

COPPER USE: EPR INSULATION & TS-CPE JACKET TYPE RHH / RHW-2 / USE-2 / VW1 SINGLE COPPER CONDUCTOR, 90DEG C WET OR DRY

CONSTRUCTION:

CONDUCTOR CLASS B STRANDED ANNEALED COATED COPPER.

INSULATION ETHYLENE PROPYLENE RUBBER (EPR).

JACKET FLAME RETARDANT, SUNLIGHT RESISTANT BLACK THERMOSET CHLORINATED POLYETHYLENE (TS-CPE), WHICH PROTECTS AGAINST HEAT, FLAME, CHEMICALS, MOISTURE, AND MECHANICAL DAMAGE.

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)
CW01205	14	7	.030"	.015"	25**	.18"	26
CW01206	12	7	.030"	.015"	30**	.20"	35
CW01207	10	7	.030"	.015"	40**	.22"	50
CW01208	8	7	.045"	.015"	55	.28"	80
CW01209	6	7	.045"	.030"	75	.35"	123
CW01210	4	7	.045"	.030"	95	.39"	180
CW01211	2	7	.045"	.030"	130	.46"	270
CW01212	1	7	.055"	.045"	145	.54"	355
CW01213	1/0	19	.055"	.045"	170	.58"	424
CW01214	2/0	19	.055"	.045"	195	.63"	530
CW01215	3/0	19	.055"	.045"	225	.67"	650
CW01216	4/0	19	.055"	.045"	260	.74"	800
CW01217	250MCM	37	.065"	.065"	290	.85"	965
CW01218	350MCM	37	.065"	.065"	350	.95"	1300
CW01219	500MCM	37	.065"	.065"	430	1.08"	1810
CW01220	750MCM	61	.080"	.065"	535	1.30"	2680
CW01221	1000MCM	61	.080"	.065"	615	1.45"	3520

*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 flame resistance, stability in heat, physical durability, and excellent reliability is needed. May be used as sunlight resistant (1/0awg and larger), cable tray use (1/0awg and larger), directly buried, And wet or dry locations.

STANDARDS:

ASTM B-3: Annealed copper wire.

ASTM B-8: Concentric Lay Stranded Copper.

ASTM B-33: Coated Annealed Copper Wire.

UL 44: Type RHH: 90Deg C Dry.

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

UL854: Type USE-2: 90Deg C Direct Burial.

Passes UL VW1 Flame Test: All sizes.

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.