



COLD SHRINK JOINT FOR URD CABLES (CSJU-S) IN LINE JOINT FOR JCN, COPPER TAPE, FLAT STRAP, AND LC SHIELDED URD CABLES (15-28 kV)

KEY FEATURES

- Easy release spiral holdout
- Pre-expanded, single piece silicone rubber joint body with high mechanical expansion capability allows a wide application range.
- Pre-expanded EPDM rejacketing sleeve provides superior moisture and environmental sealing.
- All-in-One design is compact and requires less working space (trench) to install.
- Option to include range- taking aluminum Shear Bolt or aluminum compression splice

Our CSJU-S provides a superior cold applied solution to splice jacketed concentric neutral, copper tape, LC shield, and flat strap URD (Underground Residential Distribution) cables. The range of the CSJU-S extends 15 kV #4 - 4/0 AWG and 28 kV #1 - 4/0 AWG.

The silicone rubber body provides high dielectric strength, high tear strength, low tension set, and excellent low temperature recovery. Integrated geometric stress control, created by factory molded stress cones and a Faraday cage, is a technology that has been proven by Our products with long term field service.

The CSJU-S's integrated copper sock provides a simple means for connecting the cable's neutrals through the use of constant force springs. The joint accepts both compression and (bolted) mechanical connectors. When a shear bolt connector is used, this is a totally crimpless system.

The CSJU family meets IEEE-404 requirements for 15 kV through 28 kV. Each silicone splice body is factory tested to include AC withstand and partial discharge in accordance with IEEE-404 production tests. All TE shear bolt and compression connectors offered with the CSJU-S meet the ANSI C119.4 electrical standard.

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

Cold Shrink Joint For URD Cables (CSJU-S)



CSJU-S WITHOUT CONNECTOR

Voltage Class	Catalog Number	Nominal Cable Range	Min-Max Insulation inch (mm)	Max. Jacket O.D. inch (mm)	Connector Dimensions inch (mm)	
					Max. O.D.	Max. Length
15 kV	CSJU-S-1511	#4 - 4/0	0.63 - 0.99 (16.0 - 25.1)	1.26 (32.0)	1.00 (25.4)	3.25 (82.5)
25 kV	CSJU-S-2511	#2 - 2/0	0.84 - 1.03 (21.3 - 26.2)	1.26 (32.0)	1.00 (25.4)	3.25 (82.5)
28 kV	CSJU-S-2822	#1 - 4/0	0.69 - 1.20 (17.5 - 30.5)	1.50 (38.1)	1.30 (33.0)	5.50 (140.0)

CSJU-S WITH ALUMINUM SHEAR BOLT CONNECTOR

Voltage Class	Catalog Number	Nominal Cable Range	Min-Max Insulation inch (mm)	Max. Jacket O.D. inch (mm)
15 kV	CSJU-S-1511-SB1	#2 - 1/0	0.63 - 0.99 (16.0 - 25.1)	1.26 (32.0)
15 kV	CSJU-S-1511-SB2	#2 - 4/0	0.63 - 0.99 (16.0 - 25.1)	1.26 (32.0)
15 kV	CSJU-S-1511-SB2-TN	#4 - 4/0	0.63 - 0.99 (16.0 - 25.1)	1.26 (32.0)
25 kV	CSJU-S-2511-SB1	#2 - 1/0	0.84 - 1.03 (21.3 - 26.2)	1.26 (32.0)
25 kV	CSJU-S-2511-SB2	#2 - 2/0	0.84 - 1.03 (21.3 - 26.2)	1.26 (32.0)
25 kV	CSJU-S-2511-SB2-TN	#2 - 2/0	0.84 - 1.03 (21.3 - 26.2)	1.26 (32.0)
28 kV	CSJU-S-2822-SB2-TN	#1 - 4/0	0.69 - 1.20 (17.5 - 30.5)	1.50 (38.1)

CSJU-S WITH ALUMINUM COMPRESSION CONNECTOR

Voltage Class	Catalog Number	Nominal Cable Range	Min-Max Insulation inch (mm)	Max Jacket OD inch (mm)
15 kV	CSJU-S-1511-ALC0	#2 STR-SOL, #1 SOL	0.63 - 0.99 (16.0 - 25.1)	1.26 (32.0)
15 kV	CSJU-S-1511-ALC1	#1 STR-CPT, 1/0 CPT-SOL	0.63 - 0.99 (16.0 - 25.1)	1.26 (32.0)
15 kV	CSJU-S-1511-ALC2	1/0 STR-CMPR, 2/0 CPT	0.63 - 0.99 (16.0 - 25.1)	1.26 (32.0)
15 kV	CSJU-S-1511-ALC3	2/0-STR-CMPR, 3/0 CPT	0.63 - 0.99 (16.0 - 25.1)	1.26 (32.0)
15 kV	CSJU-S-1511-ALC4	3/0 STR-CMPR, 4/0 CPT	0.63 - 0.99 (16.0 - 25.1)	1.26 (32.0)
15 kV	CSJU-S-1511-ALC5	4/0 STR-CMPR	0.63 - 0.99 (16.0 - 25.1)	1.26 (32.0)
25 kV	CSJU-S-2511-ALC0	#2 STR-SOL, #1 SOL	0.84 - 1.03 (21.3 - 26.2)	1.26 (32.0)
25 kV	CSJU-S-2511-ALC1	#1 STR-CPT, 1/0 CPT-SOL	0.84 - 1.03 (21.3 - 26.2)	1.26 (32.0)
25 kV	CSJU-S-2511-ALC2	1/0 STR-CMPR, 2/0 CPT	0.84 - 1.03 (21.3 - 26.2)	1.26 (32.0)
25 kV	CSJU-S-2511-ALC3	2/0-STR-CMPR, 3/0 CPT	0.84 - 1.03 (21.3 - 26.2)	1.26 (32.0)

Note: the suffix "-TN" means tin-plated and the connector can be used on aluminum and copper

Note: to add a 2-bolt tin-plated shear bolt connector for neutrals, add a "-GC2" suffix onto the end of the part description

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.

Select the appropriate catalog number using the insulation O.D. and jacket O.D. range as the final ordering criteria.

For other applications or if you have questions, contact your TE representative.

Standard package: 1 kit per box.

Related test reports: EDR 5430

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