

XLP 600VOLT BUILDING WIRE TYPE RHH/RHW-2/USE-2 , SUNLIGHT RESISTANT SINGLE COPPER CONDUCTOR, 90DEG C WET/DRY

CONSTRUCTION:

CONDUCTOR SOLID OR STRANDED SOFT DRAWN (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)
CW01176	14	Solid	.045"	25**	.16"	20
CW01177	12	Solid	.045"	30**	.17"	30
CW01178	10	Solid	.045"	40**	.19"	44
CW01179	14	7	.045"	25**	.17"	21
CW01180	12	7	.045"	30**	.19"	31
CW01181	10	7	.045"	40**	.21"	46
CW01182	8	7	.060"	55	.27"	72
CW01183	6	7	.060"	75	.31"	106
CW01184	4	7	.060"	95	.36"	160
CW01185	3	7	.060"	115	.38"	200
CW01186	2	7	.060"	130	.42"	243
CW01187	1	19	.080"	145	.50"	312
CW01188	1/0	19	.080"	170	.55"	385
CW01189	2/0	19	.080"	195	.59"	478
CW01190	3/0	19	.080"	225	.63"	592
CW01191	4/0	19	.080"	260	.69"	735
CW01192	250MCM	37	.095"	290	.78"	875
CW01193	300MCM	37	.095"	320	.83"	1030
CW01194	350MCM	37	.095"	350	.87"	1202
CW01195	400MCM	37	.095"	380	.92"	1350
CW01196	500MCM	37	.095"	430	1.00"	1688
CW01197	600MCM	61	.110"	475	1.10"	2015
CW01198	750MCM	61	.110"	535	1.22"	2510
CW01199	1000MCM	61	.110"	615	1.39"	3300

*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. May be directly buried. XLP features moisture and chemical resistance.

STANDARDS:

UL 44: Type RHH 90C Dry.
Type RHW-2 90C Wet.

UL 854: Type USE-2 90Deg C Direct Burial

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

OPTIONAL CONSTRUCTIONS:

FAA-L-824 Type C approved (sizes 14 thru 4/0 AWG).

VW1 rated insulation.

CT Use: sizes 1/0 and larger.

Tinned copper conductors.

CSA RW90 1KV.