



CATEGORY
**ELECTRICAL
WIRES**
AMMO ITEM #
XHHW2

Company: _____

Job: _____ #Item: _____

Notes: _____

XHHW2 Aluminum Wire



FEATURES

- AC Test voltage for dielectric voltage with stand in water for 60 seconds (as per UL 44)
- AC Spark test Potential (as per UL 44)
- Min. Insulation Resistance in water at 15°C (as per UL 44)
- No. of cores: 1
- CT Rated **1/0 & above**

STANDARD

- ASTM B800
- ASTM B801
- UL 44 with upto date amendments

VOLTAGE RATING

600 - 1000 V

TEMPERATURE RATING

90° C wet or dry

CONDUCTOR MATERIAL

Stranded Class-B Aluminum Alloy AA 8000 Series
Conductor

METAL

8176 Aluminum Alloy

INSULATION MATERIAL

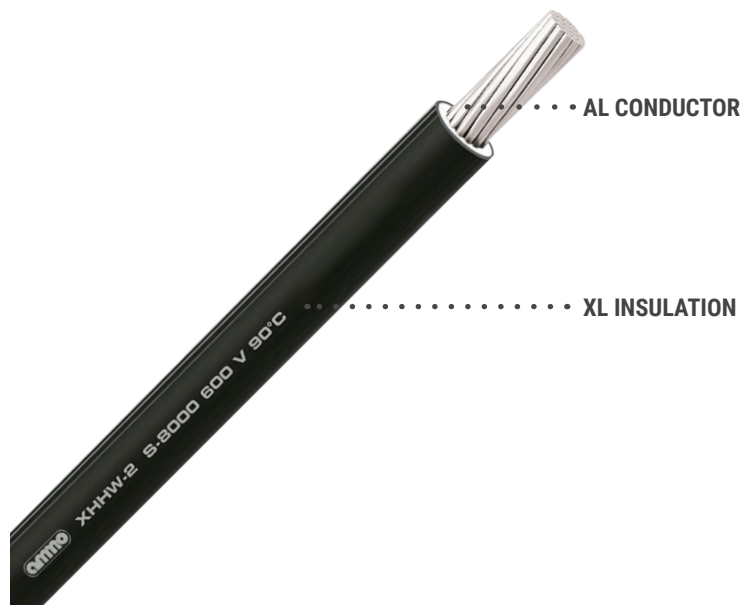
XLPE Compound

COLOR

Black

RECOMMENDED MINIMUM BENDING RADIUS

8 times the overall Diameter



ELECTRICAL WIRES



1000 COMMERCE CENTER DR ELKTON MD 21921
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XHHW2 Aluminum Wire



CONDUCTOR SIZE	MAX. D.C CONDUCTOR RESISTANCE AT 20°C		STRANDS	MIN. AVERAGE THICKNESS		MIN. THICKNESS AT ANY POINT		APPROX. OVERALL DIA.		AC TEST VOLTAGE KV	AC SPARK TEST POTENTIAL KV	MIN. INSULATION RESISTANCE G ohm m
	Ohm / km	Ohm / ft		mils	mm	mils	mm	in	mm			
8 AWG	3.52	1.07	7	45	1.14	40	1.02	0.23	5.84	7.5	12.5	650
6 AWG	2.21	0.674	7	45	1.14	40	1.02	0.259	6.58	7.5	12.5	540
4 AWG	1.39	0.424	7	45	1.14	40	1.02	0.305	7.75	7.5	12.5	450
3 AWG	1.1	0.336	7	45	1.14	40	1.02	0.330	8.38	7.5	12.5	400
2 AWG	0.875	0.267	7	45	1.14	40	1.02	0.358	9.09	7.5	12.5	370
1 AWG	0.693	0.211	19	55	1.14	50	1.27	0.410	10.41	9	15	390
1/0 AWG	0.55	0.168	19	55	1.40	50	1.27	0.446	11.33	9	15	350
2/0 AWG	0.436	0.133	19	55	1.40	50	1.27	0.490	12.45	9	15	320
3/0 AWG	0.346	0.106	19	55	1.40	50	1.27	0.540	13.72	9	15	290
4/0 AWG	0.274	0.0836	19	55	1.40	50	1.27	0.590	14.99	9	15	260
250 MCM	0.232	0.0708	37	65	1.65	58	1.47	0.655	16.64	10	17.5	280
300 MCM	0.194	0.059	37	65	1.65	58	1.47	0.702	17.83	10	17.5	260
350 MCM	0.166	0.0505	37	65	1.65	58	1.47	0.750	19.05	10	17.5	240
400 MCM	0.145	0.0442	37	65	1.65	58	1.47	0.790	20.07	10	17.5	220
500 MCM	0.116	0.0354	37	65	1.65	58	1.47	0.870	22.10	10	17.5	200
600 MCM	0.0967	0.0295	61	80	2.03	72	1.83	0.980	24.89	11	20	220
700 MCM	0.0829	0.0253	61	80	2.03	72	1.83	1.040	26.42	11	20	210
750 MCM	0.0774	0.0236	61	80	2.03	72	1.83	1.070	27.18	11	20	200
900 MCM	0.0645	0.0197	61	80	2.03	72	1.83	1.165	29.59	11	20	190
1000 MCM	0.058	0.0177	61	80	2.03	72	1.83	1.220	30.99	11	20	180

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