

# 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

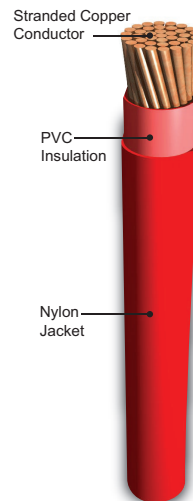
## Jacket

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 <sup>2</sup> ) (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	\$29.50
TFFN18WH	White					\$29.50
TFFN18RD	Red					\$29.50
TFFN18BL	Blue					\$29.50
TFFN18GN	Green					\$29.50
TFFN18YL	Yellow					\$29.50
TFFN18OR	Orange					\$29.50
TFFN18BN	Brown					\$29.50
TFFN18PL	Purple					\$29.50
TFFN18GY	Gray					\$29.50
TFFN18BW	Blue with White spiral stripe					\$37.50
TFFN16BK	Black					16AWG
TFFN16WH	White	\$40.00				
TFFN16RD	Red	\$40.00				
TFFN16BL	Blue	\$40.00				
TFFN16GN	Green	\$40.00				
TFFN16YL	Yellow	\$40.00				
TFFN16OR	Orange	\$40.00				
TFFN16BN	Brown	\$40.00				
TFFN16GY	Gray	\$40.00				
TFFN16BW	Blue with White spiral stripe	\$48.00				

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Part Number	Color	Gauge	Description	Spool/Reel Length	Approx. Weight	Price
<b>TFFN18BK25</b>	Black	18AWG	Type TFFN wire, bare copper, 16 strands, 600 Volts	2500'	20 lbs	\$147.00
<b>TFFN18WH25</b>	White					\$147.00
<b>TFFN18RD25</b>	Red					\$147.00
<b>TFFN18BL25</b>	Blue					\$147.00
<b>TFFN18GN25</b>	Green					\$147.00
<b>TFFN18YL25</b>	Yellow					\$147.00
<b>TFFN18OR25</b>	Orange					\$147.00
<b>TFFN18BN25</b>	Brown					\$147.00
<b>TFFN18PL25</b>	Purple					\$147.00
<b>TFFN18GY25</b>	Gray					\$147.00
<b>TFFN18BW25</b>	Blue with White spiral stripe					\$187.00
<b>TFFN16BK25</b>	Black	16AWG	Type TFFN wire, bare copper, 26 strands, 600 Volts	2500'	27.5 lbs	\$200.00
<b>TFFN16WH25</b>	White					\$200.00
<b>TFFN16RD25</b>	Red					\$200.00
<b>TFFN16BL25</b>	Blue					\$200.00
<b>TFFN16GN25</b>	Green					\$200.00
<b>TFFN16YL25</b>	Yellow					\$200.00
<b>TFFN16OR25</b>	Orange					\$200.00
<b>TFFN16BN25</b>	Brown					\$200.00
<b>TFFN16PL25</b>	Purple					\$200.00
<b>TFFN16GY25</b>	Gray					\$200.00
<b>TFFN16BW25</b>	Blue with White spiral stripe					\$240.00

## Gauge Conversion Table

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