



COLD SHRINK TERMINATIONS (CST)

COLD APPLIED TERMINATIONS FOR POLYMERIC CABLES UP TO 35 kV FOR THE INDUSTRIAL MARKET SPACE

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**
- **A mastic sealed version of the product is available for 25 kV/36 kV**
- **Hydrophobic silicone material to repel water**

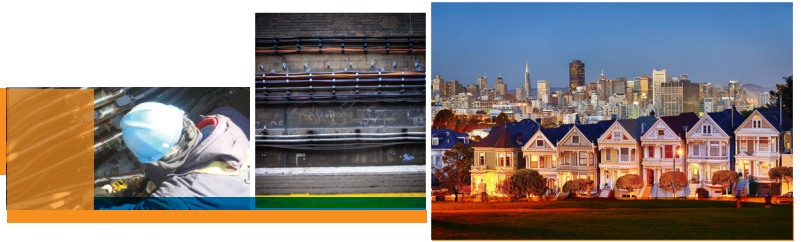
TE Connectivity (TE)'s Raychem Class 1A CST cold shrink terminations are the one-piece solution for high performance in cold applied terminations for polymeric cables up to 35kV. CST offers a reliable, fast and easy-to-install system to ensure trouble-free service. All components are pre-expanded on 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 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).

Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.

CST Product Specifications



HOW TO ORDER

1	2		3		4	
Prefix	Indoor / Outdoor		Type		1 or 3/C	
Code	Code		Code		Code	
TFT		Indoor	Blank	Standard	-P	1/C
					-3P	3/C
CST	I	Indoor	Blank	Standard	Blank	1/C
CST	O	Outdoor	L	Long neck	-3	3/C

Sample part number:

TFT-3P	-80R	-3A	-CL0
CSTO-3	-153G	-3D	-CL5

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%	35kV 100%	
	-80R**			0.39 - 0.65in	4.9 - 16.5mm	#6 - #2 AWG	-	-	-	-	-
-8	2	0.65 - 1.06in	16.5 - 27.0mm	2/0 - 350 kcmil	-	-	-	-	-	-	
	3	0.97 - 1.35in	24.5 - 34.5mm	500 - 750 kcmil	-	-	-	-	-	-	
	4	1.28 - 2.04in	32.5 - 52.0mm	1000 kcmil	-	-	-	-	-	-	
-15	2	0.65 - 1.06in	16.5 - 27.0mm	2/0 - 350 kcmil	#2 - 250kcmil	#2 - 4/0	-	-	-	-	
	3	0.97 - 1.35in	24.5 - 34.5mm	500 - 750 kcmil	350 - 500kcmil	4/0 - 500kcmil	-	-	-	-	
	4	1.28 - 2.04in	32.5 - 52.0mm	1000 kcmil	600 - 1250kcmil	500 - 1250kcmil	-	-	-	-	
-28	2	0.65 - 1.06in	16.5 - 27.0mm	2/0 - 500 kcmil	#2 - 250kcmil	#2 - 4/0	#1 - 3/0	#1 - 3/0	-	-	
	3	0.97 - 1.35in	24.5 - 34.5mm	500 - 1000 kcmil	350 - 500kcmil	4/0 - 500kcmil	2/0 - 350kcmil	2/0 - 350kcmil	-	-	
	4	1.28 - 2.04in	32.5 - 52.0mm	1000 kcmil	600 - 1250kcmil	500 - 1250kcmil	500 - 1250kcmil	500 - 1250kcmil	-	-	
-35	2	0.95 - 1.41in	24.3-36.0mm	750 - 1000 kcmil	250 - 750kcmil	4/0 - 500kcmil	2/0 - 500kcmil	1/0 - 500kcmil	1/0 - 350kcmil	-	
	3	1.27 - 1.89in	32.4-48.0mm	-	750 - 1500kcmil	350 - 1500kcmil	350 - 1250kcmil	350 - 1250kcmil	250 - 1000kcmil	-	
	4	1.70 - 2.52in	43.2-64.0mm	-	1250 - 2000kcmil	1250 - 2000kcmil	1250 - 2000kcmil	1000 - 2000kcmil	750 - 2000kcmil	-	

** -80R used for TFT only. Reminder used for CST only

* 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: 15 kV 100% (175 mils), 15 kV 133% (220 mils), 25 kV 100% (260 mils), 28 kV (280 mils), 35 kV (345) mils.

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Cable Neutral Type	
Code	Type
G	Copper tape
J	JCN

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Code*	MOD Kit Description	Indoor / Outdoor	Insulation Diameter Use Range		Overall Cable Jacket Diameter Use Range	
-3A	MOD-3A-CNTT	Outdoor	0.44 - 0.61in	11.2 - 15.5mm	1.44 - 2.76in	35.8 - 70.1mm
-3Z	MOD-3Z-CNTT	Indoor	0.39 - 0.61in	9.9 - 15.5mm	N/A	N/A
-3B	MOD-3B-CSTO	Outdoor	0.62 - .90in	15.7 - 22.9mm	2.21 - 3.23in	51.6 - 82.0mm
-3C	MOD-3C-CSTO	Outdoor	0.90 - 1.08in	22.9 - 27.4mm	2.50 - 3.74in	63.6 - 95.0mm
-3D	MOD-3D-CSTO	Outdoor	1.08 - 1.36in	27.4 - 34.5mm	2.93 - 4.33in	74.4 - 110.1mm
-3E	MOD-3E-CSTO	Outdoor	1.18 - 2.54in	30.0 - 64.5mm	3.21 - 5.90in	81.6 - 149.1mm
-3B	MOD-3B-CSTI	Indoor	0.62 - .90in	15.7 - 22.9mm	N/A	N/A
-3C	MOD-3C-CSTI	Indoor	0.90 - 1.08in	22.9 - 27.4mm	N/A	N/A
-3D	MOD-3D-CSTI	Indoor	1.08 - 1.36in	27.4 - 34.5mm	N/A	N/A
-3E	MOD-3E-CSTI	Indoor	1.18 - 2.54in	30.0 - 64.5mm	N/A	N/A

*The outdoor MOD kit will always be paired with the outdoor CST kit (and same with indoor). For example, a -3B MOD kit will default to the MOD-3B-CSTO if used with a CSTO. MOD kits come with 3 re-jacketing tubes (4ft total) per phase when kitted with terminations.

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

Shearbolt lugs are tin-plated aluminium and can be used on copper or aluminium conductors

Compression and Shearbolt lugs are 2-hole NEMA type.

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

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Connector Type and Size			
Code	Type	Use Range (in)	Size
Blank	No connector included		
-CL000	Copper Compression lug		#6
-CL00	Copper Compression lug		#4
-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
-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***

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