

## RAYCHEM COLD SHRINK TERMINATIONS CST 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
- A mastic sealed version of the product is available for 25 kV/36 kV
- Hydrophobic silicone material to repel water

Our Class 1 A Cold Shrink Terminations CST are the one-piece solution for high performance in cold applied terminations for polymeric cables up to 35 kV. Our CST offer a reliable, fast and easy-to-install system to ensure trouble-free service.

Our 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. Shear bolt and compression style terminals and pin connectors are available to provide reliable connection to a variety of conductors.

The CST components have full traceability to raw materials and are in compliance with the IEEE-48, CENELEC HD 629.1.S2 standards including 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.**

# Cold Shrink Terminations CST

## 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	5 kV 133% / 8 kV 100%	15 kV 100%	15 kV 133%	25 kV 100%	28 kV 100%	35 kV 100%
-15	2	0.65 - 1.06 in	16.5 - 27.0 mm	2/0 - 350 kcmil	#2 - 250 kcmil	#2 - 4/0	-	-
	3	0.97 - 1.35 in	24.5 - 34.5 mm	500 - 750 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 - 3/0	#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	1	0.72 - 1.10 in	18.2 - 28.0 mm	4/0 - 350 kcmil	2/0 - 4/0 kcmil	#2 - 4/0 kcmil	#1 - 3/0 kcmil	#1 - 2/0 kcmil
	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
	3	1.27 - 1.89 in	32.4 - 48.0 mm	-	750 - 1500 kcmil	350 - 1500 kcmil	350 - 1250 kcmil	250 - 1000 kcmil
	4	1.70 - 2.52 in	43.2 - 64.0 mm	-	1250 - 2000 kcmil	1250 - 2000 kcmil	1250 - 2000 kcmil	1000 - 2000 kcmil

\* CSTI terminations have small skirts to increase creepage and dry flashover distance and therefore cannot be inverted.

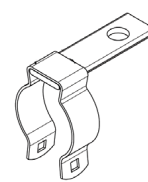
\*\* Select Body Size Code (1, 2, 3, 4) based on Outside Diameter of insulation. Selections are based on the typical dimensions of Concentric-Stranded insulated cables and the dimensions of commonly used connectors manufactured in accordance with AEIC standard. Nominal insulation thicknesses: 15 kV 100% (175 mils), 15 kV 133% (220 mils), 25 kV 100% (260 mils), 28 kV (280 mils), 35 kV (345) mils.

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

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

8					
Connector Type and Size					
Code	Type	Use Range (in)	Size	TE Part Number	TE Cat Description
blank	no connector included		N/A	Select Connector	
-CP0	Compression pin (12 inches)		#2	2182448-1	SCP-2-12
-CP1	Compression pin (12 inches)		#1	2182448-2	SCP-1-12
-CP2	Compression pin (12 inches)		1/0	2182448-3	SCP-10-12
-CP3	Compression pin (12 inches)		2/0	2182448-4	SCP-20-12
-CP4	Compression pin (12 inches)		3/0	2182448-5	SCP-30-12
-CP5	Compression pin (12 inches)		4/0	2182448-6	SCP-40-12
-CL0	Copper Compression lug (2-hole)		#2	EN3750-353	TCTL2-2-1/2-IV-U
-CL1	Copper Compression lug (2-hole)		#1	EN3750-613	TCTL2-1-1/2-IV-U
-CL2	Copper Compression lug (2-hole)		1/0	EN3750-168	TCTL2-1/0-1/2-IV-U
-CL3	Copper Compression lug (2-hole)		2/0	EN3750-311	TCTL2-2/0-1/2-IV-U
-CL4	Copper Compression lug (2-hole)		3/0	EN3750-354	TCTL2-3/0-1/2-IV-U
-CL5	Copper Compression lug (2-hole)		4/0	EN3750-170	TCTL2-4/0-1/2-IV-U
-CL6	Copper Compression lug (2-hole)		350	EN3750-166	TCTL2-350-1/2-IV-U
-CL7	Copper Compression lug (2-hole)		500	EN3750-163	TCTL2-500-1/2-IV-U
-CL75	Copper Compression lug (2-hole)		600	EN3750-624	TCTL2-600-1/2-IV-U
-CL8	Copper Compression lug (2-hole)		750	EN3750-161	TCTL2-750-1/2-IV-U
-CL9	Copper Compression lug (2-hole)		1000	EN3750-162	TCTL2-1000-1/2-IV-U
-AL2	Aluminum Compression lug (2-hole)		1/0	EN3750-018	TATL2-1/0-1/2-U
-AL3	Aluminum Compression lug (2-hole)		2/0	EN3750-326	TATL2-2/0-1/2-U
-AL4	Aluminum Compression lug (2-hole)		3/0	EN3750-327	TATL2-3/0-1/2-U
-AL5	Aluminum Compression lug (2-hole)		4/0	EN3750-019	TATL2-4/0-1/2-U
-AL55	Aluminum Compression lug (2-hole)		250	EN3750-391	TATL2-250-1/2-U
-AL6	Aluminum Compression lug (2-hole)		350	EN3750-377	TATL2-350-1/2-U
-AL7	Aluminum Compression lug (2-hole)		500	EN3750-378	TATL2-500-1/2-U
-AL8	Aluminum Compression lug (2-hole)		750	EN3750-379	TATL2-750-1/2-U
-SPO	Aluminum Shear Bolt pin (12 inches)	0.258 - 0.373	#2 - 4/0	2182442-1	ASBP-2-4/0-12
-SP1	Aluminum Shear Bolt pin (12 inches)	0.52-0.69	250 - 350	2182445-1	ASBP-250-350-12
-SP2	Aluminum Shear Bolt pin (12 inches)	0.73-1.00	500 - 750	2182485-1	ASBP-500-750-12
-SL0	Aluminum Shear Bolt lug (2-hole)	0.268 - 0.528	#2 - 4/0	2363968-1	ASBT-2-4/0-SLIM
-SL1	Aluminum Shear Bolt lug (2-hole)	0.268 - 0.681	#2 - 350	CM9694-000	ASBT-2-350
-SL15	Aluminum Shear Bolt lug (2-hole)	0.423-0.813	3/0 - 500	2385860-1	ASBT-3/0-500
-SL2	Aluminum Shear Bolt lug (2-hole)	0.616 - 0.998	350 - 750**	CM9695-000	ASBT-350-750
-SL3	Aluminum Shear Bolt lug (2-hole)	0.813 - 1.152	600 - 1000**	CM9696-000	ASBT-600-1000
-SL4	Aluminum Shear Bolt lug (2-hole)	1.19 - 1.25	1250**	CS9410-000	ASBT-1250-2-N
-3SL0	Aluminum Shear Bolt lug (3-hole)	0.258 - 0.373	#2 - 4/0	2182671-1	ASBT-2-4/0-3H
-3SL1	Aluminum Shear Bolt lug (3-hole)	0.376-0.681	2/0-350	2182786-1	ASBT-2/0-350-3H-Q
-3SL2	Aluminum Shear Bolt lug (3-hole)	0.736-0.998	500-750	2182674-1	ASBT-500-750-3H-Q
-3SL3	Aluminum Shear Bolt lug (3-hole)	0.813 - 1.152	600-100	2373225-1	ASBT-600-1000-3H-Q

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Bracket				
Code	Use Range (in)	Size	TE Part Number	TE Cat Description
blank	not included	n/a		
-B1	0.80 - 1.25	straight	EH8149-000	BRKT-1-SS-SPCL
-B2	1.10 - 1.50	straight	EH8148-000	BRKT-2-SS-SPCL
-B3	1.45 - 1.95	straight	EH8147-000	BRKT-3-SS-SPCL
-B4	1.80 - 2.40	straight	CP1847-000	BRKT-4-SS-SPCL
-B5	0.80 - 1.25	90 degree	111745-000	BRKT-1-SS
-B6	1.10 - 1.50	90 degree	EL8798-000	BRKT-2-SS
-B7	1.45 - 1.95	90 degree	876925-000	BRKT-3-SS
-B8	1.80 - 2.40	90 degree	798261-000	BRKT-4-SS



Straight Bracket



90 Degree Bracket

\*\*\* Contact TE Technical Support for long neck body requirements with this shear bolt. Aluminum connectors are tin plated and can be used on copper or aluminum conductors. Compression and shear bolt lugs are 2-hole NEMA type. Other connectors such as 4-hole NEMA and other pin lengths are available.

## Learn more: [TE.com/energy](https://www.te.com/energy)

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