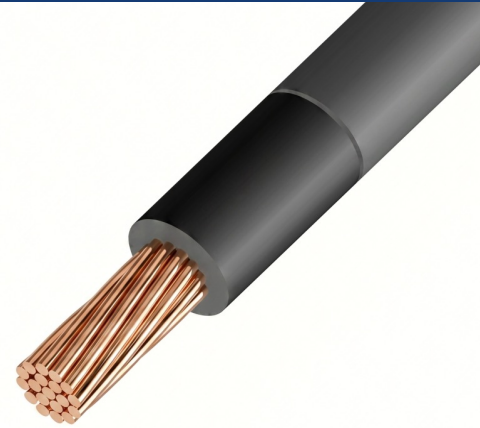


THHN / THWN-2 Building Wire (Copper, 600V, UL 83 Standard)

Farwalk's THHN / THWN-2 wires are the industry standard for high-reliability general-purpose wiring. Specifically engineered with a friction-resistant Nylon jacket, these wires ensure smooth, easy pulling through conduits while offering exceptional resistance to heat, moisture, and gasoline-oil environments.



Applications

The primary choice for electrical services, feeders, and branch circuits in commercial and industrial applications. Universally used in conduit and cable trays for new construction and modernization projects. THWN-2 rating makes it mandatory for installations requiring high performance in wet locations.

Description

Manufactured in strict accordance with UL 83 and the National Electrical Code (NEC). It features a high-purity stranded or solid annealed copper conductor, insulated with heat and moisture-resistant Polyvinyl Chloride (PVC), and protected by a tough, clear Polyamide (Nylon) outer jacket. Rated for 600 volts and 90°C in both dry and wet locations.

Specifications

- **Voltage Rating: 600V**
- **Conductor: Bare Copper (Solid or Stranded)**
- **Insulation: PVC (Heat & Moisture Resistant)**
- **Jacket: Nylon (Tough & Abrasion Resistant)**
- **Temp. Rating: 90° C Dry/Wet**
- **Standard: UL 83, UL 1063 (MTW)**

Farwalk Cable — THHN / THWN-2 Building Wire

Complete Technical Tables

THHN / THWN-2 Building Wire (AWG Sizes)

Size (AWG / kcmil)	No. of Strands	PVC Thick. (mils/mm)	Nylon Thick. (mils/mm)	Approx. OD (mils/mm)	Allowable Ampacity @ 90° C (Amps)
Stranded Copper THHN / THWN-2 - 600V					
14 AWG	7	15 / 0.38	4 / 0.10	109 / 2.77	15
12 AWG	7	15 / 0.38	4 / 0.10	128 / 3.25	20
10 AWG	7	20 / 0.51	4 / 0.10	161 / 4.09	30
8 AWG	19	30 / 0.76	5 / 0.13	213 / 5.41	55
6 AWG	19	30 / 0.76	5 / 0.13	249 / 6.32	75
4 AWG	19	40 / 1.02	6 / 0.15	317 / 8.05	95
2 AWG	19	40 / 1.02	6 / 0.15	378 / 9.60	130
1/0 AWG	19	50 / 1.27	7 / 0.18	474 / 12.04	170
2/0 AWG	19	50 / 1.27	7 / 0.18	518 / 13.16	195
4/0 AWG	19	50 / 1.27	7 / 0.18	624 / 15.85	260
500 kcmil	37	60 / 1.52	9 / 0.23	921 / 23.39	430