

CST Cold Shrink Terminations

FEATURES

- Spiral holdout with pull direction toward the lug provides easy installation
- Extra-long, integrated geometric stress control and void-filling mastic to reduce termination positioning errors
- Outstanding weathering, UV and ozone resistance
- Chemical-resistant and fungus-resistant
- Hydrophobic silicone material to repel water
- Meet IEEE-48 standard class 1 requirements.

APPLICATIONS

- TE's raychem CST cold applied termination for polymeric shielded cables up to 35 kV with JCN, copper tape, wire, LC and Flat strap metallic shields. Indoor and outdoor applications included.

BENEFITS

- ♦ Reliable, easy to install system to ensure trouble free service
- ♦ All components are pre-expanded on an easy-to-remove spiral holdout, allowing installation in compact environments on prepared cable.
- ♦ Shear Bolt and compression style terminals and pin connectors are available to provide reliable connection to a variety of conductors.

PRODUCT SELECTION INFORMATION: DIMENSIONS IN INCHES (MM)

Catalog Number*	Cable Range (AWG/kcmil)	Min - Max Insulation Diameter	Number of Skirts	Std. Pack (Kits/Box)
Shielded, Indoor (5/8 kV) Range is for 5/8kV 100% insulation				
CSTI-152	2/0-350 kcmil	0.65 - 1.06 in (16.5 - 27.0 mm)	3	1
CSTI-153	500-750 kcmil	0.97 - 1.35 in (24.5 - 34.5 mm)	3	1
CSTI-154	1000 kcmil	1.28 - 2.04 in (32.5 - 52.0 mm)	3	1
CSTIL-154	1000 kcmil	1.28 - 2.04 in (32.5 - 52.0 mm)	3	1
Shielded, Outdoor (5/8 kV) Range is for 5/8kV 100% insulation				
CSTO-152	2/0-350 kcmil	0.65 - 1.06 in (16.5 - 27.0 mm)	4	1
CSTO-153	500-750 kcmil	0.97 - 1.35 in (24.5 - 34.5 mm)	4	1
CSTO-154	1000 kcmil	1.28 - 2.04 in (32.5 - 52.0 mm)	4	1
CSTOL-154	1000 kcmil	1.28 - 2.04 in (32.5 - 52.0 mm)	4	1
Shielded, Indoor (15kV) Range is for 15kV 100% insulation				
CSTI-152	#2 - 250 kcmil	0.65 - 1.06 in (16.5 - 27.0 mm)	3	1
CSTI-153	350 - 500 kcmil	0.97 - 1.35 in (24.5 - 34.5 mm)	3	1
CSTI-154	600 - 1250 kcmil	1.28 - 2.04 in (32.5 - 52.0 mm)	3	1
CSTIL-154	600 - 1250 kcmil	1.28 - 2.04 in (32.5 - 52.0 mm)	3	1
Shielded, Outdoor (15kV) Range is for 15kV 100% insulation				
CSTO-152	#2 - 250 kcmil	0.65 - 1.06 in (16.5 - 27.0 mm)	4	1
CSTO-153	350 - 500 kcmil	0.97 - 1.35 in (24.5 - 34.5 mm)	4	1
CSTO-154	600 - 1250 kcmil	1.28 - 2.04 in (32.5 - 52.0 mm)	4	1
CSTOL-154	600 - 1250 kcmil	1.28 - 2.04 in (32.5 - 52.0 mm)	4	1
Shielded, Indoor (25/28kV) Range is for 25kV 100% insulation				
CSTI-282	#1 - 2/0	0.65 - 1.06 in (16.5 - 27.0 mm)	3	1
CSTI-283	2/0 - 350 kcmil	0.97 - 1.35 in (24.5 - 34.5 mm)	3	1
CSTI-284	500 - 1250 kcmil	1.28 - 2.04 in (32.5 - 52.0 mm)	3	1
CSTIL-284	500 - 1250 kcmil	1.28 - 2.04 in (32.5 - 52.0 mm)	3	1
Shielded, Outdoor (25/28kV) Range is for 25kV 100% insulation				
CSTO-282	#1 - 2/0	0.65 - 1.06 in (16.5 - 27.0 mm)	4	1
CSTO-283	2/0 - 350 kcmil	0.97 - 1.35 in (24.5 - 34.5 mm)	4	1
CSTO-284	500 - 1250 kcmil	1.28 - 2.04 in (32.5 - 52.0 mm)	4	1
CSTOL-284	500 - 1250 kcmil	1.28 - 2.04 in (32.5 - 52.0 mm)	4	1
Shielded, Indoor (35kV) Range is for 35kV 100% Insulation				
CSTI-352	1/0 - 350 kcmil	0.95 - 1.41 in (24.3 - 36.0 mm)	7	1
CSTI-353	250 - 750 kcmil	1.27 - 1.89 in (32.4 - 48.0 mm)	7	1
CSTI-354	750 - 2000 kcmil	1.70 - 2.52 in (43.2 - 64.0 mm)	7	1
Shielded, Outdoor (35kV) Range is for 35kV 100% Insulation				
CSTO-352	1/0 - 350 kcmil	0.95 - 1.41 in (24.3 - 36.0 mm)	8	1
CSTO-353	250 - 750 kcmil	1.27 - 1.89 in (32.4 - 48.0 mm)	8	1
CSTO-354	750 - 2000 kcmil	1.70 - 2.52 in (43.2 - 64.0 mm)	8	1

* For JCN, add a J at the end of the part description. Example: CSTI-152 becomes CSTI-152J
For other shielded cables, add a G at the end of the part description. Example: CSTO-153 becomes CSTO-153G

CST - Outdoor



PRODUCT SELECTION INFORMATION: DIMENSIONS IN INCHES (MM)

CST Accessory Options

CSTO L** -153J -SL2 -B2

Connector Code	Type	Use Range	Size
blank	no connector included		
-CP0	Compression pin (12 inches)		#2
-CP1	Compression pin (12 inches)		#1
-CP2	Compression pin (12 inches)		1/0
-CP3	Compression pin (12 inches)		2/0
-CP4	Compression pin (12 inches)		3/0
-CP5	Compression pin (12 inches)		4/0
-CLO	Copper Compression lug		#2
-CL1	Copper Compression lug		#1
-CL2	Copper Compression lug		1/0
-CL3	Copper Compression lug		2/0
-CL4	Copper Compression lug		3/0
-CL5	Copper Compression lug		4/0
-CL6	Copper Compression lug		350
-CL7	Copper Compression lug		500
-CL8	Copper Compression lug		750
-CL9	Copper Compression lug		1000
-SLO	Aluminum Shearbolt lug	.268-.528	#2-4/0
-SL1	Aluminum Shearbolt lug	.268-.681	#2-350
-SL2	Aluminum Shearbolt lug	.616-.998	350-750**
-SL3	Aluminum Shearbolt lug	.813-1.152	600-1000**

Bracket

Code T	Use Range (in)	Size
blank	not included	N/A
-B1	0.80-1.25	straight
-B2	1.10-1.50	straight
-B3	1.45-1.95	straight
-B4	1.80-2.40	straight
-B5	0.80-1.25	90 degree
-B6	1.10-1.50	90 degree
-B7	1.45-1.95	90 degree
-B8	1.80-2.40	90 degree

Contact TE customer support (or equivalent) for other connectors, as TE offers other sizes, lengths, and types.

**These size connectors must be used with long neck type CST except for 35 kV part numbers. Aluminum connectors are tin plated and can be used on copper or aluminum conductors. Compression and shear bolt connectors are 2-hole NEMA type.

ADDITIONAL PRODUCT INFORMATION

- Selections are based in the typical dimensions of Concentric-Stranded insulated cables and the dimensions of commonly used connectors manufactured in accordance with AEIC standard. Nominal insulation thicknesses: 15 kV 100% (175 mils), 15 kV 133% (220 mils), 25 kV 100% (260 mils), 35 kV (345 mils).
- For cables manufactured to other specifications, confirm selection with cable dimensions.
- Test Report available EDR-5591, EDR-5629.