

Cold Applied Terminations



TFT-E

1/C cold-applied terminations for jacketed and unjacketed concentric neutral cables, shielded power cables, and LC shielded power cables (5-35 kV)

TFT-E, TFT-E-G/SG, and TFT-E-SLC tool-free termination kits have been developed to provide a quick and easy, cold-applied method of terminating 5-35 kV, single-core polymeric cables. Both the TFT-E and TFT-E-SG are designed for indoor and outdoor conditions. TFT-E-G kits do not have skirts and should be used for 15 kV indoor applications.

TFT-E, TFT-E-G/SG, and TFT-E-SLC kits offer the following features and benefits:

- Advanced Metal Oxide Matrix stress control.
- Positive placement of stress control patch.

- Provided on a crush-resistant core.
- Easy installation - allows for repositioning.
- Rated to IEEE-48-1996, class 1 terminations.

TFT-E accommodates Jacketed and Unjacketed Concentric Neutral Cable. For outdoor or indoor use. TFT-E-G and TFT-E-SG kits are for use on Copper Tape, Wiresield, Lead Sheath, and Unishield* cables. TFT-E-SLC is for use on LC shield cables. All offer advanced Metal Oxide Matrix stress control.

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Selection information

Lugs and Terminals:

Catalog number	Conductor Range		Type
	Solid	Termination Stranded	
TFT-151E	#2AWG - 250kcmil	#2AWG - 4/0AWG	Pin
TFT-152E	4/0 / 250kcmil	-	Pin
	-	350 / 500kcmil	NEMA Lug
TFT-153E	-	500 / 750kcmil	NEMA Lug
TFT-154E	-	1000/1250kcmil	NEMA Lug
TFT-251E	#1AWG - 3/0AWG	#1AWG - 3/0AWG	Pin
TFT-252E	#1AWG / 250kcmil	#1AWG - 4/0AWG	Pin
	-	350 - 500kcmil	NEMA Lug
TFT-253E	250kcmil	-	Pin
	-	350 - 750kcmil	NEMA Lug
TFT-254E	-	750 - 1250kcmil	NEMA Lug
TFT-352E	1/0AWG - 250kcmil	1/0AWG - 4/0AWG	Pin
TFT-353E	4/0 / 250kcmil	-	Pin
	-	350 - 500kcmil	NEMA Lug
TFT-354E	-	500 - 1250kcmil	NEMA Lug

* Unshield is a trade mark of BICC, General Cable Industries, Inc.

Cold-Applied Terminations

Selection information: dimensions in inches (millimeters)

Catalog number	Cable range (AWG/kcmil)	Insulation diameter (min./max.)	Number of skirts	Standard pkg (kits/box)
CN and JCN cable - indoor/outdoor (15 kV)				
TFT-151E	#2-250	0.64-1.09 (16-28)	3	1 ea.
TFT-152E	4/0-500	0.85-1.45 (22-37)	3	1 ea.
TFT-153E	500-750	1.06-1.70 (27-43)	3	1 ea.
TFT-154E	1000-1250	1.49-2.20 (38-56)	3	1 ea.
CN and JCN cable - indoor/outdoor (25 kV)				
TFT-251E	#1-3/0	0.64-1.09 (16-28)	5	1 ea.
TFT-252E	#1-500	0.85-1.45 (22-37)	5	1 ea.
TFT-253E	250-750	1.06-1.70 (27-43)	5	1 ea.
TFT-254E	750-1250	1.49-2.20 (38-56)	5	1 ea.
CN and JCN cable - indoor/outdoor (35 kV)				
TFT-352E	1/0-250	0.85-1.45 (22-37)	8	1 ea.
TFT-353E	4/0-500	1.06-1.70 (27-43)	8	1 ea.
TFT-354E	500-1250	1.49-2.20 (38-56)	8	1 ea.
Shielded cable - indoor/outdoor (5 kV no sheds)				
TFT-151E-G	2/0-250	0.64-1.09 (16-28)	0	3 ea.
TFT-152E-G	350-500	0.85-1.45 (22-37)	0	3 ea.
TFT-153E-G	500-750	1.06-1.70 (27-43)	0	3 ea.
Shielded cable - Indoor/outdoor (8 kV no sheds)				
TFT-151E-G	1/0-250	0.64-1.09 (16-28)	0	3 ea.
TFT-152E-G	250-500	0.85-1.45 (22-37)	0	3 ea.
TFT-153E-G	500-750	1.06-1.70 (27-43)	0	3 ea.
Shielded cable indoor only (15 kV no sheds)				
TFT-151E-G	#2-250	0.64-1.09 (16-28)	0	3 ea.
TFT-152E-G	4/0-500	0.85-1.45 (22-37)	0	3 ea.
TFT-153E-G	500-750	1.06-1.70 (27-43)	0	3 ea.
Shielded cable - indoor/outdoor (15 kV)				
TFT-151E-SG	#2-250	0.64-1.09 (16-28)	3	3 ea.
TFT-152E-SG	4/0-500	0.85-1.45 (22-37)	3	3 ea.
TFT-153E-SG	500-750	1.06-1.70 (27-43)	3	3 ea.
TFT-154E-SG	1000-1250	1.49-2.20 (38-56)	3	3 ea.
Shielded cable - indoor/outdoor (25 kV)				
TFT-251E-SG	#1-3/0	0.64-1.09 (16-28)	5	3 ea.
TFT-252E-SG	#1-500	0.85-1.45 (22-37)	5	3 ea.
TFT-253E-SG	250-750	1.06-1.70 (27-43)	5	3 ea.
TFT-254E-SG	750-1250	1.49-2.20 (38-56)	5	3 ea.
Shielded cable - indoor/outdoor (35 kV)				
TFT-352E-SG	1/0-250	0.85-1.45 (22-37)	8	3 ea.
TFT-353E-SG	4/0-500	1.06-1.70 (27-43)	8	3 ea.
TFT-354E-SG	500-1250	1.49-2.20 (38-56)	8	3 ea.
LC shielded cable - indoor/outdoor (15 kV)				
TFT-151E-SLC	#2-250	0.64-1.09 (16-28)	3	3 ea.
TFT-152E-SLC	4/0-500	0.85-1.45 (22-37)	3	3 ea.
TFT-153E-SLC	500-750	1.06-1.70 (27-43)	3	3 ea.
TFT-154E-SLC	1000-1250	1.49-2.20 (38-56)	3	3 ea.
LC shielded cable - indoor/outdoor (25 kV)				
TFT-251E-SLC	#1-3/0	0.64-1.09 (16-28)	5	3 ea.
TFT-252E-SLC	#1-500	0.85-1.45 (22-37)	5	3 ea.
TFT-253E-SLC	250-750	1.06-1.70 (27-43)	5	3 ea.
TFT-254E-SLC	750-1250	1.49-2.20 (38-56)	5	3 ea.
LC shielded cable - indoor/outdoor (35 kV)				
TFT-352E-SLC	1/0-250	0.85-1.45 (22-37)	8	3 ea.
TFT-353E-SLC	4/0-500	1.06-1.70 (27-43)	8	3 ea.
TFT-354E-SLC	500-1250	1.49-2.20 (38-56)	8	3 ea.



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Ordering information:

- The -SG and -SLC kits contain a solder-blocked ground braid and a solderless ground clamp.
- Select the appropriate catalog number. Selections are based on the typical dimensions of 100% insulated cables manufactured in accordance with the data contained in AEIC CS5-198, and CS6-1987 as well as the dimensions of commonly used connectors.
Nominal insulation thickness (100%):
15 kV: 175 mils
25 kV: 260 mils
35 kV: 345 mils
- For cables manufactured to other specifications, confirm selection with cable dimensions.
- Kits do not contain connectors; order compression or solder connectors separately.
- To order cable prep kits, see page 94.
- See page 104 for testing information.
- Related test reports:
15 kV: [EDR-5302](#)
25 kV: [EDR-5303](#)
35 kV: [EDR-5299](#)
- Cable mounting brackets are available to accommodate cable diameters from 0.80-2.40 (20-61). See page 122.

Related installation instructions:

[TFT-150E-SLC](#) [TFT-250E-SLC](#)
[TFT-350E-SLC](#) [TFT-150E](#)
[TFT-250E](#) [TFT-350E](#)
[TFT-150E-G](#) [TFT-150E-SG](#)
[TFT-250E-SG](#) [TFT-350E-SG](#)