QI® XHHW/XHHW-2, Copper, XLPE Insulated

XLPE Insulated, 600/1000 V

Features

UL Listed as Types XHHW/XHHW-2.

Voltage rating for XHHW-2 conductors is 600 volts for all sizes and 1000 volts for sizes 8 AWG and larger

Sunlight Resistant in all colors.

Use of lubrication is not mandatory to install QI® XHHW/XHHW-2 conductors in the raceways.

Complete cable is Lead Free and RoHS compliant.

Complete cable is Silicon Free

Application

These cables are used for general purpose wiring in circuits not exceeding 600/1000 volts as indicated for the sizes.

May be used in wet or dry locations, installed in conduit, duct, or open air in accordance with requirements of the NEC®.

Standards

UL 44

Thermoset-Insulated Wire and Cable.

ICEA S-95-658/NEMA WC70

Nonshielded 0 – 2kV Cables.

Specifications

Maximum operating voltage:

- 600/1000 volts

Maximum conductor operation temperatures:

- 90 °C wet and dry

Engineering Information

1. Conductor: Soft annealed uncoated copper compressed Class B stranding, or unilay-compressed per ASTM B8.
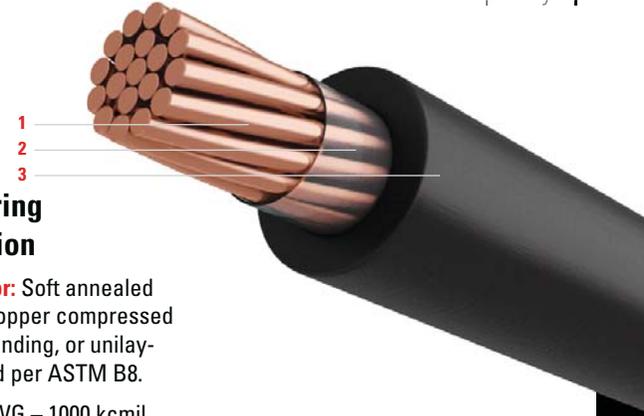
Sizes: 14 AWG – 1000 kcmil.

On request, Tinned coated copper Conductor and larger sizes are available.

2. Separator: A suitable opaque tape, as required.

3. Insulation: Black Thermoset flame retardant cross-linked polyethylene (XLPE).

On request, colored insulation.

Technical Data

XHHW/XHHW-2 600/1000 V

Size AWG or kcmil	Number of Strands	Insulation Thickness mil	Approximate Outside Diameter in	Approximate Net Weight lb/kft
14	7	30	0.13	19
12	7	30	0.15	27
10	7	30	0.18	41
8	7	45	0.24	68
6	7	45	0.27	98
4	7	45	0.32	150
2	7	45	0.38	231
1	19	55	0.44	293
1/0	19	55	0.48	365
2/0	19	55	0.52	455
3/0	19	55	0.57	567
4/0	19	55	0.63	709
250	37	65	0.69	838
300	37	65	0.75	998
350	37	65	0.80	1159
400	37	65	0.84	1319
500	37	65	0.93	1638
600	61	80	1.03	1972
750	61	80	1.14	2448
1000	61	80	1.29	3239

The above data are approximate and subject to normal manufacturing tolerances. Other sizes available upon request.
Ampacities: Refer to beginning of section.

August 1, 2022

Low Voltage Industrial – Copper