

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.



Conductors

Stranded, uncoated copper conductors per ASTM-B174

Insulation

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

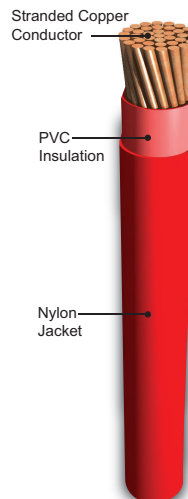
Jacket

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

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	\$35.00				
TFFN18WH	White					\$35.00				
TFFN18RD	Red					\$35.00				
TFFN18BL	Blue					\$35.00				
TFFN18GN	Green					\$35.00				
TFFN18YL	Yellow					\$35.00				
TFFN18OR	Orange					\$35.00				
TFFN18BN	Brown					\$35.00				
TFFN18PL	Purple					\$35.00				
TFFN18GY	Gray					\$35.00				
TFFN18BW	Blue with White spiral stripe					\$35.00				
TFFN16BK	Black					16AWG	Type TFFN wire, bare copper, 26 strands, 600 Volts	500'	5.5 lbs	\$48.00
TFFN16WH	White									\$48.00
TFFN16RD	Red	\$48.00								
TFFN16BL	Blue	\$48.00								
TFFN16GN	Green	\$48.00								
TFFN16YL	Yellow	\$48.00								
TFFN16OR	Orange	\$48.00								
TFFN16BN	Brown	\$48.00								
TFFN16GY	Gray	\$48.00								
TFFN16BW	Blue with White spiral stripe	\$48.00								

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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	\$145.00
TFFN18RD25	Red					\$145.00
TFFN18BL25	Blue					\$145.00
TFFN18BW25	Blue with White spiral stripe					\$188.00
TFFN16RD25	Red	16AWG	Type TFFN wire, bare copper, 26 strands, 600 Volts		27.5 lbs	\$200.00
TFFN16BL25	Blue					\$200.00
TFFN16OR25	Orange					\$200.00
TFFN16PL25	Purple					\$200.00

Gauge Conversion Table

American Wire Gauge Conversion Chart*			
This cross reference shows equivalent nominal values. Actual cross sections may vary.			
AWG	mm ²	AWG	mm ²
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.**