

# TFT-R 1/C Terminations for Shielded / Non-Shielded Power Cable

## FEATURES

- Advanced Metal Oxide Matrix stress control
- Provided on a crush-resistant core
- Fully qualified class 1 termination per IEEE-48 for a long, trouble free service life.

## APPLICATIONS

- Have been developed to provide a quick and easy, cold-applied method of terminating 5-35 kV, single conductor polymeric cables.
- TE's Raychem TFT-R and TFT-R-SG are designed for indoor and outdoor conditions.
- TE's Raychem 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.

## BENEFITS

- Easy installation — allows for repositioning
- Positive placement of stress control patch allowing inversion installs if necessary

### PRODUCT SELECTION INFORMATION: DIMENSIONS IN INCHES (MM)

Catalog Number	Cable Range (AWG/kcmil)	Insulation Diameter (min - max)	Number of Skirts	Standard Pack (kits/box)
<b>TFT-P-R Tape Shielded, Indoor - Push on Installation (5 kV/8 kV)</b>				
TFT-P-80R	#6 - #2 AWG	0.39 - 0.61 (10-16)	0	3
<b>TFT-R Non-Shielded, Indoor/Outdoor - Without Sheds (5 kV)</b>				
TFT-50R	#2-3/0 AWG	0.53-0.80 (13-20)	0	3
TFT-51R	1/0-250 kcmil	0.64-1.09 (16-28)	0	3
TFT-52R	250-500 kcmil	0.85-1.45 (22-37)	0	3
TFT-53R	350-750 kcmil	1.06-1.70 (27-43)	0	3
<b>TFT-R-G Tape Shielded, Indoor/Outdoor - Without Sheds (5 kV)</b>				
TFT-150R-G	#2-3/0 AWG	0.53-0.80 (13-20)	0	3
TFT-151R-G	2/0-250 kcmil	0.64-1.09 (16-28)	0	3
TFT-152R-G	350-500 kcmil	0.85-1.45 (22-37)	0	3
TFT-153R-G	500-750 kcmil	1.06-1.70 (27-43)	0	3
<b>TFT-R-G Tape Shielded, Indoor/Outdoor - Without Sheds (8 kV)</b>				
TFT-150R-G	#2-3/0 AWG	0.53-0.80 (13-20)	0	3
TFT-151R-G	1/0-250 kcmil	0.64-1.09 (16-28)	0	3
TFT-152R-G	250-500 kcmil	0.85-1.45 (22-37)	0	3
TFT-153R-G	500-750 kcmil	1.06-1.70 (27-43)	0	3
<b>TFT-R-G Tape Shielded, Indoor Only - Without Sheds (15 kV)</b>				
TFT-150R-G	#2-3/0 AWG	0.53-0.80 (13-20)	0	3
TFT-151R-G	#2-250 kcmil	0.64-1.09 (16-28)	0	3
TFT-152R-G	4/0-500 kcmil	0.85-1.45 (22-37)	0	3
TFT-153R-G	500-750 kcmil	1.06-1.70 (27-43)	0	3
<b>TFT-R-SG Tape Shielded, Indoor/Outdoor (15 kV)</b>				
TFT-151R-SG	#2-250 kcmil	0.64-1.09 (16-28)	3	3
TFT-152R-SG	4/0-500 kcmil	0.85-1.45 (22-37)	3	3
TFT-153R-SG	500-750 kcmil	1.06-1.70 (27-43)	3	3
TFT-154R-SG	1000-1250 kcmil	1.49-2.20 (38-56)	3	3
<b>TFT-R-SG Tape Shielded, Indoor/Outdoor (25 kV)</b>				
TFT-251R-SG	#1-3/0 AWG	0.64-1.09 (16-28)	5	3
TFT-252R-SG	#2/0-500 kcmil	0.85-1.45 (22-37)	5	3
TFT-253R-SG	250-750 kcmil	1.06-1.70 (27-43)	5	3
TFT-254R-SG	750-1250 kcmil	1.49-2.20 (38-56)	5	3
<b>TFT-R-SG Tape Shielded, Indoor/Outdoor (35 kV)</b>				
TFT-352R-SG	1/0-250 kcmil	0.85-1.45 (22-37)	8	3
TFT-353R-SG	4/0-500 kcmil	1.06-1.70 (27-43)	8	3
TFT-354R-SG	500-1250 kcmil	1.49-2.20 (38-56)	8	3



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Installed Length  
5/8/15 kV (without sheds)



15 kV (with sheds)



25 kV (with sheds)



35 kV (with sheds)



### ADDITIONAL PRODUCT INFORMATION

- All shielded cable kits contain a solder-blocked ground braid and a solderless ground clamp.
- 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
- For cables manufactured to other specifications, confirm cable dimensions.
- Kits do not contain connectors; order compression or solder connectors separately.
- Related test reports: 15 kV: EDR-5302 (outdoor), 15 kV: EDR-5306 (indoor), 25 kV: EDR-5303, EDR-5357, 35 kV: EDR-5299
- Cable mounting brackets are available to accommodate cable diameters from 0.80-2.40 inches (20-61 mm).
- For three conductor cables, order MOD-3-TFT kits.