



CWC LowFriction UL Type XHHW-2, Aluminum Conductor, 90°C Dry or Wet, Rated 600 V / 1000 V

APPLICATIONS

CWC LowFriction UL Type XHHW-2 conductors are primarily used in conduit and cable trays for services, feeders, and branch circuits in commercial or industrial applications in accordance with the NEC. The conductor is suitable for use in dry or wet locations at temperatures not to exceed 90°C. The conductor is rated 600 V / 1000 V. Although this product may be installed without the application of pulling lubricant, a good quality pulling lubricant is recommended.

CONSTRUCTION

Conductor: Annealed compact stranded AA-8000 series Aluminum Conductor Material (ACM).

Insulation: Low coefficient of friction, abrasion, moisture, and heat resistant colored crosslinked polyethylene (XLPE).

CONDUCTOR IDENTIFICATION

Colored XLPE

VOLTAGE RATING: 600 V

TEMPERATURE RATING

Dry or Wet	90°C
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MINIMUM BENDING RADIUS

Overall Diameter: Less than or Equal to:	1.000 in
Not Under Tension:	4x outer diameter
Under Tension (During Pull):	6x outer diameter
Overall Diameter:	Greater than 1.000 in
Not Under Tension:	5x outer diameter
Under Tension (During Pull):	7.5x outer diameter

RATINGS AND MARKINGS

Sizes 6 AWG and larger marked FT2

Sizes 6 AWG and larger in all colors sunlight resistant and marked

Sizes 1/0 AWG and larger marked "FOR CT USE"

RoHS Compliant

STANDARDS

These cables are manufactured and tested to meet or exceed the following standards:

- ASTM B800 – 8000 Series Aluminum Alloy Wire for Electrical Purposes—Annealed and Intermediate Tempers
- ASTM B801 – Concentric-Lay-Stranded Conductors of 8000 Series Aluminum Alloy for Subsequent Covering or Insulation
- UL 44 – Thermoset-Insulated Wires and Cables
- ICEA S-95-658 / NEMA WC70 – Power Cables Rated 2000 Volts or Less for the Distribution of Electrical Energy
- Federal Specification AA-59544
- Federal Specification JC-30B

LISTINGS AND CERTIFICATIONS

UL listed as Type XHHW-2 – File E487972

PACKAGING

250 ft reel
500 ft reel
1000 ft reel
Master reel
Coil

Item Number	Conductor Size (AWG or kcmil)	Conductor Diameter (in)	Insulation Thickness (in)	Overall Diameter (in)	Al Weight (lb/1000 ft)	Net Weight (lb/1000 ft)
A8-01XHHW	8	0.134	0.045	0.224	15.5	27.1
A6-01XHHW	6	0.169	0.045	0.259	24.7	38.6
A4-01XHHW	4	0.213	0.045	0.303	39.3	56.1
A3-01XHHW	3	0.238	0.045	0.328	49.5	67.9
A2-01XHHW	2	0.268	0.045	0.358	62.5	82.9
A1-01XHHW	1	0.299	0.055	0.409	78.8	107
A1/0-01XHHW	1/0	0.336	0.055	0.446	99.4	131
A2/0-01XHHW	2/0	0.376	0.055	0.486	125	159
A3/0-01XHHW	3/0	0.423	0.055	0.533	158	196
A4/0-01XHHW	4/0	0.475	0.055	0.585	199	241
A250-01XHHW	250	0.520	0.065	0.650	235	290
A300-01XHHW	300	0.570	0.065	0.700	282	342
A350-01XHHW	350	0.616	0.065	0.746	329	393
A400-01XHHW	400	0.659	0.065	0.789	376	444



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Item Number	Conductor Size (AWG or kcmil)	Conductor Diameter (in)	Insulation Thickness (in)	Overall Diameter (in)	Al Weight (lb / 1000 ft)	Net Weight (lb / 1000 ft)
A500-01XHHW	500	0.736	0.065	0.866	471	546
A600-01XHHW	600	0.813	0.08	0.973	565	668
A700-01XHHW	700	0.877	0.08	1.037	659	770
A750-01XHHW	750	0.908	0.08	1.068	706	820
A900-01XHHW	900	0.999	0.08	1.159	847	972
A1000-01XHHW	1000	1.060	0.08	1.220	941	1073

NOTES

- 1) Dimensions and weights are subject to standard manufacturing tolerances and are subject to change without notice.
- 2) Click to learn about ampacities.