

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



A Viakable Company

VW-1; GRI; GRII; SR; CT; 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

Sizes 1/0 and larger are UL Listed to mark CT USE in accordance with NEC meeting UL 1685 vertical-tray flame exposure at 70,000 Btu/hr.

Sunlight Resistant in all colors.

Rated VW-1, Gas & Oil Resistant GRI or GRII.

Complete cable is Lead Free and RoHS compliant.

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

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 – 2 kV Cables.

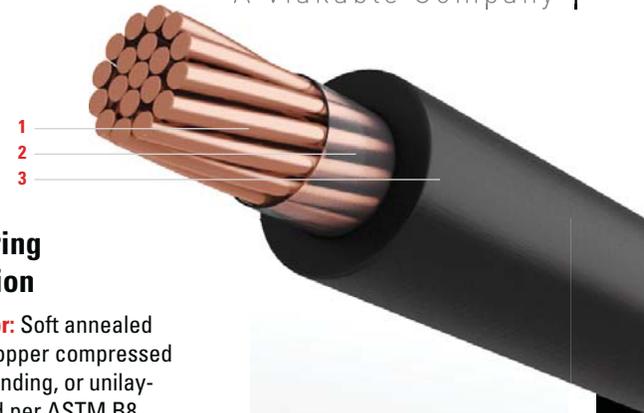
Specifications

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, larger sizes available.

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

3. Insulation: Thermoset flame retardant cross-linked polyethylene (XLPE). Color conductors sizes 14 – 8 AWG. Black conductors sizes 6 AWG and above.

Technical Data

XHHW/XHHW-2 600/1000 V

Size AWG or kcmil	Number of Strands	Insulation Thickness	Approximate Outside Diameter	Approximate Net Weight
		mil	in	lb/kft
14	7	30	0.13	18
12	7	30	0.15	27
10	7	30	0.18	40
8	7	45	0.24	67
6	7	45	0.27	101
4	7	45	0.32	153
2	7	45	0.38	236
1	19	55	0.44	298
1/0	19	55	0.48	369
2/0	19	55	0.53	459
3/0	19	55	0.58	572
4/0	19	55	0.63	713
250	37	65	0.70	849
300	37	65	0.75	1010
350	37	65	0.80	1171
400	37	65	0.85	1331
500	37	65	0.93	1651
600	61	80	1.04	1997
750	61	80	1.14	2477
1000	61	80	1.29	3272

The above data are approximate and subject to normal manufacturing tolerances. Other sizes available upon request.

Ampacities: Refer to beginning of section.