



COLD SHRINKABLE “ALL-IN-ONE” STRAIGHT JOINT (CSJA)

FOR POLYMERIC INSULATED CABLES UP TO 42 kV

KEY FEATURES

- Joint body, earthing system and re-jacketing pre-expanded on one holdout system
- Single piece silicone rubber joint body with high mechanical expansion capability
- Fully integrated electrical stress control
- Easy-to-install holdout system with short installation time
- Short parking distance
- Mechanical shearbolt connector to IEC 61238-1 is supplied with the kit
- Proven shield continuity concept

TE Connectivity's (TE) Raychem CSJA joints offer a reliable, fast and easy-to-install jointing system to assure and maintain high network reliability. All key components are pre-expanded on one holdout system, allowing a very short parking length during cable preparation. A silicone rubber joint body with integrated geometrical stress cones and a Faraday cage provides excellent electrical stress control.

TE's Raychem CSJA joints are designed to cover a wide range of applications and to accommodate the variety of cable and conductor types in the networks. Range-taking mechanical connectors ensuring reliable installation and service are supplied with the kit.

The silicone rubber body provides high dielectric strength, high tear strength and excellent low temperature recovery. Integrated stress control mechanism and conductive outer layer provide exceptional electrical performance. The coverage of voids and edges at the connection area with void fillers is not necessary.

The silicone rubber joint body is delivered in a pre-expanded condition on a spiral holdout system. The joint body can be easily removed from the holdout with low release forces, particularly designed for joint applications.

CSJA exceeds CENELEC HD 629.1, requirements which include IEC, BS, VDE and other international specifications.

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

Cold Shrinkable "All-In-One" Straight Joint (CSJA)



PRODUCT SELECTION INFORMATION

Description	Application Range (mm ²)*	Diameter Over Core Insulation	Diameter Over Outer Sheath	Diameter Over Conductor**	Admissible Connector Dimensions*** Max Length	Diameter
CSJA without mechanical connector						
12 kV						
CSJA-12B1/1XU-1XU	95 - 240	18.6 - 28.4	26.0 - 39.0	-	145.0	19.0 - 34.0
CSJA-12B/1XU-1XU	95 - 240	18.6 - 28.4	26.0 - 39.0	-	145.0	19.0 - 34.0
CSJA-12C/1XU-1XU	185 - 300	23.2 - 32.6	30.0 - 44.0	-	145.0	23.0 - 37.0
CSJA-12D/1XU-1XU	240 - 400	25.7 - 33.6	33.0 - 45.0	-	170.0	26.0 - 42.0
CSJA-12E/1XU-1XU	500 - 800	34.4 - 42.2	43.0 - 58.0	-	200.0	34.0 - 50.0
24 kV						
CSJA-24B/1XU-1XU	35 - 185	18.9 - 30.1	26.0 - 41.0	-	145.0	19.0 - 34.0
CSJA-24C/1XU-1XU	95 - 300	23.5 - 34.6	30.0 - 46.0	-	145.0	23.0 - 37.0
CSJA-24D/1XU-1XU	185 - 400	27.4 - 37.8	35.0 - 49.0	-	170.0	26.0 - 42.0
CSJA-24E/1XU-1XU	400 - 630	35.1 - 44.0	43.0 - 57.0	-	200.0	34.0 - 50.0
CSJA-24F/1XU-1XU	800- 1000	43.9 - 53.2	58.5 - 67.0	-	200.0	41.0 - 60.0
36 (42) kV						
CSJA-36D/1XU-1XU	70 - 240	26.2 - 37.6	34.0 - 48.0	-	140.0	26.0 - 38.0
CSJA-36E/1XU-1XU	240 - 630	34.9 - 49.2	42.0 - 61.0	-	200.0	34.0 - 50.0
CSJA-36F/1XU-1XU	500 - 800	42.6 - 53.4	51.0 - 66.0	-	200.0	41.0 - 56.0
CSJA with mechanical connector						
12 kV						
CSJA-12B1/1XU-1XU-M	95 - 240	18.6 - 28.4	26.0 - 39.0	11.0 - 19.2	-	-
CSJA-12B/1XU-1XU-M	95 - 240	18.6 - 28.4	26.0 - 39.0	11.0 - 19.2	-	-
CSJA-12C/1XU-1XU-M	185 - 300	23.2 - 32.6	30.0 - 44.0	15.5 - 23.1	-	-
CSJA-12D/1XU-1XU-M	240 - 400	25.7 - 33.6	33.0 - 45.0	17.8 - 24.6	-	-
CSJA-12E/1XU-1XU-M1	500	33.7 - 36.2	43.0 - 48.0	25.7 - 27.6	-	-
CSJA-12E/1XU-1XU-M2	630	38.0 - 40.0	47.0 - 52.0	29.3 - 32.5	-	-
24 kV						
CSJA-24B/1XU-1XU-M	35 - 150	18.9 - 28.5	26.0 - 39.0	6.8 - 15.0	-	-
CSJA-24C/1XU-1XU-M1	95 - 240	23.5 - 32.6	30.0 - 44.0	11.0 - 19.2	-	-
CSJA-24C/1XU-1XU-M2	120 - 300	24.3 - 34.6	32.0 - 46.0	12.5 - 23.1	-	-
CSJA-24D/1XU-1XU-M	185 - 400	27.4 - 37.8	35.0 - 49.0	15.5 - 24.6	-	-
CSJA-24E/1XU-1XU-M1	500	37.9 - 40.6	46.0 - 52.0	25.7 - 27.6	-	-
CSJA-24E/1XU-1XU-M2	630	41.0 - 44.0	56.0 - 57.0	29.3 - 32.5	-	-
36 (42) kV						
CSJA-36D/1XU-1XU-M	95 - 240	27.8 - 37.6	35.0 - 48.0	11.0 - 19.2	-	-
CSJA-36E/1XU-1XU-M1	240 - 400	34.9 - 42.8	42.0 - 54.0	17.8 - 24.6	-	-
CSJA-36E/1XU-1XU-M2	500	42.6 - 45.6	51.0 - 57.0	25.7 - 27.6	-	-
CSJA-36E/1XU-1XU-M3	630	45.8 - 49.2	56.0 - 61.0	29.3 - 32.5	-	-

* The application range given in the table is based on polymeric insulated cables according to IEC 60502 with stranded circular conductors.

Due to different conductor dimensions and/or cable constructions the minimum and maximum application range may be extendable.

Please contact your local sale representative.

** The diameter over conductor is needed only for kits including TE's BSM connectors. The values given in the selection table refer to aluminum circular conductors and may change for other materials and shapes.

*** 10 mm max. block thickness of connector.

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