

STABILOY® Brand XHHW-2 High Speed (HS)

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



CATALOG NUMBER	COND. SIZE (AWG/kcmil)	NO. OF WIRES	NOMINAL CONDUCTOR DIAMETER		MIN. AVG. INSULATION THICKNESS		NOMINAL CABLE DIAMETER		ALUMINUM CONDUCTOR WEIGHT		NET WEIGHT		AMPACITY (1) 30°C AMBIENT	
			IN	mm	IN	mm	IN	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	@75°C	@90°C
6 AWG - 1000 kcmil CONDUCTORS														
8K06	6	7	0.169	4.29	0.045	1.14	0.259	6.58	25	37	39	58	50	55
8K04	4	7	0.213	5.41	0.045	1.14	0.303	7.70	39	58	56	83	65	75
8K02	2	7	0.268	6.81	0.045	1.14	0.358	9.09	62	92	83	124	90	100
8K01	1	8	0.298	7.57	0.055	1.40	0.408	10.36	79	118	108	161	100	115
8K11	1/0	10	0.337	8.56	0.055	1.40	0.447	11.35	99	147	132	196	120	135
8K21	2/0	12	0.374	9.50	0.055	1.40	0.484	12.29	125	186	162	241	135	150
8K31	3/0	16	0.421	10.69	0.055	1.40	0.531	13.49	158	235	199	296	155	175
8K41	4/0	19	0.470	11.94	0.055	1.40	0.580	14.73	199	296	244	363	180	205
8K25	250	23	0.514	13.06	0.065	1.65	0.644	16.36	235	350	292	435	205	230
8K30	300	22	0.566	14.38	0.065	1.65	0.696	17.68	282	420	345	513	230	260
8K35	350	26	0.607	15.42	0.065	1.65	0.737	18.72	329	490	397	591	250	280
8K40	400	37	0.659	16.74	0.065	1.65	0.789	20.04	376	560	443	659	270	305
8K50	500	37	0.736	18.69	0.065	1.65	0.866	22.00	471	701	544	810	310	350
8K60	600	61	0.813	20.65	0.080	2.03	0.973	24.71	565	841	664	988	340	385
8K75	750	61	0.908	23.06	0.080	2.03	1.068	27.13	706	1051	817	1216	385	435
8K10	1000	61	1.060	26.92	0.080	2.03	1.220	30.99	941	1400	1071	1594	445	500

Dimensions and weights are nominal; subject to industry tolerances.

(1) Ampacities per NEC® Table 310.15(B)(16). Adjustment and corrections may apply.

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		

Product Construction:

Conductor:

- 6 AWG thru 2 AWG Class B compact stranded aluminum alloy (8000 Series) per ASTM B800 and ASTM B801
- 1 AWG thru 350 kcmil compact stranded SIW aluminum alloy (8000 Series) per ASTM B800, ASTM B801 and ASTM B836
- 400 kcmil thru 1000 kcmil Class B compact stranded aluminum alloy (8000 Series) per ASTM B800 and ASTM B801

Insulation:

- Flame-retardant Cross-linked Polyethylene (XLPE)

Print:

- GENERAL CABLE® (PLANT OF MFG) SIZE (AWG OR KCMIL) (MM²) COMPACT STABILOY® AA-8030 AL XLPE 600 V XHHW-2 SUN RES (-40°C) (UL) YEAR DATE (TIME OF MFG) NOM ANCE SEQUENTIAL FOOTAGE

Options:

- Other sizes and stranding options available upon request
- VW-1 Flame Rating
- "FOR CT USE" for 1/0 AWG and larger
- Available in non-High Speed
- Available in black and full color skin coat
- FeederPlex HS® Type XHHW-2

Applications:

- General purpose building wire for use primarily in conduit or other recognized raceways as specified in the National Electric Code® (NEC®)
- Maximum operating temperature not to exceed 90°C in wet or dry locations
- 600 V approved for use as specified by the NEC®

Features:

- Oil Resistant PRI/PRII
- Gas and Oil Res GRI/GRII
- UV/sunlight-resistant, moisture-resistant and flame-retardant insulation in all colors
- Meets cold bend and cold impact tests at -40°C
- Excellent electrical, thermal and physical properties
- Resistant to crush, compression cuts and heat deformation
- STABILOY® Brand AA-8000 aluminum alloy conductors are lightweight and provide increased flexibility for easy installation
- High Speed (HS) cable features a specially designed XLPE insulation that allows for fast and easy cable pulls

Compliances:

Industry Compliances:

- UL 44 Type XHHW-2, UL File #E39406
- National Electrical Code (NEC®)

Flame Test Compliances:

- UL 2556 Horizontal Burn
- CT UL 1685
- UL 2556 VW-1

Other Compliances:

- OSHA Acceptable
- RoHS Compliant

Packaging:

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

