COLD SHRINK “ALL-IN-ONE” STRAIGHT JOINTS (CSJA)

FOR POLYMERIC INSULATED CABLES UP TO 42 kV

KEY FEATURES

- Joint body, earthing system and rejacketing pre-expanded on one holdout system for short and easy installation
- Ergonomically designed spiral holdout for a safe installation with low release forces for the installer
- Single piece joint body with integrated electrical stress control and a Faraday cage
- Silicone rubber joint body with high mechanical expansion capability and wide application range
- Mechanical connector to IEC 61238-1 is supplied with the kit

TE Connectivity’s (TE) Raychem CSJA “All-In-One” joints offer a reliable, fast and easy-to-install jointing system to assure and maintain high network reliability. Our key components are pre-expanded on one holdout system, allowing a very short parking length during cable preparation.

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 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. The joint accepts both mechanical and compression connectors. When a shear bolt connector is used, this is a totally crimpless system.

TE’s Raychem 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.

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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