

**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  
 AWM: 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 250 KCMIL (UL)  
 THHN/THWN-2/MTW/AWM GR II CT  
 SR 600V (Additional information may be included.)

| 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            | 0.362                        | 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                   |

### Available colors:

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

### Features:

**SLiPWire™**  
technology



**TRUE** Sequential Footage™

cerrowire  
**MaxPrint®**

**RoHS**  
compliant



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.