                                                  | CSJD-2824-C4   | 500 - 1000          | 1.28 - 2.05 (32.5 - 52.0) | 2.60 (66.0)   | 2/0                | 0.736 - 1.152 (18.7 - 29.30)           | 24 (610)             | 33 (838)                    |

### 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.
- Select the appropriate catalog number. Use the insulation OD, and jacket OD range as the final ordering criteria.
- For other applications or if you have any questions, contact your TE representative.
- Standard package: 1 kit per box.
- Related test reports: EDR-5582

### FOR MORE INFORMATION: TE Technical Support Centers

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