

- 90°C Dry - 75°C Wet/600 Volts
- Gasoline and Oil Resistant II
- Machine Tool Wire (Stranded): 90°C Dry
- Appliance Wire: 105°C Dry
- 8 AWG - 750 MCM rated THWN-2: 90°C Wet or Dry

THHN/THWN-2

Vinylon® PVC/Nylon

APPLICATIONS

- 600 volt building wire for use in commercial and industrial applications as specified in the NEC®
- 14 AWG - 1 AWG is marked VW-1
- 1/0 - 750 MCM black; For CT use
- 8 AWG - 750 MCM in black; Rated sunlight resistant

CONDUCTORS

- Solid conductors: Uncoated copper per ASTM-B3
- Stranded conductors: Uncoated copper per ASTM-B3, ASTM-B787 (14 AWG - 4/0) and ASTM-B8 (250 MCM - 750 MCM)

INSULATION

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

JACKET

- Nylon (polyamide), clear on 14 AWG - 1 AWG, black on 1/0 - 750 MCM

INDUSTRY STANDARDS

- UL 83: File No. E15119
- UL 1063 (MTW): File No. E85964
- AWM: File No. E11829
- Canadian Standard C22.2 No. 75 and CSA Bulletin No. 1451
- ASTM: B3, B8, B787
- WC70/ICEA S-95-658
- Federal Specification A-A-59544
- NFPA70: National Electrical Code®

SURFACE PRINT

- Sample: CERRO WIRE VINYLON-A 750 KCMIL (UL) MTW OR THWN-2 OR THHN OR GASOLINE AND OIL RESISTANT II OR AWM FOR CT USE SUNLIGHT RESISTANT 600V - C(UL) THWN75 OR T90 NYLON

Product Code	Conductors		Covering		Approx. O.D. Inches	Allowable Ampacities*			Approx. Net Wt. lbs./m ft.
	AWG Size	No. of Strands	PVC Ins. Mils.	Nylon jkt. Mils.		60°C **	75°C ***	90°C ****	
112-14XX	14	SOL	15	4	0.104	15	15	15	15
112-16XX	12	SOL	15	4	0.120	20	20	20	23
112-18XX	10	SOL	20	4	0.151	30	30	30	37
112-34XX	14	19	15	4	0.110	15	15	15	16
112-36XX	12	19	15	4	0.130	20	20	20	24
112-38XX	10	19	20	4	0.165	30	30	30	39
112-40XX	8	19	30	5	0.217	40	50	55	63
112-42XX	6	19	30	5	0.253	55	65	75	96
112-44XX	4	19	40	6	0.322	70	85	95	153
112-45XX	3	19	40	6	0.350	85	100	110	190
112-46XX	2	19	40	6	0.380	95	115	130	233
112-47XX	1	19	50	7	0.440	110	130	150	299
112-50XX	1/0	19	50	7	0.480	125	150	170	371
112-52XX	2/0	19	50	7	0.524	145	175	195	459
112-54XX	3/0	19	50	7	0.575	165	200	225	571
112-56XX	4/0	19	50	7	0.630	195	230	260	710
112-60XX	250	37	60	8	0.700	215	255	290	848
112-64XX	300	37	60	8	0.750	240	285	320	1006
112-68XX	350	37	60	8	0.802	260	310	350	1166
112-72XX	400	37	60	8	0.847	280	335	380	1324
112-80XX	500	37	60	8	0.930	320	380	430	1640
112-84XX	600	61	70	9	1.030	355	420	475	1988
112-88XX	750	61	70	9	1.136	400	475	535	2459

XX = Color Add Code (See chart below)

* Per Table 310-16 NEC®

** For termination to equipment for circuits rated 100 amperes or less, or marked Nos. 14 through 1 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 No. 1. Also for THWN-2 exposed to oil or coolant and MTW in dry locations.

**** For THHN used in dry locations and THWN-2 used in wet or dry locations.

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Color Available (Product Code 6th and 7th Digits)											
Size	Black 01	White 02	Red 03	Blue 04	Green 05	Orange 06	Yellow 07	Brown 08	Purple 09	Grey 10	Pink 11
14 Solid THHN	X	X	X	X	X	X ¹	X ¹	X ¹	X ¹	X ¹	X ¹
12 Solid THHN	X	X	X	X	X	X	X	X	X	X	X
10 Solid THHN	X	X	X	X	X	X	X	X	X ¹	X	X
14 Strd. THHN	X	X	X	X	X	X	X	X	X	X	X
12 Strd. THHN	X	X	X	X	X	X	X	X	X	X	X
10 Strd. THHN	X	X	X	X	X	X	X	X	X	X	X
8 Strd. THHN	X	X	X	X	X	X ²	X ²	X ²		X	
6 Strd. THHN	X	X	X	X ¹	X	X	X	X		X	
4 Strd. THHN	X	X	X		X	X	X	X		X	
3 Strd. THHN	X										
2 Strd. THHN	X	X	X		X						
1 Strd. THHN	X	X									
1/0-750 MCM THHN	X										
1 Not available in 2500 reels											
2 Not available in 5000 reels											

Package Code	J	J	J	K	M	P	L	R
AWG Size	500' spool 1000' ctn	500' spool 2000' ctn	500' reel	1000' reel	2500' reel	5000' reel	1500' reel	2000' reel
14,12 Sol & Strd		X			X			
10 Sol & Strd	X				X			
8 Stranded			X	X	X	X		
6 Stranded			X	X	X	X		
4 Stranded			X	X	X	X		
3 Stranded			X	X	X	X		
2 Stranded			X	X	X	X		
1 Stranded			X	X	X	X		
1/0			X	X	X	X		
2/0			X	X	X	X		
3/0			X	X	X	X		
4/0			X	X	X	X		
250 MCM			X	X	X	X		
300 MCM			X	X	X			
350 MCM			X	X	X			
400 MCM			X	X				X
500 MCM			X	X	X			X
600 MCM			X	X				X
750 MCM			X	X			X	