

XLP 600VOLT BUILDING WIRE TYPE XHHW-2 SINGLE COPPER CONDUCTOR, 90DEG C WET/DRY

CONSTRUCTION:

CONDUCTOR SOLID OR STRANDED ANNEALED BARE COPPER.

INSULATION CROSS-LINKED POLYETHYLENE (XLP).

Charlotte Wire Part#	Size AWG	Number of Strands	XLP Ins. Thickness (in.)	Ampacity 90C*	Approx. O.D. (in.)	Approx. Net Wt. (Lbs/Mft)
CW01151	14	Solid	.030"	25**	.13"	18
CW01152	12	Solid	.030"	30**	.14"	26
CW01153	10	Solid	.030"	40**	.16"	38
CW01154	14	7	.030"	25**	.14"	18
CW01155	12	7	.030"	30**	.16"	27
CW01156	10	7	.030"	40**	.18"	40
CW01157	8	7	.045"	55	.24"	66
CW01158	6	7	.045"	75	.28"	99
CW01159	4	7	.045"	95	.33"	151
CW01160	3	7	.045"	115	.35"	190
CW01161	2	7	.045"	130	.39"	231
CW01162	1	19	.055"	145	.45"	298
CW01163	1/0	19	.055"	170	.49"	368
CW01164	2/0	19	.055"	195	.54"	456
CW01165	3/0	19	.055"	225	.59"	570
CW01166	4/0	19	.055"	260	.65"	710
CW01167	250MCM	37	.065"	290	.72"	840
CW01168	300MCM	37	.065"	320	.77"	1000
CW01169	350MCM	37	.065"	350	.82"	1160
CW01170	400MCM	37	.065"	380	.87"	1320
CW01171	500MCM	37	.065"	430	.95"	1640
CW01172	600MCM	61	.080"	475	1.05"	1985
CW01173	750MCM	61	.080"	535	1.16"	2460
CW01174	1000MCM	61	.080"	615	1.32"	3260

*Ampacity in accordance with NEC for not more than 3 conductors at 90Deg C conductor temperature and 30Deg C ambient temperature in wet or dry locations per Table 310.15(B)(16) (formerly 310.16).

**Overcurrent protection shall not exceed 15amps for 14AWG, 20amps for 12AWG, and 30amps for 10AWG.

APPLICATION:

General purpose building wire up to 600Volts with conductor temperatures of 90Deg C maximum in wet or dry locations. XLP features good chemical resistance and is also suitable for low leakage circuits requiring dielectric constant of 3.5 or less.

OPTIONAL CONSTRUCTIONS:

VW1 rated insulation.
CT Use: sizes 1/0 and larger.
Tinned copper conductors.

STANDARDS:

UL 44: Type XHHW-2.

ICEA S-95-658/NEMA WC70 for Nonshielded 0 - 2KV Cables.