

# 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**

## 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; 1 AWG-750 MCM in black; rated sunlight-resistant. Pulling lube is not required with SLP™ (self-lubricating polymer). CT-VO-750 MCM

## CONDUCTORS

Uncoated copper per ASTM-B3, ASTM-B787 (6 AWG-500 MCM), and ASTM-B8 (600 MCM-750 MCM)

## 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

## 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®  
RoHS Compliant

## SURFACE PRINT

Sample: CERROWIRE VINYLON-A 350 KCMIL (UL) MTW or THWN-2 or THHN or GASOLINE AND OIL RESISTANT II or AWM FOR CT USE SUNLIGHT RESISTANT 600V - C(UL) TWN75 or T90 NYLON

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MADE IN THE USA

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A Marmon Wire & Cable/  
Berkshire Hathaway Company

# THHN/THWN-2

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

\* Per Table 310-16 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, 8AWG – 750 MCM

COLORS 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
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>									

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

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	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>1</sup>											

1 Available in black only

2 Available in all colors except purple and pink