TF/TFF/TFFN

Copper Conductor

Prysmian Group

Description

The TF conductor is built with soft annealed copper wire, insulated with polyvinyl chloride (PVC) thermoplastic. The TFF conductor is built with a flexible cord of soft annealed copper wires twisted and insulated with PVC. The TFFN conductor is built with a flexible cord insulated with PVC and covered with an external clear nylon jacket.

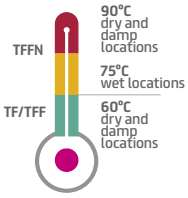
Standard Specifications

The TF/TFF/TFFN conductors are built based on the following:

- Standards: **ASTM B3, B174 and UL 66.**
- Certificate: **UL E101779 (TFFN).**

Features

- The TF/TFF/TFFN conductors are design to operate at 600 V max.
- The TF/TFF conductors are design to operate at 60°C maximum temperature in humid and dry locations. The TFFN conductors are designed to operate at 90°C maximum temperature in dry, damp locations, at 75°C maximum temperature in wet locations



- The conductors are manufactured in 18 AWG (0,824 mm²) and 16 AWG (1,31 mm²) gauges, in multiple colors.
- The finish conductors comply with the RoHS *(Restriction of Hazardous Substances)* regulation.

Applications

- The conductors are designed for appliances, internal wiring and lighting internal wiring as well as feed up circuit lines.
- As indicated in the NEC NFPA70, article 402, the TF/TFF/TFFN the conductors can be used in low power circuit systems, they shall not be used in household branch circuits.

Technical Information

Dimensions and Features

The conductor operating amperage is defined by the installation conditions and operating temperatures identified in the NEC. See TABLE 402.5 NFPA 70 latest version

Gauge	Area		Insulation Thickness		External Diameter		Weight	DC Max. @ 20°C Resistance
AWG	cmil	mm²	in	mm	in	mm	kg/km	Ω/km
TF Conductor								
18	1 620	0,82	0,030	0,76	0,100	2,54	12,99	21,40
16	2 580	1,31	0,030	0,76	0,111	2,82	18,16	13,40

Note: The values given may vary according to the manufacturing tolerances

phelps dodge

PRYSMIAN GROUP
Central America & Caribbean
Kilometer 11 General Cañas Highway. Heredia, Costa Rica
Customer Service Hub: + (506) 2298-4800
info.centroamerica@prysmiangroup.com
www.generalcable.com

TF/TFF/TFFN

Copper Conductor

The conductor operating amperage is defined by the installation conditions and operating temperatures identified in the NEC. See TABLE 402.5 NFPA 70 latest version

Gauge	Area		Insulation Thickness		External Diameter		Weight	DC Max. @ 20°C Resistance
AWG	cmil	mm²	in	mm	in	mm	kg/km	Ω/km
TFF Conductor								
18	1 620	0,82	0,030	0,76	0,111	2,84	14,15	22,40
16	2 580	1,31	0,030	0,76	0,123	3,12	10,34	14,10

Note: The values given may vary according to the manufacturing tolerances

The conductor operating amperage is defined by the installation conditions and operating temperatures identified in the NEC. See TABLE 402.5 NFPA 70 latest version

Gauge	Area		Insulation Thickness		Jacket Thickness		External Diameter		Weight	DC Max. @ 20°C Resistance
AWG	cmil	mm²	in	mm	in	mm	in	mm	kg/km	Ω/km
TFFN Conductor										
18	1 620	0,82	0,015	0,38	0,004	0,102	0,108	2,74	11,06	22,40
16	2 580	1,31	0,015	0,38	0,004	0,102	0,120	3,05	15,96	14,10

Note: The values given may vary according to the manufacturing tolerances

PRYSMIAN GROUP
Central America & Caribbean
Kilometer 11 General Cañas Highway. Heredia, Costa Rica
Customer Service Hub: + (506) 2298-4800
info.centroamerica@prysmiangroup.com
www.generalcable.com