



XHHW-2 CT

XLPE, Low-Voltage Power, 600 V

UL Type XHHW-2, CT Rated, Single Conductor, Copper

Product Construction:

Conductor:

- 14 AWG thru 750 kcmil annealed bare copper per ASTM B3
- Class B stranding per ASTM B8

Insulation:

- Flame-retardant Cross-linked Polyethylene (XLPE)

Print:

- GENERAL CABLE® (PLANT OF MFG) AWG/ KCMIL LOW FRICTION* TYPE XHHW-2 (UL) 600 V SUN RES FOR CT USE** MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

* Sizes 14 AWG - 10 AWG do not include "LOW FRICTION"

** Sizes smaller than 1/0 AWG do not include "SUN RES FOR CT USE"

Options:

- Tinned copper conductor
- Full colored insulation

Applications:

- General purpose building wire for use primarily in conduit or other recognized raceways as specified in the National Electrical Code
- Industrial environments where superior insulation toughness and chemical resistance are required
- Maximum operating temperature not to exceed 90°C in dry or wet locations
- In free air, raceways or cable trays in accordance with NEC



Features:

- Low Friction for easy pulling on 8 AWG and larger
- "FOR CT USE" on 1/0 AWG and larger
- Sunlight-resistant for 1/0 AWG and larger, all colors
- Rated at 90°C wet or dry
- Smaller cable O.D.
- Excellent electrical, thermal and physical properties
- Excellent resistance to moisture
- Excellent resistance to crush, compression cuts and heat deformation

Compliances:

Industry Compliances:

- National Electric Code (NEC)
- UL 44 Standard for Rubber Insulated Wire and Cable
- ICEA S-95-658/NEMA WC70
- UL Listed as Type XHHW-2, UL File # E90494
- OSHA Acceptable

Flame Test Compliances:

- UL 1685, 1/0 AWG and larger

Packaging:

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

XHHW-2

CATALOG NUMBER	COND. SIZE (AWG/kcmil)	COND. STRAND	NOMINAL COND. DIAMETER		MINIMUM AVG. INSULATION THICKNESS		NOMINAL CABLE O.D.		COPPER WEIGHT		NET WEIGHT		AMPACITY (1)		
			INCHES	mm	INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	60°C	75°C	90°C

14 AWG - 750 kcmil CONDUCTORS

391070	14	7/.0240	0.07	1.80	0.030	0.76	0.13	3.38	12	18	17	25	15	15	15
391080	12	7/.0305	0.09	2.26	0.030	0.76	0.15	3.84	20	30	26	39	20	20	20
391090	10	7/.0385	0.11	2.87	0.030	0.76	0.18	4.57	32	48	38	57	30	30	30
5175.008	8	7/.0486	0.14	3.56	0.045	1.14	0.24	6.10	51	76	65	97	40	50	55
5175.006	6	7/.0612	0.18	4.57	0.045	1.14	0.28	7.11	81	121	99	147	55	65	75
5175.004	4	7/.0772	0.23	5.84	0.045	1.14	0.33	8.38	129	192	152	226	70	85	95
5175.002	2	7/.0974	0.29	7.37	0.045	1.14	0.39	9.91	205	305	233	347	95	115	130
5175.001	1	19/.0664	0.32	8.13	0.055	1.40	0.44	11.18	256	381	293	437	110	130	145
5175.110	1/0	19/.0740	0.36	9.14	0.055	1.40	0.48	12.19	326	485	364	572	125	150	170
5175.210	2/0	19/.0837	0.41	10.41	0.055	1.40	0.53	13.46	411	612	453	674	145	175	195
5175.310	3/0	19/.0940	0.46	11.68	0.055	1.40	0.58	14.73	518	772	565	842	165	200	225
5175.410	4/0	19/.1055	0.51	12.95	0.055	1.40	0.63	16.00	653	972	706	1051	195	230	260
5175.250	250	37/.0822	0.56	14.22	0.065	1.65	0.70	17.78	722	1074	837	1246	215	255	290
5175.350	350	37/.0973	0.66	16.76	0.065	1.65	0.80	20.32	1081	1609	1157	1722	260	310	350
5175.500	500	37/.1162	0.79	20.07	0.065	1.65	0.93	23.62	1544	2298	1634	2432	320	380	430
5175.600	600	37/.1109	0.87	22.10	0.080	2.03	1.04	26.42	1853	2758	1972	2935	350	420	475
5175.750	750	61/.1280	0.98	24.89	0.080	2.03	1.15	29.21	2316	3447	2448	3643	400	475	535

Dimensions and weights are nominal; subject to industry tolerances.

(1) Allowable ampacities shown are for general use as specified by the National Electric Code, 2011 Edition, section 310.15(B)(16). Adjustments and corrections may apply:

60°C – When terminated to equipment for circuits rated 100 amperes or less or marked for 14 through 1 AWG conductors.

75°C – When terminated to equipment for circuits rated over 100 amperes or marked for conductors larger than 1 AWG.

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.



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