

# 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.



## Conductor Insulation

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

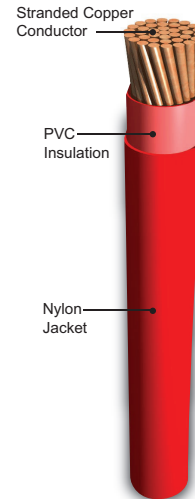
### Jacket

A tough, polyamide, Nylon outer covering

## Ratings

- UL Standards UL-66, UL-758 and UL-1063
- AWM Spec 1316, 1408, 1452 Canadian Standard Association C22.2 No. 210
- 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	mm2 Equivalent	Insulation Thickness (inches)		Overall Outside Diameter		Allowable Ampacities*	Approx. Weight (lbs) 500'/2500'	Standard Packaging spool/reel
			PVC	Nylon	(inches)	(mm)			
18	16	0.75	0.015	0.005	0.0	2.24	6	4 / 20	500' or 2500'
16	26	1.5	0.015	0.005	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	
<a href="#">TFFN18BK</a>	Black	18AWG	Type TFFN wire, bare copper, 16 strands, 600 Volts	500'	4 lbs	\$085h:	
<a href="#">TFFN18WH</a>	White					\$08bg:	
<a href="#">TFFN18RD</a>	Red					\$08be:	
<a href="#">TFFN18BL</a>	Blue					\$08b0:	
<a href="#">TFFN18GN</a>	Green					\$08b6:	
<a href="#">TFFN18YL</a>	Yellow					\$-08bi:	
<a href="#">TFFN18OR</a>	Orange					\$08ba:	
<a href="#">TFFN18BN</a>	Brown					\$08b2:	
<a href="#">TFFN18PL</a>	Purple					\$08bc:	
<a href="#">TFFN18GY</a>	Gray					\$08b8:	
<a href="#">TFFN18BW</a>	Blue with White spiral stripe					\$08b4:	
<a href="#">TFFN16BK</a>	Black	16AWG	Type TFFN wire, bare copper, 26 strands, 600 Volts		500'	5.5 lbs	\$:084[:
<a href="#">TFFN16WH</a>	White						\$085d:
<a href="#">TFFN16RD</a>	Red						\$085a:
<a href="#">TFFN16BL</a>	Blue						\$084#:
<a href="#">TFFN16GN</a>	Green						\$0852:
<a href="#">TFFN16YL</a>	Yellow						\$:085f:
<a href="#">TFFN16OR</a>	Orange						\$0856:
<a href="#">TFFN16BN</a>	Brown						\$084?:
<a href="#">TFFN16GY</a>	Gray						\$0854:
<a href="#">TFFN16BW</a>	Blue with White spiral stripe						\$0850:

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Part Number	Color	Gauge	Description	Spool/Reel Length	Approx. Weight	Price
<a href="#"><u>TFFN18BK25</u></a>	Black	18AWG	Type TFFN wire, bare copper, 16 strands, 600 Volts	2500'	20 lbs	\$-0085i:
<a href="#"><u>TFFN18RD25</u></a>	Red					\$,008bf:
<a href="#"><u>TFFN18BL25</u></a>	Blue					\$008b1:
<a href="#"><u>TFFN18BW25</u></a>	Blue with White spiral stripe					\$008b5:
<a href="#"><u>TFFN16RD25</u></a>	Red	16AWG	Type TFFN wire, bare copper, 26 strands, 600 Volts		27.5 lbs	\$0085b:
<a href="#"><u>TFFN16BL25</u></a>	Blue					\$,0084!:

## 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.