

**NEW,  
IMPROVED  
slip technology!**

# THHN / THWN-2

## Thermoplastic-Insulated Copper

600V  
90°C insulation  
14 AWG – 1000 kcmil



### Description:

Thermoplastic-insulated copper wire with a nylon covering. Sizes 8 AWG through 1000 kcmil feature Cerrowire SLiPWire® Technology for fast and easy pulling in conduit. This 90°C, 600 volt building wire is for use in residential, commercial and industrial applications. Intended for use in accordance with the National Electrical Code® in both wet and dry locations. Sunlight resistant in black only 8 AWG through 1000 kcmil. Conductors 14 AWG through 1 AWG are marked VW-1 and 1/0 AWG through 1000 kcmil are rated for use in cable tray. When used as appliance wire, 105°C dry rated.

### Materials:

**Solid conductors:** Soft, uncoated copper per ASTM B3

**Stranded conductors:** Uncoated copper per ASTM B3, B8, and B787

**Insulation:** Nylon (polyamide) color-coded THHN/THWN-2. Sizes 8 AWG through 1000 kcmil SLiPWire® are self-lubricated with Cerrowire's Self-Lubricating Polymer Technology. Sizes 1 AWG and larger are available printed with True Sequential Footage™ on master reels. Stripes available on 14 AWG to 10 AWG.

### Standards:

UL 83: E15119      ASTM B3  
UL 1063: E85964      ASTM B8  
UL 758: E11829      ASTM B787

Federal Specification A-A-59544  
NFPA 70 (National Electrical Code)  
NEMA WC 70 Construction Requirements  
RoHS/REACH Compliant

### Surface Print:

MaxPrint® for easy identification!  
Sample: CERROWIRE THHN/THWN-2/  
MTW 250 KCMIL (127 mm<sup>2</sup>) GRII CT  
SR 600V (UL) OR AWM (Additional  
information may be included.)

### Available colors:

- Black
- White
- Red
- Orange
- Yellow
- Green
- Blue
- Purple
- Pink
- Brown
- Grey
- Tan

### Features:

SLiPWire®  
technology



TRUE Sequential Footage™

cerrowire

**MaxPrint®**

RoHS  
compliant



Conductors		Covering		Approx. Cable Dimension (in)	Approx. Net Wt Lbs/MFt
Size-(AWG or kcmil)	# of Strands	Insulation (mils)	Nylon (mils)		
14	Solid	15	4	0.104	15
12	Solid	15	4	0.12	23
10	Solid	20	4	0.151	37
14	19	15	4	0.111	16
12	19	15	4	0.13	24
10	19	20	4	0.164	39
8	19	30	5	0.216	61
6	19	30	5	0.254	93
4	19	40	6	0.324	149
3	19	40	6	0.352	184
2	19	40	6	0.384	225
1	19	50	7	0.446	288
1/0	19	50	7	0.486	357
2/0	19	50	7	0.532	441
3/0	19	50	7	0.584	550
4/0	19	50	7	0.642	692
250	37	60	8	0.711	825
300	37	60	8	0.766	985
350	37	60	8	0.817	1142
400	37	60	8	0.864	1296
500	37	60	8	0.949	1599
600	61	70	9	1.051	1934
750	61	70	9	1.156	2424
1000	61	70	9	1.31	3300

Data are approximate and subject to normal manufacturing tolerances. Strand counts may vary for SIW constructions.  
It is the sole responsibility of the end user to determine suitability of this product for its intended use and application.  
Most colors available on all sizes; call Cerrowire to verify. Other colors may be available upon request.