

# QI® XHHW/XHHW-2 CT Aluminum AA-8000



A Viakable Company

XLPE Insulated VW-1; GRI I; GRII; SR; CT; 600/1000 V

## Features

- UL Listed as Types XHHW/XHHW-2.
- Voltage rating for XHHW-2 conductors is 600 volts and 1000 volts for sizes 6 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.
- Suitable for use in low leakage circuits per NEC requiring a dielectric constant less than 3.5.

## Standards

- UL 44
- Thermoset-Insulated Wire and Cable.
- ICEA S-95-658/ NEMA WC70
- Nonshielded 0 – 2 kV Cables.

## Specifications

- Maximum operating voltage:
  - 600 /1000V

Maximum conductor operation temperatures:

- 90 °C wet and dry

## Engineering Information

- 1. Conductor:** Aluminum AA-8000 alloy compacted conductor, Class B stranding, per ASTM B801.
- Sizes:** 6 AWG–1000 kcmil  
*On request, larger sizes 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	Approximate Outside Diameter	Approximate Net Weight
		mil	in	lb/kft
6	7	45	0.26	43
4	7	45	0.31	62
2	7	45	0.36	92
1	19	55	0.41	116
1/0	19	55	0.45	140
2/0	19	55	0.49	170
3/0	19	55	0.54	208
4/0	19	55	0.59	255
250	37	65	0.66	307
300	37	65	0.71	360
350	37	65	0.75	413
400	37	65	0.80	466
500	37	65	0.87	570
600	61	80	0.98	699
750	61	80	1.08	856
900	61	80	1.17	1000
1000	61	80	1.23	1116

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