

## Medium Voltage Cold-Applied Terminations



### TFT-R 1/C Terminations for Shielded and Non-Shielded Power Cable (5-35 kV)

TFT-R and TFT-RG/SG tool-free termination kits have been developed to provide a quick and easy, cold-applied method of terminating 5-35 kV, single conductor polymeric cables. Both the TFT-R and TFT-R-SG are designed for indoor and outdoor conditions.

TFT-R kits are for non-shielded cable applications. TFT-R-G kits do not have rain sheds and should be used for 5/8 kV indoor or outdoor applications and 15 kV indoor only applications.

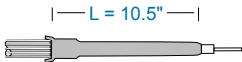
TFT-R and TFT-R-G/SG kits offer the following features and benefits:

- Advanced Metal Oxide Matrix stress control
- Positive placement of stress control patch
- Provided on a crush-resistant core
- Easy installation — allows for repositioning

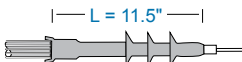
Rated to IEEE-48, class 1 termination requirements.

#### Selection Information: dimensions in inches (millimeters)

Catalog Number	Cable Range (AWG/kcmil)	Insulation Diameter (Min./Max.)	Number of Skirts	Std. Pack (Kits/Box)
<b>Installed Length</b>				
<b>5/8/15 kV (without sheds)</b>				
<b>TFT-R (Non-Shielded, Indoor/Outdoor ) Without Sheds (5 kV)</b>				
TFT-50R	#2-3/0AWG	0.53-0.80 (13-20)	0	3
TFT-51R	1/0-250KCMIL	0.64-1.09 (16-28)	0	3
TFT-52R	250-500KCMIL	0.85-1.45 (22-37)	0	3
TFT-53R	350-750KCMIL	1.06-1.70 (27-43)	0	3
<b>TFT-R-G (Shielded, Indoor/Outdoor ) Without Sheds (5 kV)</b>				
TFT-150R-G	#2-3/0AWG	0.53-0.80 (13-20)	0	3
TFT-151R-G	2/0-250KCMIL	0.64-1.09 (16-28)	0	3
TFT-152R-G	350-500KCMIL	0.85-1.45 (22-37)	0	3
TFT-153R-G	500-750KCMIL	1.06-1.70 (27-43)	0	3
<b>TFT-R-G (Shielded, Indoor/Outdoor ) Without Sheds (8 kV)</b>				
TFT-150R-G	#2-3/0AWG	0.53-0.80 (13-20)	0	3
TFT-151R-G	1/0-250KCMIL	0.64-1.09 (16-28)	0	3
TFT-152R-G	250-500KCMIL	0.85-1.45 (22-37)	0	3
TFT-153R-G	500-750KCMIL	1.06-1.70 (27-43)	0	3
<b>TFT-R-G (Shielded, Indoor Only) Without Sheds (15 kV)</b>				
TFT-150R-G	#2-3/0AWG	0.53-0.80 (13-20)	0	3
TFT-151R-G	#2-250KCMIL	0.64-1.09 (16-28)	0	3
TFT-152R-G	4/0-500KCMIL	0.85-1.45 (22-37)	0	3
TFT-153R-G	500-750KCMIL	1.06-1.70 (27-43)	0	3
<b>TFT-R-SG (Shielded, Indoor/Outdoor ) (15 kV)</b>				
TFT-151R-SG	#2-250KCMIL	0.64-1.09 (16-28)	3	3
TFT-152R-SG	4/0-500KCMIL	0.85-1.45 (22-37)	3	3
TFT-153R-SG	500-750KCMIL	1.06-1.70 (27-43)	3	3
TFT-154R-SG	1000-1250KCMIL	1.49-2.20 (38-56)	3	3
<b>TFT-R-SG (Shielded, Indoor/Outdoor ) (25 kV)</b>				
TFT-251R-SG	#1-3/0AWG	0.64-1.09 (16-28)	5	3
TFT-252R-SG	#2/0-500KCMIL	0.85-1.45 (22-37)	5	3
TFT-253R-SG	250-750KCMIL	1.06-1.70 (27-43)	5	3
TFT-254R-SG	750-1250KCMIL	1.49-2.20 (38-56)	5	3
<b>TFT-R-SG (Shielded, Indoor/Outdoor ) (35 kV)</b>				
TFT-352R-SG	1/0-250KCMIL	0.85-1.45 (22-37)	8	3
TFT-353R-SG	4/0-500KCMIL	1.06-1.70 (27-43)	8	3
TFT-354R-SG	500-1250KCMIL	1.49-2.20 (38-56)	8	3



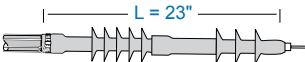
#### 15 kV (with sheds)



#### 25 kV (with sheds)



#### 35 kV (with sheds)



#### Ordering Information

1. All shielded cable kits contain a solder-blocked ground braid and a solderless ground clamp.
2. Selections are based on the typical dimensions of 100% insulated cables and the dimensions of commonly used connectors manufactured in accordance with AEIC standard. Nominal insulation thickness (100%): 15 kV: 175 mils, 25 kV: 260 mils, 35 kV: 345 mils
3. For cables manufactured to other specifications, confirm cable dimensions.
4. Kits do not contain connectors; order compression or solder connectors separately.
5. Related test reports: 15 kV: [EDR-5302](#) (outdoor), 15 kV: [EDR-5306](#) (indoor), 25 kV: [EDR-5303](#), 35 kV: [EDR-5299](#)
6. Cable mounting brackets are available to accommodate cable diameters from 0.80-2.40 (20-61).
7. For three conductor cables, order MOD-3-TFT kits.