

QI® XHHW/XHHW-2, Aluminum AA-8000



A Viakable Company

XLPE Insulated, 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.
- 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 – 2 kV Cables.

Specifications

- Maximum operating voltage:
 - 600/1000 volts
- Maximum conductor operation temperatures:
 - 90 °C wet and dry

Engineering Information

- Conductor:** Aluminum AA-8000 alloy compacted conductor, Class B stranding, per ASTM B801.
Sizes: 6 AWG – 1000 kcmil
On request, larger sizes available.
- Separator:** A suitable opaque tape, as required.
- 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	40
4	7	45	0.31	59
2	7	45	0.36	87
1	19	55	0.41	110
1/0	19	55	0.45	134
2/0	19	55	0.49	165
3/0	19	55	0.54	202
4/0	19	55	0.59	249
250	37	65	0.66	295
300	37	65	0.71	348
350	37	65	0.75	400
400	37	65	0.80	452
500	37	65	0.87	555
600	61	80	0.98	672
750	61	80	1.08	827
900	61	80	1.17	1000
1000	61	80	1.23	1082

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

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