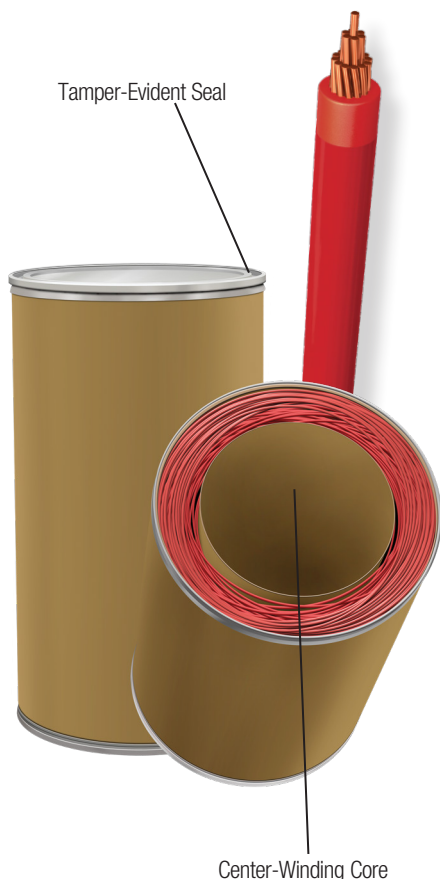




Stranded E -156879
Listed Solid E -123774



ENGINEERING SPECIFICATIONS

Standards

Underwriters Laboratories Standards UL-83, UL-1063, UL-758
AWM Spec 1316, 1317, 1318, 1319, 1320, 1321; ASTM Stranding Class B3, B8, B787;
Federal Specification A-A-59544; Canadian Standards Association C22.2 No. 75
NEMA WC70/ICEA S-95-658; Institute of Electrical and Electronics Engineers
ARRA 2009; Section 1605 "Buy American" Compliant

CONSTRUCTION

Conductors

Solid, uncoated copper conductors per ASTM-B3
Stranded, uncoated copper conductors per ASTM-B3, ASTM-B787 and ASTM-B8

Insulation

Color-coded Polyvinyl Chloride (PVC), heat and moisture-resistant, Center- flame-retardant compound per UL-1063 and UL-83

Jacket

A tough, polyamide, Nylon outer covering per UL-1063 and UL-83.

APPLICATIONS

Type THHN/THWN-2 building wire is intended for general purpose applications as defined by the National Electrical Code (NEC). Type THHN/THWN-2 is permitted for new construction or rewiring for 600-volt applications. Applications requiring Type THHN or THWN-2: the conductor is appropriate for use in wet or dry locations at temperatures not to exceed 90°C or not to exceed 75°C in oil or coolants. Applications requiring Type MTW: the conductor is appropriate for use in dry locations at 90°C, or not to exceed 60°C in wet locations or where exposed to oils or coolants. Applications requiring Type AWM: the conductor is appropriate for use at temperatures to not exceed 105°C in dry locations.

FEATURES

Slick, outer, Nylon jacket for easy pulling. VW-1 rated 14 AWG - 8 AWG. All sizes are rated gasoline and oil-resistant II.

Size (AWG)	Type	No. of Strands	PVC Insulation Thickness		Nylon Jacket Thickness		Outside Diameter		Allowable Ampacity (Amps)*			Approximate Net Weight (lbs/1000 ft)	Standard Packaging	
			(mm)	(in)	(mm)	(in)	(mm)	(in)	60°C	75°C	90°C		23x30.5 (55 gal) Small	23x42 (75 gal) Large
**18	TFN	Solid	0.380	0.015	0.100	0.004	1.990	0.078	-	-	6	8	20,000'	30,000'
**16	TFN	Solid	0.380	0.015	0.100	0.004	2.260	0.089	-	-	8	11	20,000'	30,000'
14	THHN	Solid	0.380	0.015	0.100	0.004	2.593	0.101	15	20	25	15	20,000'	30,000'
12	THHN	Solid	0.380	0.015	0.100	0.004	3.050	0.120	20	25	30	23	16,000'	24,000'
10	THHN	Solid	0.510	0.020	0.100	0.004	3.780	0.149	30	35	40	37	10,000'	15,000'
**18	TFFN	16	0.380	0.015	0.100	0.004	2.240	0.088	-	-	6	8	20,000'	30,000'
**16	TFFN	26	0.380	0.015	0.100	0.004	2.670	0.105	-	-	8	12	20,000'	30,000'
14	THHN	19	0.380	0.015	0.100	0.004	2.770	0.109	15	20	25	16	20,000'	30,000'
12	THHN	19	0.380	0.015	0.100	0.004	3.250	0.128	20	25	30	23	16,000'	24,000'
10	THHN	19	0.510	0.020	0.100	0.004	4.090	0.161	30	35	40	38	10,000'	15,000'
8	THHN	19	0.760	0.030	0.130	0.005	5.410	0.213	40	50	55	62	7,000'	10,000'

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

Print Legend: Conductor Sizes 18 AWG through 16 AWG Solid: Encore Wire Corporation (size) AWG type TFN OR AWM OR GR II VW-1 600 VOLTS (UL).

Conductor Sizes 18 AWG through 16 AWG Stranded: Encore Wire Corporation (size) AWG type MTW or TFFN OR AWM GR II VW-1 600 VOLTS (UL) OR AWM OR C (UL) TYPE TEWN FT1.

solid Conductor Sizes 14 AWG through 10 AWG: Encore Wire Corporation (size) AWG type THHN or THWN-2 GR II VW-1600 VOLTS (UL) or AWM or C-(UL) type T90 Nylon or TWN 75 FT1.

stranded Conductor Sizes 14 AWG through 8 AWG: Encore Wire Corporation (size) AWG type MTW or THHN or THWN-2 GR II VW-1 600 VOLTS (UL) or AWM or C-(UL) type T90 nylon or TWN 75 FT1

**Not Offered with SuperSlick Elite® outer jacket