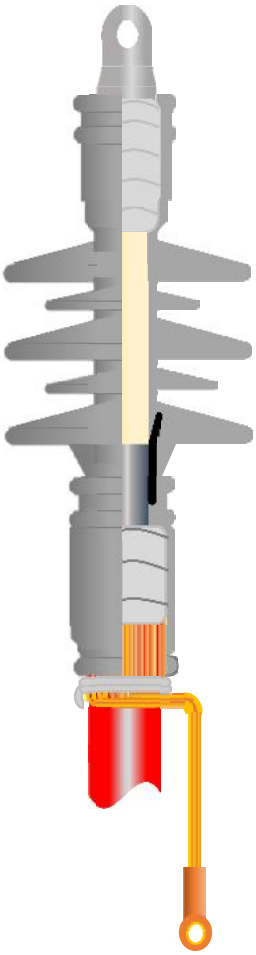
POWER CABLE ACCESSORIES CATALOGUE



CABLE JOINTING – TERMINATING – SHEATH REPAIR – SEALING – BUSBAR INSULATION – HEAT SHRINK – CABLE BREAKOUTS – CABLE END CAPS – PHASE IDENTIFICATION – CABLE ABANDONMENT – COLD SHRINK – CABLE LOOPS – SEPARABLE CONNECTORS – CABLE GLANDS – PUSH ON PREMOULDED – MASTICS – TUBING – TAPES – SMART ACCESSORIES – JOINTING

RCST-(7-36)



Moulded body with integrated creepage sheds



Moulded body without creepage sheds for indoor dry box

Cable Terminations for 1/3 core cables from 7kV to 36kV

REPL range of Cold Shrinkable Terminations are suitable for installations on medium voltage cables with polymeric insulation up to 36kV.
The termination is a one piece moulded design with an outer layer of highly track resistant silicone rubber and integrated conductive geometric stress cone.

The termination bodies are pre-expanded onto a spiral former providing a suitable diameter to allow easy locating over cables and lugs. Once correctly located the body is collapsed by simply pulling out the spiral tape.
After installation, the termination provides a reliable, void free and flexible termination suitable for both indoor and outdoor environments.

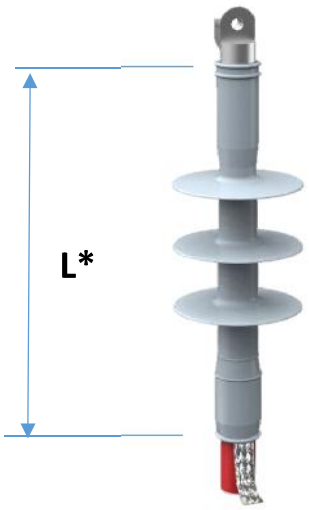
Because the RCST requires no special tools or heat source for installation, it is ideal for areas where heat tools are not allowed or accessible.

There is a range of bodies in various lengths and moulded shed arrangements to cover indoor and outdoor terminations from 7.2kV to 36kV in single core and three core designs

Technical Details for RCST Cold Shrinkable Cable Termination System

Voltage Class:	7.2kV	12kV	17.5kV	24kV	36kV
Cross Section Range (mm^2)	25 - 630	25 - 1000	35 - 1000	35 - 1000	50 - 1000
Cable Insulation Diameter (mm)	13 - 36	15 - 46	17 - 48	18 - 50	24 - 55
Voltage Rating U_0/U (U_m) kV	3.8/6.6 (7.2)	6.35/11 (12)	8.7/15 (17.5)	12.7/22 (24)	19/33 (36)
Basic Impulse Level (BIL) kV	60	95	95	125	194
Partial Discharge at $1.73U^0$ (pC)	<10	<10	<10	<10	<10
AC Voltage Withstand , 1 min (kV)	>15	>25.5	>35	>51	>76
AC Voltage Withstand , 5 min (kV)	>17	>28.5	>39	>57	>85.5
DC Voltage Withstand , 15min (kV)	>23	>38	>52	>76	>114

©REPL 2019



RCST-(7-36)X-1

Cable Terminations for 1 core cables from 6kV to 36kV

- Tested to **CENELEC HD 629.1.S2**
- Quick and easy installation using no heat source or tools
- One piece design with integrated stress control
- Silicon Rubber material for excellent electrical insulation and weathering properties
- Can be combined with gland or earth kit for armoured cables

	Conductor Cross Section *(See Note 1)* (mm²)	Insulation Diameter Range Ø mm	Maximum overall diameter of cable sheath Ø mm	Product Code Single Core **INDOOR** Termination	Tail Length L mm	Product Code Single Core **OUTDOOR** Termination	Tail Length L mm
	Cold Shrinkable Termination for Polymeric Insulated single core cables rated at Um= 7.2kV						
7.2 kV	**95 - 150**	17 - 24	30	RCSTI 7X 95-150-1	320	RCSTO 7X 95-150-1	370
7.2 kV	**185 - 300**	19 - 32	42	RCSTI 7X 185-400-1	320	RCSTO 7X 185-400-1	370
7.2 kV	**400 - 630**	30 - 42	65	RCSTI 7X 500-630-1	320	RCSTO 7X 500-630-1	370
	Cold Shrinkable Termination for Polymeric Insulated single core cables rated at Um= 12kV						
12 kV	**50 - 95**	17 - 24	30	RCSTI 12X 50-95-1	320	RCSTO 12X 50-95-1	370
12 kV	**95 - 300**	19 - 32	42	RCSTI 12X 95-300-1	320	RCSTO 12X 95-300-1	370
12 kV	**400 - 800**	30 - 42	65	RCSTI 12X 400-800-1	320	RCSTO 12X 400-800-1	370
	Cold Shrinkable Termination for Polymeric Insulated single core cables rated at Um= 17.5kV						
17.5 kV	**35 - 95**	17 - 24	30	RCSTI 17X 35-95-1	320	RCSTO 17X 35-95-1	370
17.5 kV	**120 - 240**	19 - 32	42	RCSTI 17X 120-240-1	320	RCSTO 17X 120-240-1	370
17.5 kV	**300 - 630**	30 - 42	65	RCSTI 17X 300-630-1	320	RCSTO 17X 300-630-1	370
	Cold Shrinkable Termination for Polymeric Insulated single core cables rated at Um= 24kV						
24 kV	**35 - 70**	17 - 24	30	RCSTI 24X 35-70-1	350	RCSTO 24X 35-70-1	370
24 kV	**95 - 150**	19 - 32	42	RCSTI 24X 95-185-1	350	RCSTO 24X 95-185-1	370
24 kV	**185 - 400**	30 - 42	65	RCSTI 24X 240-500-1	350	RCSTO 24X 240-500-1	370
	Cold Shrinkable Termination for Polymeric Insulated single core cables rated at Um= 36kV						
36 kV	**50 - 120**	19 - 32	42	RCSTI 36X 50-120-1	370	RCSTO 36X 50-120-1	500
36 kV	**150 - 400**	30 - 42	65	RCSTI 36X 150-400-1	370	RCSTO 36X 150-400-1	500
36 kV	**500 - 1000**	40 - 60	78	RCSTI 36X 500-1000-1	370	RCSTO 36X 500-1000-1	500

*Tail length is linear length of termination body at fully recovered state.

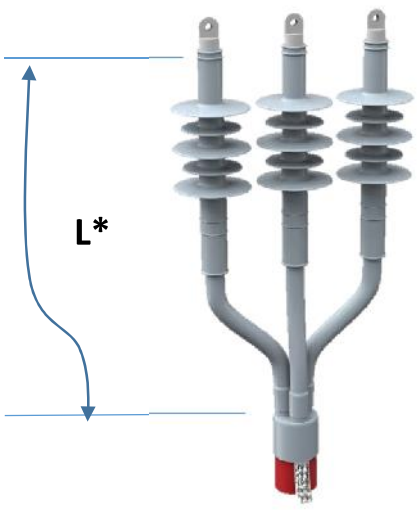
The creepage length on outdoor termination is dictated by number of sheds and normally represents >31mm /kV ⇔ Class IV very Heavy according to IEC 60071-2

Note 1 = Cross section is a guide only based on standard IEC designs- the cable insulation diameter is more critical dimension to ensure body fits the cable to be terminated.

For cables with tape screen and armour, additional earth kits are required.

 ©REPL 2019

RCST-(7-36)X-3



Cable Terminations for 3 core cables from 7kV to 36kV

- Utilising Cold Shrinkable termination body combines with additional Cold Shrinkable tubing and breakout
- Adjustable tail length
- All cold installation
- Can be combined with gland or earth kit for armoured cables

	Conductor Cross Section *(See Note 1)* (mm²)	Insulation Diameter Range Ø mm	Maximum overall diameter of cable sheath Ø mm	Product Code Three Core **INDOOR** Termination	Tail Length L mm	Product Code Three Core **OUTDOOR** Termination	Tail Length L mm
	Cold Shrinkable Termination for Polymeric Insulated single core cables rated at Um= 7. kV						
7.2 kV	**95 - 150**	17 - 24	30	RCSTI 7X 95-150-3	450	RCSTO 7X 95-150-3	600
7.2 kV	**185 - 300**	19 - 32	42	RCSTI 7X 185-400-3	450	RCSTO 7X 185-400-3	600
7.2 kV	**400 - 630**	30 - 42	65	RCSTI 7X 500-630-3	450	RCSTO 7X 500-630-3	600
	Cold Shrinkable Termination for Polymeric Insulated single core cables rated at Um= 12kV						
12 kV	**50 - 95**	17 - 24	30	RCSTI 12X 50-95-3	600	RCSTO 12X 50-95-3	600
12 kV	**95 - 300**	19 - 32	42	RCSTI 12X 95-300-3	600	RCSTO 12X 95-300-3	600
12 kV	**400 - 630**	30 - 42	65	RCSTI 12X 400-630-3	600	RCSTO 12X 400-630-3	600
	Cold Shrinkable Termination for Polymeric Insulated single core cables rated at Um= 17.5kV						
17.5 kV	**35 - 95**	17 - 24	30	RCSTI 17X 35-95-3	600	RCSTO 17X 35-95-3	600
17.5 kV	**120 - 240**	19 - 32	42	RCSTI 17X 120-240-3	600	RCSTO 17X 120-240-3	600
17.5 kV	**300 - 630**	30 - 42	65	RCSTI 17X 300-630-3	600	RCSTO 17X 300-630-3	600
	Cold Shrinkable Termination for Polymeric Insulated single core cables rated at Um= 24kV						
24 kV	**35 - 70**	17 - 24	30	RCSTI 24X 35-70-3	600	RCSTO 24X 35-70-3	750
24 kV	**95 - 185**	19 - 32	42	RCSTI 24X 95-185-3	600	RCSTO 24X 95-185-3	750
24 kV	**240 - 500**	30 - 42	65	RCSTI 24X 240-500-3	600	RCSTO 24X 240-500-3	750
	Cold Shrinkable Termination for Polymeric Insulated single core cables rated at Um= 36kV						
36 kV	**50 - 120**	19 - 32	42	RCSTI 36X 50-120-3	600	RCSTO 36X 50-120-3	800
36 kV	**150 - 400**	30 - 42	65	RCSTI 36X 150-400-3	600	RCSTO 36X 150-400-3	800
36 kV	**500 - 630**	40 - 60	78	RCSTI 36X 500-630-3	600	RCSTO 36X 500-6303	800

Tail length is linear length of termination body at fully recovered state.
The creepage length on outdoor termination is dictated by number of sheds and normally represents >31mm /kV ⇔ Class IV very Heavy according to IEC 60071-2
Note 1 = Cross section is a guide only based on standard IEC designs- the cable insulation diameter is more critical dimension to ensure body fits the cable to be terminated.
For cables with tape screen and armour, additional earth kits are required.