

COPPER XHHW-2 LOW SMOKE XLP INSULATION, LOW SMOKE ZERO HALOGEN JACKET SINGLE COPPER CONDUCTOR, 90DEG C WET OR DRY

CONSTRUCTION:

CONDUCTOR CLASS B STRANDED ANNEALED COPPER.

INSULATION CROSSLINKED POLYETHYLENE (XLP).

JACKET FLAME RETARDANT, SUNLIGHT RESISTANT BLACK LOW SMOKE ZERO HALOZEN (LSZH) POLYOLEFIN.

Charlotte Wire Part#	Size AWG	Number of Strands	Insulation Thickness (in.)	Jacket Thickness (in.)	Rating in Amps**	Overall Diameter (in.)	Approx. Net Wt. (Lbs/Mft)
CW11101	14	7	.030"	.030"	25***	.20"	28
CW11102	12	7	.030"	.030"	30***	.22"	39
CW11103	10	7	.030"	.030"	40***	.25"	53
CW11104	8	7	.045"	.030"	55	.31"	80
CW11105	6	7	.045"	.030"	75	.34"	120
CW11106	4	7	.045"	.030"	95	.39"	176
CW11107	3	7	.045"	.030"	115	.41"	212
CW11108	2	7	.045"	.030"	130	.44"	258
CW11109	1	19	.055"	.045"	145	.52"	340
CW11110	1/0	19	.055"	.045"	170	.60"	420
CW11111	2/0	19	.055"	.045"	195	.65"	520
CW11112	3/0	19	.055"	.045"	225	.70"	635
CW11113	4/0	19	.055"	.045"	260	.76"	788
CW11114	250MCM	37	.065"	.065"	290	.88"	950
CW11115	300MCM	37	.065"	.065"	320	.94"	1120
CW11116	350MCM	37	.065"	.065"	350	.98"	1285
CW11117	400MCM	37	.065"	.065"	380	1.03"	1450
CW11118	500MCM	37	.065"	.065"	430	1.10"	1780
CW11119	600MCM	61	.080"	.065"	475	1.22"	2130
CW11120	750MCM	61	.080"	.065"	535	1.32"	2630
CW11121	1000MCM	61	.080"	.065"	615	1.46"	3580

* For Tinned Copper construction, add suffix "T" to Charlotte Wire Part#. (for ex. 1/c 4/0 tinned is CW11113T)

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

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

APPLICATION:

Power and lighting circuits rated 600Volts in power plants and industrial locations where tighter smoke and toxicity emission levels are needed. May be used as sunlight resistant, cable tray use (1/0AWG and larger), and wet or dry locations.

STANDARDS:

UL 44: Type XHHW-2 90Deg C Wet or Dry.
 Passes UL and IEEE383 70,000BTU Flame Test: (1/0 and larger).
 NEC Article 392: CT Use and Sunlight Resistant(1/0 and larger).
 ICEA S-95-658/NEMA WC70 for Nonshielded 0-2KV Cables.