

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

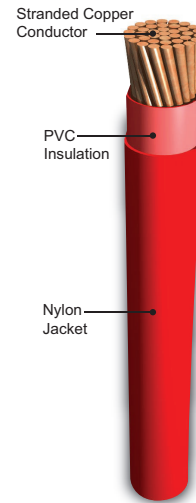
Jacket

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	\$30.50				
TFFN18WH	White					\$30.50				
TFFN18RD	Red					\$30.50				
TFFN18BL	Blue					\$30.50				
TFFN18GN	Green					\$30.50				
TFFN18YL	Yellow					\$30.50				
TFFN18OR	Orange					\$30.50				
TFFN18BN	Brown					\$30.50				
TFFN18PL	Purple					\$30.50				
TFFN18GY	Gray					\$30.50				
TFFN18BW	Blue with White spiral stripe					\$39.00				
TFFN16BK	Black					16AWG	Type TFFN wire, bare copper, 26 strands, 600 Volts	500'	5.5 lbs	\$41.50
TFFN16WH	White									\$41.50
TFFN16RD	Red	\$41.50								
TFFN16BL	Blue	\$41.50								
TFFN16GN	Green	\$41.50								
TFFN16YL	Yellow	\$41.50								
TFFN16OR	Orange	\$41.50								
TFFN16BN	Brown	\$41.50								
TFFN16GY	Gray	\$41.50								
TFFN16BW	Blue with White spiral stripe	\$49.50								

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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	\$139.00
TFFN18WH25	White					\$139.00
TFFN18RD25	Red					\$139.00
TFFN18BL25	Blue					\$139.00
TFFN18GN25	Green					\$139.00
TFFN18YL25	Yellow					\$139.00
TFFN18OR25	Orange					\$139.00
TFFN18BN25	Brown					\$139.00
TFFN18PL25	Purple					\$139.00
TFFN18GY25	Gray					\$139.00
TFFN18BW25	Blue with White spiral stripe					\$180.00
TFFN16BK25	Black	16AWG	Type TFFN wire, bare copper, 26 strands, 600 Volts	2500'	27.5 lbs	\$191.00
TFFN16WH25	White					\$191.00
TFFN16RD25	Red					\$191.00
TFFN16BL25	Blue					\$191.00
TFFN16GN25	Green					\$191.00
TFFN16YL25	Yellow					\$191.00
TFFN16OR25	Orange					\$191.00
TFFN16BN25	Brown					\$191.00
TFFN16PL25	Purple					\$191.00
TFFN16GY25	Gray					\$191.00
TFFN16BW25	Blue with White spiral stripe					\$231.00

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.