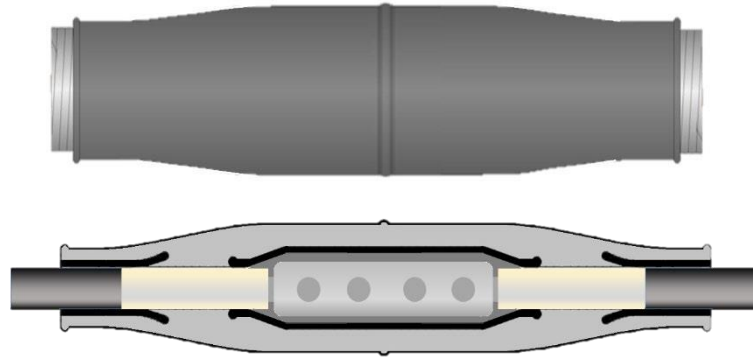


RCSJ

REPL range of Cold Shrink Joints are suitable for installations on medium voltage cables up to 36kV.

The Joint consists of a moulded silicon rubber body with integrated central Faraday Cage and geometric stress control at both ends, and a semi-conductive outer layer which reinstates the key layers of the cable being jointed.

The joint bodies are pre-expanded onto a spiral former providing a suitable diameter clearance to allow easy location over cables and connectors. Once correctly located the body is shrunk down by simply pulling out the spiral tape former.



To complete the joint, the cable metallic screens are connected using an appropriate method. There is a range of options available for the outer protection such as cold shrink or heat shrink tubing's, or resin encapsulation using plastic shells and resin.

Because the RCSJ requires no special tools or heat source for installation, it is ideal for areas where heat tools are not allowed or accessible.

A range of bodies to cover cables up to 36kv in single core, three core designs and trifurcating with either extruded or paper insulation.



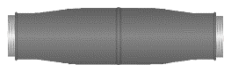

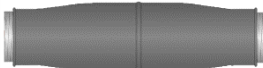
- Tested to **CENELEC HD 629.1.S2**
- Quick and easy installation using no heat source or special tools
- One piece design with integrated central Faraday cage and screen stress control cones
- Short parking distance required means compact joint bay area
- Silicon Rubber material for excellent electrical insulation properties
- Suitable for a wide range of mechanical and compression cable connectors
- Long shelf life under normal storage conditions
- Kits for armoured and unarmoured type cables can be supplied
- Choice of outer protection materials



Technical Details				
Voltage Class >	12kV	17.5kV	24kV	36kV
Cross Section Range (mm ²)	50 - 1000	50 - 1000	35 - 1000	50 - 1000
Cable Insulation Diameter (mm)	15 - 46	17 - 48	18 - 50	24 - 55
Voltage Rating U ₀ /U(U _m) kV	6.35/11 (12)	8.7/15 (17.5)	12.7/22 (24)	19/33 (36)
Basic Impulse Level (BIL) kV	95	95	125	194
Partial Discharge at 2U ⁰ (pC)	<10	<10	<10	<10
AC Voltage Withstand , 5 min (kV)	>28.5	>39	>57	>85.5
DC Voltage Withstand , 15min (kV)	>38	>52	>76	>114

Please see overleaf for details of the range and kit options

Cold Shrink Joint Body Selection:

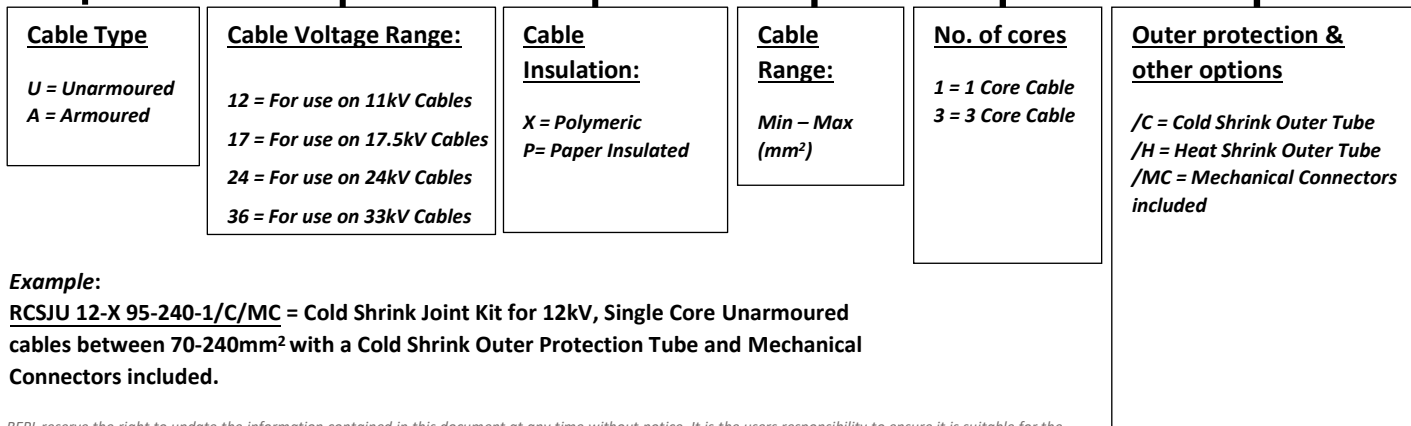
RCSJ Selection	Overall Length	Insulation Diameter Range	Maximum/Minimum Connector Diameter	Maximum Connector Length	Maximum Cable Jacket Diameter	Typical Application Range *based on IEC Cable Design (mm ²)			
						12kV	17.5kV	24kV	36kV
Code	mm	∅mm	∅mm	mm	∅mm				
RCSB 4013-330 	330	17-24	25-30	100	30	50-150	35-120	35-70	-
RCSB 5215-360 	360	19-32	29-38	126	38	95-300	70-300	70-240	50-150
RCSB 6218-400 	400	22-38	30-45	150	45	185-500	150-400	95-300	50-240
RCSB 7522-460 	460	30-42	36-52	200	52	400-800	300-630	185-400	150-400
RCSB 9028-500 	500	40-70	48-65	240	65	500-1000	500-1000	300-1000	240-1000

Cold Shrink Joint Kit selection:

Selection of actual kits is based on using correct body from above table and adding in relevant parts considering the cable types, screen re-connection method and outer protection options.

The chart below describes the full kit order code conventions:

RCSJ(U/A) XX - X xxx-xxx - 1/3 /X...



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