

XHHW-2 VW-1 High Speed (HS)¹

XLPE, Control and Low-Voltage Power

600 V, UL Type SIS/XHHW-2, VW-1 Rated, Single Conductor, Copper

Product Construction:

Conductor:

- 18 AWG thru 1000 kcmil tinned, annealed copper per ASTM B33
- Class B stranding per ASTM B8

Insulation:

- Flame-retardant Cross-linked Polyethylene (XLPE)

Print:

For 18 AWG and 16 AWG:

- GENERAL CABLE® (PLANT OF MFG) 1C SIZE AWG COPPER XLPE SIS TYPE (UL) 600 V 90°C YEAR

For 14 AWG thru 4 AWG:

- GENERAL CABLE® (PLANT OF MFG) 1C SIZE AWG COPPER XLPE TYPE SIS/XHHW-2 VW-1 (UL) 600 V 90°C YEAR

¹ Sizes 8 AWG and larger would include HIGH SPEED

For 2 AWG and larger:

- GENERAL CABLE® (PLANT OF MFG) 1C SIZE AWG (SIZE MM²) HIGH SPEED TYPE XHHW-2 VW-1 (UL) 600 V 90°C SUN RES FOR CT USE MONTH/YEAR SEQUENTIAL FOOTAGE MARK

[†] Sizes smaller than 1/0 AWG do not include "FOR CT USE"

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

Features:

- Rated at 90°C wet or dry
- UL Listed as SIS/XHHW-2[†] and XHHW-2^{**} for general power or control wiring in accordance with the National Electrical Code, Section 310.15, Tables 310.15(B)16 or 310.15(B)17
- Sizes 1/0 and larger listed "SUN RES FOR CT USE"
- Excellent flame resistance
- Excellent physical, thermal and electrical properties
- High Speed (HS) cable features a specially designed XLPE insulation that allows for fast and easy cable pulls - 8 AWG and larger
- Meets cold bend and cold impact tests at -25°C

Compliances:

Industry Compliances:

- UL Type SIS 18 AWG and 16 AWG
- UL Type SIS/XHHW-2[†] - 600 V
- UL File #E90494
- UL Type XHHW-2^{**} - 600 V
- ICEA S-95-658/NEMA WC70
- 1/0 and larger are listed "SUN RES FOR CT USE" in accordance with NEC

Flame Test Compliances:

- UL 44 VW-1

Other Compliances:

- EPA 40 CPR, Part 261 for leachable lead content per TCLP method
- OSHA Acceptable
- RoHS Compliant

Packaging:

- Material to be shipped on spools or non-returnable wood reels

[†] UL Type SIS/XHHW-2 for sizes 14 AWG thru 4 AWG

^{**} UL Type XHHW-2 for sizes 2 AWG thru 1000 kcmil



CATALOG NUMBER	COND. SIZE (AWG/kcmil)	NO. OF WIRES	NOM. COND. DIAMETER		MIN. AVG. INSULATION THICKNESS		NOM. CABLE DIAMETER		COPPER 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
18 AWG - 1000 kcmil CONDUCTORS														
381500*	18	7	0.05	1.27	0.030	0.76	0.11	2.79	5	7	9	13	-	14
381510*	16	7	0.06	1.52	0.030	0.76	0.12	3.05	8	12	13	19	-	18
381520*	14	7	0.07	1.78	0.030	0.76	0.13	3.30	13	19	19	28	20	25
381530*	12	7	0.09	2.29	0.030	0.76	0.15	3.81	20	30	27	40	25	30
381540*	10	7	0.11	2.79	0.030	0.76	0.18	4.57	32	48	41	61	35	40
381550*	8	7	0.14	3.56	0.045	1.14	0.24	6.10	51	76	69	103	50	55
381560*	6	7	0.18	4.57	0.045	1.14	0.28	7.11	81	121	103	153	65	75
381570*	4	7	0.23	5.84	0.045	1.14	0.32	8.13	129	192	156	232	85	95
06591.210200*	2	7	0.29	7.37	0.045	1.14	0.38	9.65	205	305	239	356	115	130
06591.215100*	1/0	19	0.36	9.14	0.055	1.40	0.48	12.19	326	485	373	555	150	170
06591.215200*	2/0	19	0.41	10.41	0.055	1.40	0.52	13.21	411	612	464	691	175	195
06591.215300*	3/0	19	0.46	11.68	0.055	1.40	0.57	14.48	518	771	579	862	200	225
06591.215400*	4/0	19	0.51	12.95	0.055	1.40	0.63	16.00	653	972	722	1074	230	260
06591.216000*	250	37	0.56	14.22	0.065	1.65	0.70	17.78	772	1149	860	1280	255	290
06591.216200*	350	37	0.66	16.76	0.065	1.65	0.80	20.32	1081	1609	1185	1763	310	350
06591.216500*	500	37	0.79	20.07	0.065	1.65	0.93	23.62	1544	2298	1669	2484	380	430
06591.217000*	750	61	0.97	24.64	0.080	2.03	1.14	28.96	2316	3447	2520	3750	475	535
06591.217500*	1000	61	1.13	28.70	0.080	2.03	1.30	33.02	3086	4592	3283	4886	545	615

Dimensions and weights are nominal; subject to industry tolerances.

* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.

(1) Allowable ampacities shown are for general use as specified by the National Electric Code. Adjustment and corrections may apply.