

# XHHW-2 High Speed

XLPE, Control and Low-Voltage Power, 600 V  
UL Type XHHW-2, Single Conductor, Aluminum



**Features:**

- Rated at 90°C wet or dry
- UL Listed as XHHW-2 for general power or control wiring in accordance with the National Electrical Code (NEC®), Section 310.15, Tables 310.15(B)16 or 310.15(B)17
- Low friction for easy pulling
- Excellent flame resistance
- Sunlight-resistant
- Excellent electrical, thermal and physical properties
- Meets cold bend and cold impact tests at -40°C

**Product Construction:**

**Conductor:**

- 6 AWG thru 1000 kcmil bare annealed stranded aluminum alloy (8000 Series) per ASTM B800
- Class B stranding per ASTM B801, B836

**Insulation:**

- Flame-retardant Cross-linked Polyethylene (XLPE)
- Full coverage co-extruded colored skin coat

**Print:**

- GENERAL CABLE® (PLANT OF MFG) SIZE (MM<sup>2</sup>) COMPACT STABILOY® AA-8030 AL XLPE 600 V XHHW-2 SUN RES (-40°C) (UL) YEAR DATE TIME NOM ANCE

**Applications:**

- For use in power and control circuits in switchboards, control panels and raceways in applications not exceeding 600 volts
- Acceptable for use in OSHA-regulated installations

**Compliances:**

**Industry Compliances:**

- NEC® Article 310
- UL Listed as Type XHHW-2 600 V, UL File # E39406
- OSHA Acceptable

**Flame Test Compliances:**

- UL 2556 Horizontal Burn

**Other Compliances:**

- RoHS Compliant

**Packaging:**

- Material cut to length and shipped on non-returnable wood reels

CATALOG NUMBER	SIZE		NUMBER OF WIRES	NOMINAL COND. DIAMETER		INSULATION THICKNESS		NOMINAL CABLE O.D.		ALUMINUM WEIGHT		NET WEIGHT		AMPACITY (1)
	AWG or kcmil	mm <sup>2</sup>		INCHES	mm	INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	90°C

**6 AWG - 1000 kcmil CONDUCTORS**

8K06	6	13.3	7	0.169	4.293	0.045	1.143	0.259	6.579	25	36	41	60	55
8K04	4	21.2	7	0.213	5.410	0.045	1.143	0.303	7.696	39	57	59	86	75
8K02	2	33.6	7	0.268	6.807	0.045	1.143	0.358	9.093	62	90	86	125	100
8K01	1	42.4	8	0.298	7.569	0.055	1.397	0.408	10.363	79	115	112	163	115
8K11	1/0	53.5	10	0.337	8.560	0.055	1.397	0.447	11.354	99	144	137	199	135
8K21	2/0	67.4	12	0.374	9.500	0.055	1.397	0.484	12.294	125	182	167	243	150
8K31	3/0	85.0	16	0.421	10.693	0.055	1.397	0.531	13.487	158	230	205	298	175
8K41	4/0	107	19	0.470	11.938	0.055	1.397	0.580	14.732	199	290	251	365	205
8K25	250	127	23	0.514	13.056	0.065	1.651	0.644	16.358	235	342	299	435	230
8K30	300	152	22	0.566	14.376	0.065	1.651	0.696	17.678	282	410	352	512	260
8K35	350	177	26	0.607	15.418	0.065	1.651	0.737	18.720	329	479	405	589	280
8K40	400	203	37	0.659	16.739	0.065	1.651	0.789	20.041	376	547	448	652	305
8K50	500	253	37	0.736	18.694	0.065	1.651	0.866	21.996	471	685	550	800	350
8K60	600	304	61	0.813	20.650	0.080	2.032	0.973	24.714	565	822	671	976	385
8K75	750	380	61	0.908	23.063	0.080	2.032	1.068	27.127	706	1027	824	1199	435
8K100	1000	507	61	1.060	26.924	0.080	2.032	1.230	31.242	941	1369	1079	1570	500

Dimensions and weights are nominal; subject to industry tolerances.

(1) Ampacities per 2014 NEC Table 310.15(B)(16). Adjustments and corrections may apply.

90°C - Wet or dry locations. For ampacity derating purposes.

Dwelling - For dwelling units, conductors shall be permitted as listed ampacities at 120/240-volt, 3-wire, single-phase services and feeders.

**COLOR CODE CHART**

COLOR CODE	COLOR	COLOR CODE	COLOR
1	Black	7	Blue
2	White	8	Orange
3	Red	9	Gray
4	Green	A	Purple
5	Yellow	C	Tan
6	Brown	-	-



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Form No. 5180A-1115

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