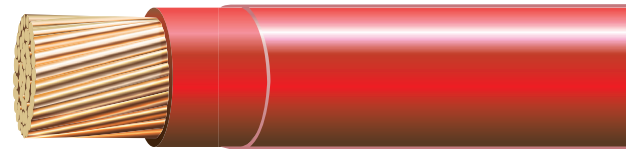


# THHN/THWN-2

SLiPWire™ Self-Lubricating Polymer  
Vinylon® PVC/Nylon, 8 AWG – 750 MCM



**Sequential  
foot markings**

**No pulling lube  
required**

**90°C Dry or Wet**

**600 volts**



**SLiPWire™**  
Self Lubricating Polymer



MADE IN THE USA

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## ADDITIONAL FEATURES

Sequential footage markings — 1 AWG and larger  
Max Print® for easy ID  
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

## APPLICATIONS

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 – 750 MCM rated for CT use; 8 AWG-750 MCM in black; rated sunlight-resistant. Pulling lube is not required with SLP™ (self-lubricating polymer).

## CONDUCTORS

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

## INSULATION

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

## SLIP-JACKET™

Nylon (polyamide), color-coded SLiPWire™ THHN is self-lubricated with CERROWIRE's SLP-Jacket™ (Self-Lubricating Polymer) Technology  
Printed with True Sequential Footage™

## 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  
RoHS Compliant

ASTM: B3, B8, B787  
WC70/ICEA S-95-658  
Federal Specification A-A-59544  
NFPA70: National Electrical Code®

Cerrowire LLC self certifies that these products, in stranded constructions, satisfy the product safety requirements identified by the European Low Voltage Directives 2006/95/EC.

## SURFACE PRINT

Sample: CERROWIRE VINYLON-A 250 KCMIL (127mm<sup>2</sup>) (UL) THHN/THWN-2/MTW/AWM  
GR II CT SR 600V c(UL) TWN75/T90 NYLON FT I 600V GR II

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

**cerrowire**

Electrical Distribution Division: 800.523.3869 | FAX 877.877.9563  
www.cerrowire.com

A Marmon Group/  
Berkshire Hathaway Company

**THHN/THWN-2**

SLiPWire™ Self-Lubricating Polymer, Vinylon® PVC/Nylon, 8 AWG – 750 MCM

Product Code Number	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 ****	
112-40xx	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	1,006
112-68xx	350	37	60	8	0.802	260	310	350	1,166
112-72xx	400	37	60	8	0.847	280	335	380	1,324
112-80xx	500	37	60	8	0.930	320	380	430	1,640
112-84xx	600	61	70	9	1.030	355	420	475	1,988
112-88xx	750	61	70	9	1.136	400	475	535	2,459

xx Color add code (see chart)

\* Per Table 310.15 (B) (16) NEC®

\*\* 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. 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. For ampacity derating purposes.

# THHN/THWN-2

SLiPWire™ Self-Lubricating Polymer, Vinylon® PVC/Nylon, 8 AWG – 750 MCM

Colors Available (Product Code 6 <sup>th</sup> and 7 <sup>th</sup> Digits)										
Size	Black 01	White 02	Red 03	Blue 04	Green 05	Orange 06	Yellow 07	Brown 08	*Purple 09	Gray 10
8 AWG	X	X	X	X	X <sup>4</sup>	X	X	X	X	X
6 AWG	X	X	X	X	X <sup>4</sup>	X	X	X	X	X
4 AWG	X	X	X	X	X <sup>5</sup>	X	X	X		X
3 AWG	X	X	X	X	X <sup>1</sup>	X	X	X		X
2 AWG	X	X	X	X	X <sup>5</sup>	X	X	X		X
1 AWG	X <sup>0</sup>	X <sup>1</sup>	X <sup>1</sup>	X <sup>1</sup>	X <sup>1</sup>	X <sup>1</sup>	X <sup>1</sup>	X <sup>1</sup>		X <sup>1</sup>
1/0 AWG	X <sup>0</sup>	X <sup>1</sup>	X <sup>1</sup>	X <sup>1</sup>	X <sup>1</sup>	X <sup>1</sup>	X <sup>1</sup>	X <sup>1</sup>		X <sup>1</sup>
2/0 AWG	X <sup>0</sup>	X <sup>1</sup>	X <sup>1</sup>	X <sup>1</sup>	X <sup>1</sup>	X <sup>1</sup>	X <sup>1</sup>	X <sup>1</sup>		X <sup>1</sup>
3/0 AWG	X <sup>0</sup>	X <sup>1</sup>	X <sup>1</sup>	X <sup>1</sup>	X <sup>1</sup>	X <sup>1</sup>	X <sup>1</sup>	X <sup>1</sup>		X <sup>1</sup>
4/0 AWG	X <sup>0</sup>	X <sup>1</sup>	X <sup>1</sup>	X <sup>1</sup>	X <sup>1</sup>	X <sup>1</sup>	X <sup>1</sup>	X <sup>1</sup>		X <sup>1</sup>
250 MCM	X <sup>0</sup>	X <sup>2</sup>	X <sup>2</sup>	X <sup>2</sup>	X <sup>2</sup>	X <sup>2</sup>	X <sup>2</sup>	X <sup>2</sup>		X <sup>2</sup>
300 MCM	X <sup>0</sup>	X <sup>2</sup>	X <sup>2</sup>	X <sup>2</sup>	X <sup>2</sup>	X <sup>2</sup>	X <sup>2</sup>	X <sup>2</sup>		X <sup>2</sup>
350 MCM	X <sup>0</sup>	X <sup>2</sup>	X <sup>2</sup>	X <sup>2</sup>	X <sup>2</sup>	X <sup>2</sup>	X <sup>2</sup>	X <sup>2</sup>		X <sup>2</sup>
400 MCM	X <sup>0</sup>	X <sup>3</sup>	X <sup>3</sup>	X <sup>3</sup>	X <sup>3</sup>	X <sup>3</sup>	X <sup>3</sup>	X <sup>3</sup>		X <sup>3</sup>
500 MCM	X <sup>0</sup>	X <sup>2</sup>	X <sup>2</sup>	X <sup>2</sup>	X <sup>2</sup>	X <sup>2</sup>	X <sup>2</sup>	X <sup>2</sup>		X <sup>2</sup>
600 MCM	X <sup>0</sup>	X <sup>3</sup>	X <sup>3</sup>	X <sup>3</sup>	X <sup>3</sup>	X <sup>3</sup>	X <sup>3</sup>	X <sup>3</sup>		X <sup>3</sup>
750 MCM	X <sup>0</sup>	X <sup>6</sup>	X <sup>6</sup>	X <sup>6</sup>	X <sup>6</sup>	X <sup>6</sup>	X <sup>6</sup>	X <sup>6</sup>		X <sup>6</sup>

0 Only black 8 AWG and larger are rated sunlight resistant

1 Only available in 5,000' reels

2 Only available in 2,500' reels

3 Only available in 2,000' reels

4 Only available in 500', 1,000', 2,500', 5,000' reels

5 Only available in 500', 1,000', 5,000' reels

6 1,500' reels only

Package Code	J	K	L	R	M	Q	04	P	08	09	11	12	14	15
Size	500' Reel	1,000' Reel	1,500' Reel	2,000' Reel	2,500' Reel	4,000' Reel	4,500' Reel	5,000' Reel	8,000' Reel	9,000' Reel	11,000' Reel	12,000' Reel	14,000' Reel	15,000' Reel
8 AWG	X <sup>3</sup>	X <sup>3</sup>			X <sup>3</sup>			X <sup>3</sup>						
6 AWG	X <sup>3</sup>	X <sup>3</sup>			X <sup>3</sup>			X <sup>3</sup>						
4 AWG	X <sup>3</sup>	X <sup>3</sup>						X <sup>3</sup>						
3 AWG								X <sup>3</sup>						
2 AWG	X <sup>3</sup>	X <sup>3</sup>						X <sup>3</sup>						
1 AWG	X <sup>1</sup>	X <sup>1</sup>			X <sup>1</sup>			X <sup>2</sup>						X <sup>1</sup>
1/0 AWG	X <sup>1</sup>	X <sup>1</sup>			X <sup>1</sup>			X <sup>2</sup>		X <sup>1</sup>		X <sup>1</sup>		
2/0 AWG	X <sup>1</sup>	X <sup>1</sup>			X <sup>1</sup>			X <sup>2</sup>	X <sup>1</sup>				X <sup>1</sup>	
3/0 AWG	X <sup>1</sup>	X <sup>1</sup>			X <sup>1</sup>			X <sup>2</sup>			X <sup>1</sup>			
4/0 AWG	X <sup>1</sup>	X <sup>1</sup>			X <sup>1</sup>			X <sup>2</sup>		X <sup>1</sup>				
250 MCM	X <sup>1</sup>	X <sup>1</sup>			X <sup>2</sup>			X <sup>1</sup>						
300 MCM	X <sup>1</sup>	X <sup>1</sup>			X <sup>2</sup>		X <sup>1</sup>							
350 MCM	X <sup>1</sup>	X <sup>1</sup>			X <sup>2</sup>			X <sup>1</sup>						
400 MCM	X <sup>1</sup>	X <sup>1</sup>		X <sup>2</sup>		X <sup>1</sup>								
500 MCM	X <sup>1</sup>	X <sup>1</sup>		X <sup>1</sup>	X <sup>2</sup>	X <sup>1</sup>								
600 MCM	X <sup>1</sup>	X <sup>1</sup>		X <sup>2</sup>										
750 MCM	X <sup>1</sup>	X <sup>1</sup>	X <sup>2</sup>											

1 Available in black only

2 Available in all colors except purple and pink

\* Purple is available in multiple putups upon request