

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.

Available upon request a Silicon Free version with CT rating.

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.

Suitable for use in low leakage circuits per NEC requiring a dielectric constant less than 3.5.

Standards

UL 44

Rubber-Insulated wires & cables.

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 or Class C 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 *continued*

QI® XHHW/XHHW-2 600/1000 V

Size AWG or kcmil	Common Stock Part Numbers	Number of Strands	Insulation Thickness		Approximate Outside Diameter		Approximate Net Weight	
			mil		in		lb/kft	
14*		7 or 19	30		0.13		18	
12*		7 or 19	30		0.15		27	
10*		7 or 19	30		0.18		40	
8		7 or 19	45		0.24		67	
6		7 or 19	45		0.27		101	
4		7 or 19	45		0.32		153	
3		7 or 19	45		0.35		192	
2		7 or 19	45		0.38		236	
1	2105**CUT-US	19	55		0.44		298	
1/0	2110**CUT-US	19	55		0.48		369	
2/0	2120**CUT-US	19	55		0.53		459	
3/0	2130**CUT-US	19	55		0.58		572	
4/0	2140**CUT-US	19	55		0.63		713	
250	2250**CUT-US	37	65		0.70		849	
300	2300**CUT-US	37	65		0.75		1010	
350	2350**CUT-US	37	65		0.80		1171	
400	2400**CUT-US	37	65		0.85		1331	
500	2500**CUT-US	37	65		0.93		1651	
600	2600**CUT-US	61	80		1.04		1997	
750	2750**CUT-US	61	80		1.14		2477	
1000		61	80		1.29		3272	

The above data are approximate and subject to normal manufacturing tolerances. Where required, the compatibility with glands, connectors and accessories should be verified using actual dimensions of the product. Other sizes available upon request.

Note: Sizes 14 awg to 2 awg can be Class B (7 Strands) or Class C (19 Strands).

* rated 600 Volt Only

Color **Identification: Example: 2750BECUT-US = 750 kcmil, Blue.

Ampacities: Refer to beginning of section.

CME Color Coding

..	BK	BE	BN	GN	GY	OE	PE	RD	WE	YW
Color	Black	Blue	Brown	Green	Grey	Orange	Purple	Red	White	Yellow