



CSTI/CSTO

Silicone cold-shrink termination with integrated stress control for XLPE cables up to 24 kV

General Description

The Raychem CSTI/CSTO family of cold shrink terminations is made from a high performance, liquid silicone material. Specially formulated for excellent track and split resistance, the terminations deliver long and trouble free service. The extra long, silicone stress cone is integrated with the termination and eliminates positioning issues common with normal cold shrink terminations. Moisture sealing at the lug is integrated into the termination body, eliminating the need for additional sealing tapes. Easy release spiral hold out ensures one-step installation

Main technical parameters

Cable insulation outer diameter	11.7-52 mm
Cable conductor cross-section range	25-630 mm ²
Max system voltage	24 kv
Impulse voltage withstand	125 kv
Partial discharge @1.73U ₀	10 pc
AC voltage withstand .5 min	54 kv (U _m =22kV) / 57kV (u _m =24kV)
DC voltage withstand .15 min	48 kv (U _m =22kV) / 51kV (u _m =24kV)



Features & Benefits

- One piece, pre-expanded termination on a spiral hold out for easy installation
- Integrated stress cone and faraday cage for excellent electrical stress control
- Longer stress cone eliminated installer positioning error
- Integrated lug seal with pre-installed sealant for a Class 1 termination
- Suitable for use with crimp or mechanical connectors
- Excellent electrical properties with superior track resistance
- Outstanding weathering and UV resistance for a long service life
- Minimum 24 months shelf life
- Tested to IEC 60502-4

Selection Information: dimensions shown in millimeters

24 kV 3-Core cable

Cross-section (mm ²)	Kit description	Comment
Indoor termination		
50-95	CSTI-24-5095-T	Tape shielded, unarmoured
120-185	CSTI-24-1218-T	Tape shielded, unarmoured
240-300	CSTI-24-2430-T	Tape shielded, unarmoured
400	CSTI-24-400-T	Tape shielded, unarmoured
Outdoor termination		
50-95	CSTO-24-5095-T	Tape shielded, unarmoured
120-185	CSTO-24-1218-T	Tape shielded, unarmoured
240-300	CSTO-24-2430-T	Tape shielded, unarmoured
400	CSTO-24-400-T	Tape shielded, unarmoured

24 kV 1-Core cable

Cross-section (mm ²)	Kit description	Comment
Indoor termination		
35-95	CSTI-24-3595-SC-T	Tape shielded, unarmoured
120-300	CSTI-24-1230-SC-T	Tape shielded, unarmoured
400-630	CSTI-24-4063-SC-T	Tape shielded, unarmoured
Outdoor termination		
35-95	CSTO-24-3595-SC-T	Tape shielded, unarmoured
120-300	CSTO-24-1230-SC-T	Tape shielded, unarmoured
400-630	CSTO-24-4063-SC-T	Tape shielded, unarmoured

35 (36) kV 3-Core cable

Cross-section (mm ²)	Kit description	Comment
Indoor termination		
50-70	CSTI-35-5070-CN	Tape shielded, unarmoured
95-300	CSTI-35-9530-CN	Tape shielded, unarmoured
400	CSTI-35-400-CN	Tape shielded, unarmoured
Outdoor termination		
50-70	CSTO-35-5070-CN	Tape shielded, unarmoured
95-300	CSTO-35-9530-CN	Tape shielded, unarmoured
400	CSTO-35-400-CN	Tape shielded, unarmoured

35 (36) kV 1-Core cable

Cross-section (mm ²)	Kit description	Comment
Indoor termination		
50-70	CSTI-35-5070-SC-CN	Tape shielded, unarmoured
95-300	CSTI-35-9530-SC-CN	Tape shielded, unarmoured
400-800	CSTI-35-4080-SC-CN	Tape shielded, unarmoured
Outdoor termination		
50-70	CSTO-35-5070-SC-CN	Tape shielded, unarmoured
95-300	CSTO-35-9530-SC-CN	Tape shielded, unarmoured
400-800	CSTO-35-4080-SC-CN	Tape shielded, unarmoured

The application range given in the table is based on polymeric insulated cable according to IEC 60502 standard with stranded circular conductors.

Due to different conductor shape or dimensions and cable constructions the minimum and maximum application range may be extendable. Please contact your local sales representative.