



APPLICATION

600-volt building wire for use in commercial and industrial applications as specified in the NEC®, including machine-tool and appliance wiring. Marked VW-1.

CONDUCTORS

Solid conductors: Uncoated copper per ASTM-B3.

Stranded conductors: Uncoated copper per ASTM-B3, ASTM-B787

INSULATION

Color-coded, heat-and moisture-resistant PVC (polyvinyl chloride)

JACKET

Nylon (polyamide), clear

Circuit Sized THHN/THWN-2

PVC/Nylon

INDUSTRY STANDARDS*

UL 83: File No. E15119

UL 1063 (MTW): File No. E85964

AWM: File No. E11829 c(UL) Standard C22 No. 75 ASTM Standards: B3, B8, B787

WC70/ICEA S-95-658

Federal Specification A-A-59544 NFPA-70: National Electrical Code®

SURFACE PRINT

Stranded & Solid: +A 14 AWG (2.08mm²) (UL) THHN or THWN-2 or MTW or AWM GR2 VW-1 600V - C(UL) TWN75 or T90 NYLON

*It is the sole responsibility of the end user to determine suitability of this product for its intended end use and application.





Conductors		Covering		Approx.	All	owable Ampaciti	es*	Approx.			
Size (AWG)	Number of Strands	PVC Ins. Mils	Nylon Jkt. Mils	0.D. Inches	60°C **	75°C ***	90°C ****	Net Wt. Lbs./M Ft.	Standard Packaging		
14	Solid	15	4	0.104	15	20+	25+	15	500' (Spool), 2,500' (Reel)		
12	Solid	15	4	0.120	20	25+	30+	23	500' (Spool), 2,500' (Reel)		
10	Solid	20	4	0.151	30	35+	40+	37	500' (Spool), 2,500' (Reel)		
14	19	15	4	0.110	15	20	25	16	500' (Spool), 2,500' (Reel)		
12	19	15	4	0.130	20	25	30	24	500' (Spool), 2,500' (Reel)		
10	19	20	4	0.165	30	35	40	39	500' (Spool), 2,500' (Reel)		

^{*} See Table 310.15 (B) (16) NEC® for ampacities for derating purposes.

Colors available (Product Code 7th and 8th Digits)

AWG size	Black 01	White 02	Red 03	Blue 04	Green 05	Orange 06	Yellow 07	Brown 08	Purple 09	Grey 10	Pink 11	Tan 18
14 Solid	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
12 Solid	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
10 Solid	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
14 Strand	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
12 Strand	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
10 Strand	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х

^{**} For termination to equipment for circuits rated 100 amperes or less or marked for size 14 through 1 AWG conductors. Also for MTW used in wet locations or exposed to oil or coolant.

^{***} For termination to equipment for circuits rated over 100 amperes or marked for conductors larger than 1 AWG and for THWN in wet locations.

^{****} For THHN used in dry locations.

⁺ Per 240(D) NEC® overcurrent protection for 14, 12 and 10 awg conductors not to exceed 15, 20 and 30 amps respectively.