



## COLD SHRINK STRAIGHT JOINTS (CSJT)

### FOR SINGLE AND THREE-CORE POLYMERIC INSULATED CABLES UP TO 52 kV

#### KEY FEATURES

- Single piece silicone rubber joint, pre-expanded on a well-known and easy-to-install holdout system
- High mechanical expansion capability allows a wide application range
- Effective electrical stress control on the screen cut areas by integrated conductive geometrical stress cones
- Mechanical shear bolt connector or compression connector can be supplied with the kit
- Excellent resistance to splitting and permanent set

TE Connectivity's (TE) Raychem CSJT joints offer a fast and easy-to-install jointing system to assure and maintain high power network reliability. The joints are designed to cover a wide range of applications and accommodate a variety of cable and conductor types.

The silicon rubber body of CSJT is made of high performance liquid silicone material which is specially formulated for excellent tracking and split resistance.

TE's mechanical connector ensures a reliable connection of different conductor materials in today's network. Its preset shear torque of the bolts and special designed surface ensures the correct contact pressure and effectiveness of electrical connection. All connectors meet the criteria of IEC-61238-1 class A and GB 9327.

TE also provides multiple options for application in harsh environment, such as with TE's Raychem CRSM heat-shrink wraparound to enhance reliability for longer service time under water, or with TE's Raychem RFPT self-adhesive inflaming retarding tape to reinforce fire-resistance capacity, or with fast and easily filled resin outer sealing and protection system to provide effective water and impact resistance.

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

## Cold Shrink Straight Joints (CSJT)



### PRODUCT SELECTION INFORMATION


Voltage class	Kit Description	Application Range (mm <sup>2</sup> )	Diameter Over Insulation MIN (mm)	Diameter Over Insulation MAX (mm)	Diameter Over Sheath MAX (mm)
<b>8.7/15 (17.5) kV *without connector</b>					
1-core cable	CSJT-10-5015-SC	50 - 150	18	26	39
	CSJT-10-1830-SC	185 - 300	25.8	32.3	46
	CSJT-10-4063-SC	400 - 630	33	42.3	56.5
3-core cable	CSJT-10-2535	25 - 35	16	19	54
	CSJT-10-5015	50 - 150	18	26	72.7
	CSJT-10-1830	185 - 300	25.8	32.3	88
	CSJT-10-400	400	33	35.4	95
	CSJT-10-500	500	36.4	38.3	102
<b>12/20 (24) kV *without connector</b>					
1-core cable	CSJT-24-3595-SC	35 - 95	18	25.1	38
	CSJT-24-9518-SC	95 - 185	23.6	30	44
	CSJT-24-1840-SC	185 - 400	27.8	37.4	53
	CSJT-24-4063-SC	400 - 630	35	44.3	59
3-core cable	CSJT-24-3595	35 - 95	18	25.1	71
	CSJT-24-1230	120 - 300	25	34.3	93
	CSJT-24-400	400	35	37.4	99
	CSJT-24-500	500	38.4	40.3	107
<b>26/35(40.5)kV * with mechanical connector in the kit</b>					
1-core cable	CSJT-35-3570-SC-CN	35 - 70	28	33.4	48
	CSJT-35-9515-SC-CN	95 - 150	33.6	38.1	53
	CSJT-35-1830-SC-CN	185 - 300	37.8	44.3	60
	CSJT-35-400-SC-CN	400	45	47.4	63
	CSJT-35-500-SC-CN	500	48.4	50	69
	CSJT-35-630-SC-CN	630	52.4	54.3	73
3-core cable	CSJT-35-3570-CN	35 - 70	28	33.4	-
	CSJT-35-9515-CN	95 - 150	33.6	38.1	-
	CSJT-35-1830-CN	185 - 300	37.8	44.3	-
	CSJT-35-400-CN	400	45	47.4	-
	CSJT-35-500-CN	500	48.4	50	-
<b>27.5/52kV * with mechanical connector in the kit</b>					
1-core cable	CSJT-27.5-150-SC	150	39.4	40.8	48.9
	CSJT-27.5-185-SC	185	40.9	42.3	50.5
	CSJT-27.5-240-SC	240	43.1	44.5	52.9
	CSJT-27.5-300-SC	300	45.5	47.5	55
	CSJT-27.5-400-SC	400	48.6	50.6	58.3

The application range given in the table is based on polymeric insulated cable with stranded circular conductors according to GB 12706.2.3-2008 standard. Due to different conductor shape or dimensions and cable constructions, the minimum and maximum application range may be extendable.

### Test Reports

The products are type tested in accordance with GB 12706.4-2008 specifications.

### APPLICATION RANGE (8.7/15 kV, 12/20 kV, 26/35 kV)

Part Description	Application Range (mm <sup>2</sup> )	Mechanical Connector
BSM-25/95	25 - 95	
BSMB-35/150-K1	35 - 150	
BSMB-95/240-K1	95 - 240	
BSMB-120/300-K1	120 - 300	
BSMB-185/400-K1	185 - 400	
BSMB-500 MK2	500	
BSMB-630 MK2	630	

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