

XHHW-2 Building Wire (Copper, 600V, UL 44 Standard)

Farwalk's XHHW-2 wires are the high-performance alternative to standard PVC building wires. Utilizing thermoset Cross-linked Polyethylene (XLPE) insulation, these wires offer superior heat resistance, lower dielectric loss, and exceptional durability in wet environments without the need for a Nylon jacket.



Applications

The premier choice for electrical feeders and branch circuits in high-load industrial, institutional, and commercial buildings. Specifically preferred for installations in hospitals, data centers, and industrial plants where thermal stability and long-term moisture resistance are mission-critical.

Description

Manufactured in strict accordance with UL 44 and ASTM standards. The core features a plain annealed copper conductor (Class B stranded). The insulation is a specialized thermoset XLPE compound that provides a 90°C rating in both dry and wet locations. Unlike THHN, XHHW-2 does not utilize a Nylon jacket, relying instead on the inherent toughness of the XLPE skin.

Specifications

- **Voltage Rating: 600V**
- **Conductor: Bare Copper (Stranded)**
- **Insulation: XLPE (Cross-linked Polyethylene)**
- **Temp. Rating: 90°C Dry/Wet**
- **Standard: UL 44**

Farwalk Cable — XHHW-2 Building Wire

Complete Technical Tables

XHHW-2 Building Wire (AWG Sizes)

Size (AWG / kcmil)	No. of Strands	Insulation Thick. (mils/mm)	Approx. OD (mils/mm)	Approx. Weight (lb/kft)	Allowable Ampacity @ 90° C (Amps)
Stranded Copper XHHW-2 - 600V					
14 AWG	7	30 / 0.76	131 / 3.33	19	15
12 AWG	7	30 / 0.76	150 / 3.81	27	20
10 AWG	7	30 / 0.76	174 / 4.42	40	30
8 AWG	7	45 / 1.14	233 / 5.92	67	55
6 AWG	7	45 / 1.14	271 / 6.88	101	75
4 AWG	7	45 / 1.14	317 / 8.05	153	95
2 AWG	7	45 / 1.14	379 / 9.63	233	130
1/0 AWG	19	55 / 1.40	475 / 12.07	375	170
2/0 AWG	19	55 / 1.40	520 / 13.21	466	195
4/0 AWG	19	55 / 1.40	632 / 16.05	724	260
500 kcmil	37	65 / 1.65	910 / 23.11	1665	430