



THHN/THWN-2

Self-Lubricating Polymer PVC/Nylon,
8 AWG - 1000 MCM

ADDITIONAL FEATURES

- Sequential footage markings – 1 AWG and larger
- Gasoline and Oil Resistant II
- Machine Tool Wire: 90°C Dry
- Appliance Wire: 105°C Dry
- Rated THHN/THWN-2: 90°C Dry or Wet

APPLICATION

600 volt building wire for use in commercial and industrial applications as specified in the NEC®. 8-1 AWG is marked VW-1. 1/0 - 1000 MCM rated for CT use; 8 AWG-1000 MCM in black; rated sunlight-resistant. Pulling lube is not required.

CONDUCTORS

Uncoated copper per ASTM-B3, ASTM-B787, and ASTM-B8

INSULATION

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

JACKET

Nylon (polyamide), color-coded THHN is self-lubricated with Self-Lubricating Polymer Technology.

INDUSTRY STANDARDS*

- UL 1063 (MTW): File No. E85964
- AWM: File No. E11829
- c(UL) Standard C22 No 75
- RoHS Compliant
- ASTM: B3, B8, B787
- WC70/ICEA S-95-658
- Federal Specification A-A-59544
- NFPA70: National Electrical Code®

SURFACE PRINT

Sample: -A 250 KCMIL (127 mm²) (UL) THHN-THWN-2/
MTW/AWM GR II CT SR 600V c(UL) TWN75/T90 NYLON FT 1 600V GR 11

* 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. O.D. Inches	Allowable Ampacities*			Approx. Net Wt. Lbs./M Ft.	Standard Packaging
Size (AWG)	Number of Strands	PVC Ins. Mils	Nylon Jkt. Mils		60°C *	75°C *	90°C *		
8	19	30	5	0.217	40	50	55	63	500' 1000' 2500' 5000' 20000' reels
6	19	30	5	0.253	55	65	75	96	500' 1000' 2500' 5000' 15000' reels
4	19	40	6	0.322	70	85	95	153	500' 1000' 2500' 5000' 20000' reels
3	19	40	6	0.350	85	100	115	190	500' 1000' 2500' 5000' 15000' reels
2	19	40	6	0.380	95	115	130	233	500' 1000' 2500' 5000' 14000' reels
1	19	50	7	0.440	110	130	145	299	500' 1000' 2500' 5000' 15000' 22000' reels
1/0	19	50	7	0.480	125	150	170	371	500' 1000' 2500' 5000' 9000' 16000' reels
2/0	19	50	7	0.524	145	175	195	459	500' 1000' 2500' 5000' 14000' reels
3/0	19	50	7	0.575	165	200	225	571	500' 1000' 2500' 5000' 16000' reels
4/0	19	50	7	0.630	195	230	260	710	500' 1000' 2500' 5000' 7000' 9000' reels
250	37	60	8	0.700	215	255	290	848	500' 1000' 2500' 3500' 5000' reels
300	37	60	8	0.750	240	285	320	1,006	500' 1000' 2500' 4500' 7000' reels
350	37	60	8	0.802	260	310	350	1,166	500' 1000' 2500' 3000' 6000' reels
400	37	60	8	0.847	280	335	380	1,324	500' 1000' 2500' 5000' reels
500	37	60	8	0.930	320	380	430	1,640	500' 1000' 1500' 2500' 3000' 4000' reels
600	61	70	9	1.030	355	420	475	1,988	500' 1000' 2000' 3000' reels
750	61	70	9	1.136	400	475	535	2,459	500' 1000' 1500' reels
1000	61	70	9	1.288	455	545	615	3300	500' 1000' 1500' reels

Available Colors: Black, White, Red, Blue, Green, Orange, Yellow, Brown, Purple and Gray (most colors available on all - call warehouse for details)

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