

RCSJ COLD SHRINK JOINT



Shrink joints for polymeric insulated medium voltage cables U O /U (U m) 6/10 (12) - 18/30 (36) kV

The RCSJ compact cold shrink joint consists of an inner and an outer tube made of silicone rubber in monobloc construction. Both are mounted on support spirals, which allow easy and fast shrinking with a small size ratio. Small parts required are included in the kit.

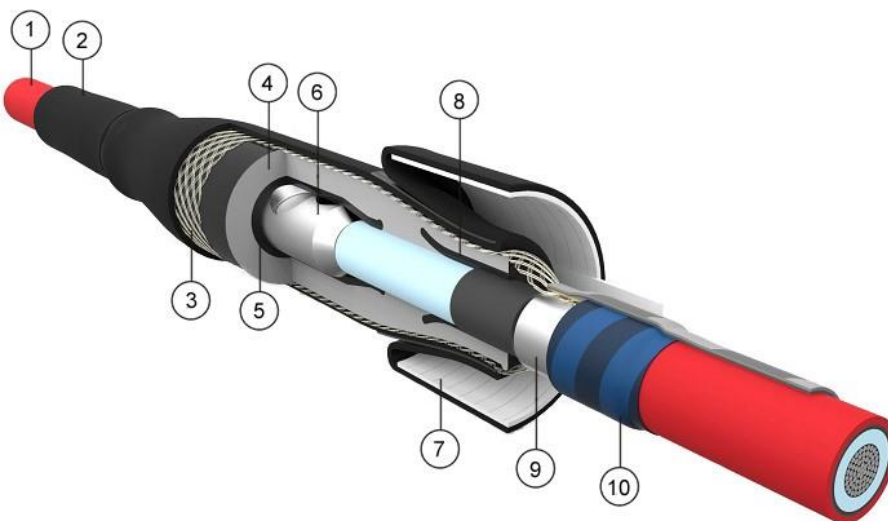
Features:

- compact structure in monobloc design for quick and tool-free installation of the sleeve body
- small size ratio, short park position on the cable
- with test certificate
- suitable for cross-sections up to 630mm² with common polymeric insulated single-core cables up to 36kV
- integrated stress control and Faraday cage in the inner tube
- incl. screw connector
- clear installation instructions with link to installation videos
- working temperature from -20°C to +60°C

Schematic representation cold shrink joint RCSJ 20 kV:

1 Cable sheath	5 Faraday cage	9 Roll spring
2 Silicone outer tube	6 Screw connector *	10 Insulating pad
3 CU shielding braid	7 Support spiral	
4 Silicone inner tube	8 Stress control (both sides)	

* optional ohne Verbinder



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RCSJ series cold shrink joints:

Item-No.	Item Description	Type	Dimensions mm		Voltage kV	cable cross section mm	Shrink ratio
			L	D			
186012-1RMC	RCSJ12EL095.150.RMC	I	330	44	6/10	95-150	3.1
186012-2RMC	RCSJ12EL120.240.RMC	II	360	54	6/10	120-240	3.5
186012-5RMC	RCSJ12EL185.300.RMC	V	360	54	6/10	185-300	3.5
186012-3RMC	RCSJ12EL300.400.RMC	III	460	80	6/10	300-400	3.5
186012-4RMC ¹	RCSJ12EL500.630.RMC	IV	460	800	6/10	500-600	3.5
186024-1RMC	RCSJ24EL035.095.RMC	I	330	44	12/20	35-95	3.1
186024-2RMC	RCSJ24EL095.240.RMC	II	360	54	12/20	95-240	3.5
186024-5RMC	RCSJ24EL150.300.RMC	V	360	54	12/20	150-300	3.5
186024-3RMC	RCSJ24EL185.400.RMC	III	460	80	12/20	185-400	3.5
186024-4RMC ¹	RCSJ24EL400.630.RMC	IV	460	80	12/20	400-630	3.5

¹ available soon

Schematic figure RCSJ compact cold shrink joint



Dimensions see tables

L = Overall length

D = max. inner diameter of expanded inner tube

Compact sleeve size

	I	II	V	III
Item-No.	186024-1RMC	186024-2RMC	186024-5RMC	186024-3RMC
Description ¹	RCSJ24EL035.095.RMC	RCSJ24EL095.240.RMC	RCSJ24EL150.300.RMC	RCSJ24EL185.400.RMC
Voltage level max.	30kV	30kV	30kV	30kV
∅ Inner tube	42-44 mm	52-54 mm	62 mm	78-80 mm
∅ min. recovered	13 mm	15 mm	18 mm	22 mm
Shrink ratio	3,1	3,5	3,5	3,5
∅ Cable insulation min.	16,5 mm	20 mm	***	26 mm
∅ Cable insulation max.	24 mm	35 mm	***	56 mm
∅ Cable sheath max.	30 mm	40 mm	***	66 mm
Overall length	330 mm	360 mm	400 mm	460 mm
Connector length max.	102 mm	120 mm	***	230 mm

¹ The details given in this table refer to voltage level 20kV