



ALUMINUM CONDUCTOR POWER CABLE

600 Volts Aluminum XHHW-2 UL Listed

1000 Volts Aluminum RW90 CSA Listed

APPLICATION: XHHW-2 Conductors are used for power distribution in wind turbines. XHHW-2 conductors may be used in wet or dry locations at temperatures not to exceed 90°C. Voltage rating for XHHW-2 conductors is 600 Volts. RW90 Conductors are CSA Rated 1 KV.

DESCRIPTION: XHHW-2 aluminum conductors are AA-8000 series aluminum alloy, compact stranded. Insulation is an abrasion, moisture and heat resistant black cross-linked polyethylene.

SPECIFICATIONS: XHHW-2 conductors meet or exceed UL standard 44, CSA RW90, CSA FT-1 (Also available in FT-4 upon request), Federal Specification J-C 30B, and requirements of the National Electrical Code, ASTM standards B 800- B 801, CSA 22.2 No.38, OSHA acceptable.

Conductor		Conductor Diameter	Insulation Thickness	Approx. Outside Diameter	Approx. Cable Weight	Ampacities *
Size AWG/kcmil	Number of Wires	inches	inches	inches	lbs/kft	@90°C
8	7	0.134	0.045	0.227	30	45
6	7	0.169	0.060	0.292	47	60
4	7	0.213	0.060	0.336	73	75
2	7	0.268	0.060	0.391	91	100
1	18	0.299	0.080	0.462	120	115
1/0	18	0.335	0.080	0.499	144	135
2/0	18	0.378	0.080	0.539	173	150
3/0	18	0.423	0.080	0.586	210	175
4/0	18	0.476	0.080	0.638	257	205
250	35	0.520	0.090	0.703	311	230
300	35	0.571	0.090	0.753	374	255
350	35	0.614	0.090	0.799	416	280
400	35	0.657	0.090	0.842	468	305
500	35	0.736	0.090	0.919	571	350
600	58	0.816	0.090	0.999	699	385
700	58	0.877	0.090	1.060	802	420
750	58	0.909	0.090	1.091	853	435
1000	58	1.059	0.090	1.243	1110	500

- Ampacities for not more than three conductors in raceway or cable or earth (directly buried), based on ambient temperature of 30°C per Table 310-16 of the 2005 National Electrical Code (NFPA 70-1990)

Cable Marking: PRIORITY WIRE <AWG/kcmil (mm²)> XHHW-2 (UL) E257578 AL AA-8000 COMPACT STRAND XLPE 600V 90°C SUN RES CSA RW90 XLPE 1KV -40°C FT1<YEAR><SEQ FT>