

Wire - Type TFFN

Applications

Type TFFN conductors are primarily used as fixture wire as defined by the National Electrical Code (NEC) at temperatures not to exceed 90°C in dry locations. All conductors are permitted for new construction or rewiring for 600-volt applications. Rated gasoline and oil-resistant II.

TFFN wire is sold in 500 foot spools; certain sizes are also available in 2500 foot reels.



Insulation

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

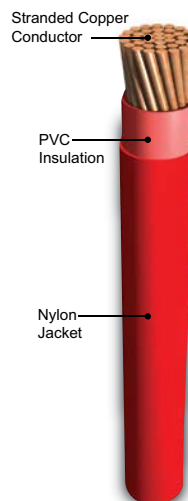
Jacket

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

Type TFFN Wire



Please Note: Our prices on wire are closely tied to the market price for copper. This allows us to offer the best savings possible if conditions are favorable; however, it also means that our prices may increase if market conditions warrant.

Type TFFN Wire Specifications

Size (AWG or kcmil)	Number of Strands	Cross-sectional Area (mm ²) (According to NEC)	Insulation Thickness (inches)		Overall Outside Diameter		Allowable Ampacities*	Approx. Weight (lbs) 500'/2500'	Standard Packaging spool/reel
			PVC	Nylon	(inches)	(mm)			
18	16	3.548	0.015	0.004	0.088	2.24	6	4 / 20	500' or 2500'
16	26	4.645	0.015	0.004	0.101	2.57	8	5.5 / 27.5	

*Note: Allowable ampacity shown above is per the National Electric Code. The above data is approximate and subject to normal manufacturing tolerances.

Type TFFN Wire

Part Number	Insulation Color	Gauge	Description	Spool/Reel Length	Approx. Weight	Price
TFFN18BK	Black	18AWG	Type TFFN wire, bare copper, 16 strands, 600 Volts	500'	4 lbs	
TFFN18WH	White					
TFFN18RD	Red					
TFFN18BL	Blue					
TFFN18GN	Green					
TFFN18YL	Yellow					
TFFN18OR	Orange					
TFFN18BN	Brown					
TFFN18PL	Purple					
TFFN18GY	Gray					
TFFN18BW	Blue with White spiral stripe					
TFFN16BK	Black	16AWG	Type TFFN wire, bare copper, 26 strands, 600 Volts	500'	5.5 lbs	
TFFN16WH	White					
TFFN16RD	Red					
TFFN16BL	Blue					
TFFN16GN	Green					
TFFN16YL	Yellow					
TFFN16OR	Orange					
TFFN16BN	Brown					
TFFN16GY	Gray					
TFFN16BW	Blue with White spiral stripe					

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Part Number	Color	Gauge	Description	Spool/Reel Length	Approx. Weight	Price
TFFN18BK25	Black	18AWG	Type TFFN wire, bare copper, 16 strands, 600 Volts	2500'	20 lbs	
TFFN18RD25	Red					
TFFN18BL25	Blue					
TFFN18BW25	Blue with White spiral stripe					
TFFN16RD25	Red	16AWG	Type TFFN wire, bare copper, 26 strands, 600 Volts		27.5 lbs	
TFFN16BL25	Blue					

Gauge Conversion Table

American Wire Gauge Conversion Chart*			
This cross reference shows equivalent nominal values. Actual cross sections may vary.			
AWG	mm2	AWG	mm2
30	0.05	6	16
28	0.08	4	25
26	0.14	2	35
24	0.25	1	50
22	0.34	1/0	55
21	0.38	2/0	70
20	0.50	3/0	95
18	0.75	4/0	120
17	1.00	300MCM	150
16	1.50	350MCM	185
14	2.50	500MCM	240
12	4	600MCM	300
10	6	750MCM	400
8	10	1000MCM	500

***Note: Table shows commercially used equivalent values.**