TFFN/TFN
COPPER CONDUCTOR

UL LISTED   E-494287

APPLICATIONS

Type TFFN/TFN conductors are primarily used as fixture wire as defined by the National Electrical Code (NEC) at temperatures not to exceed 90ºC in dry locations. All conductors are permitted for new construction or rewiring for 600-volt applications. Rated gasoline and oil-resistant II. TFFN/TFN wire is sold in 500 foot spools; certain sizes are also available in 2500 foot reels.

- *Conductors*
  Stranded, uncoated copper conductors per ASTM-B174
- *Insulation*
  Color-coded Polyvinyl Chloride (PVC), heat and moisture-resistant, flame-retardant compound
- *Jacket*
  A tough, polyamide, Nylon outer covering

RATINGS

- UL Standards UL-62, UL-66, UL-758 and UL-1063
- AWM Spec 1310, 1312, 1316, 1318, 1321 Canadian Standard Association C22.2 No. 127
- NFPA 70: National Electrical Code (NEC) ARRA 2009; Section 1605 "Buy American" Compliant
- RoHS

TFFN Copper Conductor

Size (AWG) and Number of Conductors	NO. of Strands	PVC Insulation Thickness (Conductor)		Nylon Jacket Thickness		Outside Diameter		Approximate Net Weight		Allowable Ampacity (Amps)
		(mm)	(in)	(mm)	(in)	(mm)	(in)	(kg/km)	(lbs/1000ft)	
18	16	0.380	0.015	0.100	0.004	2.20	0.087	12	8	6
16	26	0.380	0.015	0.100	0.004	2.60	0.102	16	11	8

TFN Copper Conductor

Size (AWG) and Number of Conductors	NO. of Strands	PVC Insulation Thickness (Conductor)		Nylon Jacket Thickness		Outside Diameter		Approximate Net Weight		Allowable Ampacity (Amps)
		(mm)	(in)	(mm)	(in)	(mm)	(in)	(kg/km)	(lbs/1000ft)	
18	Solid	0.380	0.015	0.100	0.004	1.99	0.0783	12	8	6
16	Solid	0.380	0.015	0.100	0.004	2.26	0.0888	16	11	8

* Allowable ampacity shown above is per the National Electrical Code, Table 402.5. The above data is approximate and subject to normal manufacturing tolerances.

PRINT LEGEND: CONDUCTOR SIZES 18 AWG THROUGH 16 AWG SOLID: APOLLON WIRE & CABLE (size) AWG TYPE TFN OR AWM GRII 600 VOLTS (UL)
CONDUCTOR SIZES 18 AWG THROUGH 16 AWG STRANDED: APOLLON WIRE & CABLE (size) AWG TYPE MTW OR TFFN OR AWM GRII VW-I 600 VOLTS (UL)
OR AWM OR C (UL) TYPE TEWN FT1