



**ALUMINUM MC CABLE SIZES 300MCM - 900MCM
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.

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)
CW01593	300MCM	3	1 - #2	1.78"	1420	230	260
CW01594	300MCM	4	1 - #1	2.00"	1745	230	260
CW01595	350MCM	3	1 - #2	1.95"	1570	250	280
CW01596	350MCM	4	1 - 1/0	2.12"	2020	250	280
CW01597	400MCM	3	1 - #1	1.96"	1690	270	305
CW01598	400MCM	4	1 - 1/0	2.20"	2190	270	305
CW01599	500MCM	3	1 - #1	2.18"	2100	310	350
CW01600	500MCM	4	1 - 2/0	2.42"	2795	310	350
CW01601	600MCM	3	1 - #1	2.28"	2490	340	385
CW01602	600MCM	4	1 - 2/0	2.67"	3260	340	385
CW01603	700MCM	3	1 - 1/0	2.53"	2780	375	425
CW01604	700MCM	4	1 - 2/0	2.87"	3830	375	425
CW01605	750MCM	3	1 - 1/0	2.58"	2990	385	435
CW01606	750MCM	4	1 - 3/0	2.98"	4020	385	435
CW01607	900MCM	3	1 - 250MCM	2.79"	3600	425	480
CW01608	900MCM	4	1 - 250MCM	3.14"	4610	425	480

*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)).

STANDARDS:

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

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 per NEC 392, under raised floors for IT equipment per NEC 645, and in hazardous locations per NEC 501 Class I Div II, NEC 502 Class II Div II, and NEC 503 Class III Div 1.