

TFFN

PVC, Low-Voltage Power
600 V, Type TFFN, Single Conductor, Copper



Features:

- Rated Gasoline and Oil-Resistant II
- Resistant to abrasion, acids, alkalines, ozone, and water
- For TFFN applications, the conductor is appropriate for use in dry locations not to exceed 90°C
- For MTW applications, the conductor is appropriate for use in dry locations at 90°C or not to exceed 60°C in wet locations or where exposed to oil or coolants

Product Construction:

Conductor:

- 18 AWG and 16 AWG fully annealed bare copper per ASTM B3 and B174

Insulation:

- Color-coded premium-grade flame-retardant, heat- and moisture-resistant Polyvinyl Chloride (PVC)

Jacket:

- Tough Polyamide (Nylon)

Print:

- GENERAL CABLE® (PLANT OF MFG) (YEAR OF MFG) TYPE TFFN (SIZE) GAS AND OIL RES II 600 V OR MTW OR AWM (UL)

Applications:

- Internal wiring of fixtures
- Fixture raceways
- Fire alarm circuits in raceways

Compliances:

- ASTM B3 and B174
- UL Standard 66 for fixture wire
- UL Standard 1063 for machine tool wire (MTW)
- NFPA 70 (NEC® Article 402)
- NFPA 79 as appliance wiring material 600 V

Packaging:

- 4 x 500' in a carton
- 2500' reels

CATALOG NUMBER	SIZE		NO. OF WIRES	INSULATION THKN.		JACKET THKN.		NOMINAL CABLE O.D.		COPPER WEIGHT		NET WEIGHT		AMPACITY (1)
	AWG OR kcmil	mm ²		INCHES	mm	INCHES	mm	INCHES	mm	LBS/ 1000 FT	kg/km	LBS/ 1000 FT	kg/km	
18 AWG AND 16 AWG CONDUCTORS														
28018	18	0.82	16	0.015	0.38	0.004	0.10	0.088	2.24	5	7	8	12	6
28016	16	1.31	26	0.015	0.38	0.004	0.10	0.101	2.57	8	12	11	16	8

Dimensions and weights are nominal; subject to industry tolerances.

(1) Allowable ampacities shown are for general use as specified by the 2011 edition of the National Electric Code, section 402, Table 402.5.

Adjustments and corrections may apply.

NOTE: For MTW applications, the conductor is appropriate for use in dry locations at 90°C or not to exceed 60°C in wet locations or when exposed to oil or coolants (with ampacity limited to that for 75°C conductor temperature) as outlined in NFPA 79 Electrical Standards for Industrial Machinery.

COLOR CODE CHART

COLOR CODE	COLOR	COLOR CODE	COLOR
1	Black	7	Blue
2	White	8	Orange
3	Red	9	Gray
4	Green	A	Purple
5	Yellow	B	Pink
6	Brown		

PACKAGING CODE CHART

PACKAGING CODE	PACKAGE
20	4 x 500'
34	2500' Reel



TFFN