



“Taking Care of Business”

toll free: 800-929-9473

**COPPER TYPE USE, SINGLE PASS LOW SMOKE INSULATION
600VOLTS TYPE RHH/RHW-LS/USE VW1 CT CSA RATED
SINGLE BARE COPPER CONDUCTOR 90C DRY75C WET**

CONSTRUCTION:

CONDUCTOR STRANDED SOFT DRAWN BARE COPPER.

INSULATION LIMITED SMOKE ZERO HALOGEN CROSSLINKED POLYOLEFIN (LSZH XLPO).

Charlotte Wire Part# *	Size AWG	Number of Strands	XLPO Ins. Thickness (in.)	Ampacity 90C**	Approx. O.D. (in.)	Approx. Net Wt. (Lbs/Mft)
CW01794	14	7	.045"	25***	.17"	21
CW01795	12	7	.045"	30***	.19"	31
CW01796	10	7	.045"	40***	.22"	46
CW01797	8	7	.060"	55	.28"	72
CW01798	6	7	.060"	75	.31"	106
CW01799	4	7	.060"	95	.36"	160
CW01800	3	7	.060"	110	.38"	200
CW01801	2	7	.060"	130	.42"	243
CW01802	1	19	.080"	150	.50"	312
CW01803	1/0	19	.080"	170	.55"	385
CW01804	2/0	19	.080"	195	.59"	478
CW01805	3/0	19	.080"	225	.63"	592
CW01806	4/0	19	.080"	260	.69"	735
CW01807	250MCM	37	.095"	290	.78"	875
CW01808	300MCM	37	.095"	320	.83"	1030
CW01809	350MCM	37	.095"	350	.87"	1202
CW01810	400MCM	37	.095"	380	.92"	1350
CW01811	500MCM	37	.095"	430	1.00"	1688
CW01812	600MCM	61	.110"	475	1.10"	2015
CW01813	750MCM	61	.110"	535	1.22"	2590
CW01814	1000MCM	61	.110"	615	1.39"	3300

*For Tinned Copper construction, add suffix "T" to Charlotte Wire Part#. (for ex. 1/c 4/0 tinned CW01806T).

**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:

General purpose building wire up to 600Volts with temperatures up to 90Degrees C in dry locations and 75Degrees C in wet locations. May be directly buried. Ideal for closed areas and populated areas in which tighter smoke and toxicity emission levels are needed.

STANDARDS:

UL 44: Type RHH 90C Dry, Type RHW 75C Wet.

UL 854: Type USE 75C Direct Burial.

UL 758: AWM Styles 3237/3578.

NEC Art.392: CT and Sun Resistant (1/0 and larger).

UL&IEEE 383 70,000BTU Flame Test (1/0 and larger).

CSA FT4 & AWM 1 A/B at 105C.

ICEA S-95-658/NEMA WC70 Nonshld 0 - 2kv Cables.

UL 1685: Fire Propagation and Smoke Release Test.

UL Listed VW1.