

TFFN

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

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 MTW OR TFFN (UL) SIZE AWG (SIZE MM²) GASOLINE AND OIL RESISTANT II 600 V OR AWM

Applications:

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

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
- Meets cold bend and cold impact tests at -25°C

Compliances:

Industry Compliances:

- ASTM B3 and B174
- UL Standard 66 for fixture wire
- UL Standard 1063 for machine tool wire (MTW)
- NFPA 90 (NEC® Article 402)
- NFPA 79 as appliance wiring material 600 V

Other Compliances:

- RoHS Compliant

Packaging:

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



CATALOG NUMBER	CONDUCTOR SIZE		NO. OF WIRES	MIN. AVG. INSULATION THICKNESS		JACKET THICKNESS		NOMINAL CABLE DIAMETER		COPPER WEIGHT		NET WEIGHT		AMPACITY (1) 30°C AMBIENT @90°C
	AWG/kcmil	mm ²		IN	mm	IN	mm	IN	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	

18 AWG AND 16 AWG CONDUCTORS

28018	18	0.52	16	0.015	0.38	0.004	0.10	0.086	2.18	5	7	7	10	6
28016	16	0.82	26	0.015	0.38	0.004	0.10	0.097	2.46	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 National Electric Code.

Adjustment 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	PACKAGING
20	4 x 500'
34	2500' Reel