

RAYCHEM COLD SHRINK TERMINATIONS (CST)

COLD APPLIED TERMINATIONS FOR POLYMERIC CABLES UP TO 35 kV

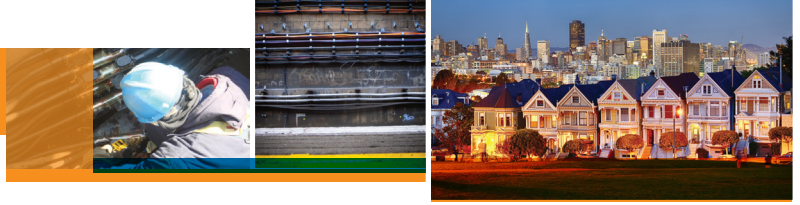
KEY FEATURES

- **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**

TE Connectivity (TE)'s Raychem Class 1A CST cold shrink terminations are the one-piece solution for high performance in cold applied terminations for polymeric cables up to 35kV. CST offers a reliable, fast and 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.

The silicone body is specially formulated for excellent tracking and erosion resistance. The extra-long stress cone aids in correct positioning and integrated void-filling mastic eliminates the need for silicone grease. Sealing mastic for the lug end is built into the expanded termination eliminating the need for additional sealing tapes. Shearbolt and compression style terminals and pin connectors are available to provide reliable connection to a variety of conductors.

CST components have full traceability to raw materials and are in compliance with the following international standards: IEEE-48, CENELEC HD 629.1.S2 (includes IEC, BS, VDE and other international specifications).



HOW TO ORDER

1	2		3		4	
Prefix	Indoor / Outdoor		Type		1 or 3/C	
Code	Code		Code		Code	
CST	I	Indoor	blank	standard	blank	1/C
CST	O	Outdoor	L*	Long neck	-3	3/C

Sample part number:

CSTO-153J-CP5-B2

5		6							
Voltage Rating	Body Size**	Nominal AWG Cable Sizes							
		Code	Code	Cable Insulation O.D. Range	5kV 133% / 8kV 100%	15kV 100%	15kV 133%	25kV 100%	28kV 100%
-15	2	0.65 - 1.06 in	16.5 - 27.0 mm	2/0 - 500 kcmil	#2 - 250 kcmil	#2 - 4/0	-	-	-
	3	0.97 - 1.35 in	24.5 - 34.5 mm	500 - 1000 kcmil	350 - 500 kcmil	4/0 - 500 kcmil	-	-	-
	4	1.28 - 2.04 in	32.5 - 52.0 mm	1000 kcmil	600 - 1250 kcmil	500 - 1250 kcmil	-	-	-
-28	2	0.65 - 1.06 in	16.5 - 27.0 mm	2/0 - 500 kcmil	#2 - 250 kcmil	#2 - 4/0	#1 - 2/0	#1 - 3/0	-
	3	0.97 - 1.35 in	24.5 - 34.5 mm	500 - 1000 kcmil	350 - 500 kcmil	4/0 - 500 kcmil	2/0 - 350 kcmil	2/0 - 350 kcmil	-
	4	1.28 - 2.04 in	32.5 - 52.0 mm	1000 kcmil	600 - 1250 kcmil	500 - 1250 kcmil	500 - 1250 kcmil	500 - 1250 kcmil	-
-35	2	0.95 - 1.41 in	24.3-36.0 mm	750 - 1000 kcmil	250 - 750 kcmil	4/0 - 500 kcmil	2/0 - 500 kcmil	1/0 - 500 kcmil	1/0 - 350 kcmil
	3	1.27 - 1.89 in	32.4-48.0 mm	-	750 - 1250 kcmil	350 - 1250 kcmil	350 - 1250 kcmil	350 - 1000 kcmil	250 - 750 kcmil
	4	1.70 - 2.52 in	43.2-64.0 mm	-	1250 - 2000 kcmil	1250 - 2000 kcmil	1250 - 2000 kcmil	1000 - 2000 kcmil	750 - 2000 kcmil

* Long neck version only available for 15 kV and 28 kV.

** Select Body Size Code (2, 3, 4) based on Outside Diameter of insulation. Selections are based on the typical dimensions of Concentric-Stranded insulated cables and the dimensions of commonly used connectors manufactured in accordance with AEIC standard. Nominal insulation thicknesses: 5kV 133% / 8kV 100% (115 mils), 15 kV 100% (175 mils), 15 kV 133% (220 mils), 25 kV 100% (260 mils), 28 kV (280 mils), 35 kV (345 mils).

*** High current ground for longitudinally corrugated or flat strap shielded cables.

8			
Connector Type and Size			
Code	Type	Use Range (in)	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
-CL0	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
-SP0	ShearBolt pin	.258-.373	#2-1/0
-SP1	ShearBolt pin	.376-.528	2/0-4/0
-SL0	ShearBolt lug	.268-.528	#2-4/0
-SL1	ShearBolt lug	.268-.681	#2-350
-SL2	ShearBolt lug	.616-.998	350-750****
-SL3	ShearBolt lug	.813-1.152	600-1000****
-SL4	ShearBolt lug	1.19-1.25	1250****

**** Contact TE Technical Support for long neck body requirements with this ShearBolt.

Aluminum connectors are tin plated and can be used on copper or aluminum conductors.

Compression and ShearBolt lugs are 2-hole NEMA type.

Other connectors such as 4-hole NEMA and other pin lengths are available.

7	
Cable Neutral Type	
Code	Type
G	Copper tape
J	JCN
HCG	LF/FS***

9		
Bracket		
Code	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

Meets international standards: IEEE-48, CENELEC HD 629.1.S2 Test report available EDR-5591, EDR-5629 (includes IEC, BS, VDE and other international specifications)

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