



**ALUMINUM MC CABLE SIZES 6 - 250MCM  
ALUMINUM CONDUCTORS , 600VOLTS , 90DEGREES C  
ALUMINUM INTERLOCKED ARMOR OVERALL**

**CONSTRUCTION:**

**CONDUCTOR** COMPACT STRANDED 8000 SERIES ALUMINUM.

**INSULATION** CROSSLINKED POLYETHYLENE (XLP) TYPE XHHW-2 OR PVC/NYLON TYPE THHN/THWN-2. RATED 90DEGREES C WET OR DRY.

**CONDUCTOR IDENTIFICATION** STANDARD 120/208Y COLOR CODE SEQUENCE IS 1) BLACK, 2) WHITE, 3) RED, AND 4) BLUE. CONDUCTOR CODING MAY BE SOLID COLORS OR BLACK WITH APPROPRIATE COLORED STRIPES. MAY ALSO BE BLACK AND NUMBERED (METHOD 4).

**ASSEMBLY** CONDUCTORS CABLED TOGETHER WITH STRANDED ALUMINUM GROUND WIRE IN ONE OF THE INTERSTICES AND CABLE TAPE.

**ARMOR** ALUMINUM INTERLOCKED ARMOR APPLIED OVER CABLE ASSEMBLY.

Charlotte Wire Part#	Size AWG	Number of Conductors	Ground Wire Size (AWG)	Diameter Over Armor (in.)	Approx. Net Wt. (Lbs/Mft)	3/c Ampacity 75Deg C * (amps)	3/c Ampacity 90Deg C * (amps)
CW01575	6	3	1 - #6	.84"	238	50	55
CW01576	6	4	1 - #6	.93"	285	50	55
CW01577	4	3	1 - #6	.92"	293	65	75
CW01578	4	4	1 - #6	1.05"	368	65	75
CW01579	2	3	1 - #6	1.02"	400	90	100
CW01580	2	4	1 - #6	1.15"	505	90	100
CW01581	1	3	1 - #4	1.12"	495	100	115
CW01582	1	4	1 - #4	1.25"	624	100	115
CW01583	1/0	3	1 - #4	1.22"	580	120	135
CW01584	1/0	4	1 - #4	1.35"	720	120	135
CW01585	2/0	3	1 - #4	1.28"	680	135	150
CW01586	2/0	4	1 - #4	1.44"	865	135	150
CW01587	3/0	3	1 - #4	1.37"	815	155	175
CW01588	3/0	4	1 - #4	1.60"	1100	155	175
CW01589	4/0	3	1 - #2	1.58"	1070	180	205
CW01590	4/0	4	1 - #2	1.73"	1350	180	205
CW01591	250MCM	3	1 - #2	1.70"	1248	205	230
CW01592	250MCM	4	1 - #1	1.90"	1390	205	230

\*Ampacities based on 2014 NEC Table 310.15(B)(16) with no more than three current-carrying conductors and 30Deg C ambient temperature. The 4/c ampacities are to be reduced by 20% (Ampacity x 0.80) when all 4 conductors are current carrying (per NEC Table 310.15(B)(3)(a)).

**APPLICATION:** Suitable for branch, service, and feeder circuits in commercial, industrial, and utility applications. May be used in environmental air spaces per NEC 300.22, in assembly occupancies per NEC 518.4, in theaters per NEC 520.5, in approved raceways and cable trays

**STANDARDS:**

UL Standard 1569 for Type MC cables.  
UL Standard 44 for Type XHHW-2 conductors.  
UL Standard 83 for THHN/THWN-2 conductors.  
NEC Article 330 for Type MC cables.  
ICEA S-95-658/NEMA WC70: Nonshld 0-2kv cables.