



# PRIORITY

WIRE & CABLE, INC.

5/8x8 UL



## Aluminum Conductor MC Cable

Type MC-Aluminum Conductors 8000 Series Aluminum Alloy AA-8000 Conductors • 600 Volt • Cross-Linked-Polyethylene (XLP) • Insulated singles rated XHHW -2 • Insulated Green Grounding Conductor • Lightweight Aluminum Interlocked Armor • Sizes 6 AWG through 750 kcmil

**APPLICATIONS:** Suitable for use as follows: Branch, feeder and service power distribution under high ambient temperature in commercial, industrial, institutional, casinos, and multi-residential buildings • Power, lighting, control, and signal circuits • Concealed or exposed installations • Environmental air-handling spaces per NEC 300.22 • Places of Assembly per NEC 518.4 and theaters per NEC 520.5 • As aerial cable on messenger • Installation in cable tray and approved raceways • Under raised floors for information technology equipment conductors and cables per NEC 645.5(D) and 645.5(D)(2) • Class 1 Div. 2., Class 11 Div. 2, and Class 111 Div. 1 Hazardous Locations

**STANDARDS & REFERENCES:** Priority's MC Cable meets or exceeds the requirements of UL Standard 44, UL Standard 1569 for Type MC, ICEA S-95-658 (NEMA WC70) for 0-2000 V Nonshielded Cables, Federal Specifications A-A59544 (formerly J-C-30B), IEEE 1202 (70,000 BTU/hr) Vertical Cable Tray Flame Test, and the National Electrical Code.

**CONSTRUCTION:** Priority's Aluminum Conductor MC Cable is constructed with Type XHHW-2 conductors with an insulated green grounding conductor. Conductors are Aluminum AA-8000 series aluminum alloy compact stranded. A binder tape is wrapped over the conductors with interlocked aluminum tape applied over the assembly. Aluminum interlocking armor is applied over the assembly.

**FEATURES:** Reduces installation costs up to 50% over pipe and wire • Aluminum armor – as much as 45% lighter than steel MC Cable.

- **Bare Aluminum Ground Conductor Available Upon Request**
- **Stocked on Master and 1000' Reels • Same Day Shipping • 5000 lbs. FFA**

### Warehouse Locations

**Atlanta • Baton Rouge • Birmingham • Charlotte • Chicago  
Columbus • Dallas • Denver • Houston • Las Vegas • Little Rock  
Los Angeles • Odessa • Philadelphia • Tampa • Toronto**

U.S. Toll Free: 1-800-945-5542 | Canada Toll Free: 1-877-611-5122

# METAL CLAD CABLE ALUMINUM CONDUCTOR

PART NUMBER	CONDUCTOR SIZE (AWG/kcmil)	DIAMETER (Inches)	WEIGHT (LBS/MFT)	AMPACITY
		W/O JKT.	W/O JKT.	75 DEGREE
<b>THREE CONDUCTOR WITH GROUND</b>				
6-03GALUM-MC	6-6-6-6	0.83	237	50
4-03GALUM-R-MC	4-4-4-6	0.93	330	65
2-03GALUM-R-MC	2-2-2-6	1.03	451	90
1-03GALUM-R-MC	1-1-1-4	1.16	563	100
1/0-03GALUM-R-MC	1/0-1/0-1/0-4	1.23	645	120
2/0-03GALUM-R-MC	2/0-2/0-2/0-4	1.28	745	135
3/0-03GALUM-R-MC	3/0-3/0-3/0-4	1.36	868	155
4/0-03GALUM-R-MC	4/0-4/0-4/0-2	1.51	1056	180
250-03GALUM-R-MC	250-250-250-2	1.63	1227	205
300-03GALUM-R-MC	300-300-300-2	1.72	1401	230
350-03GALUM-R-MC	350-350-350-2	1.80	1576	250
400-03GALUM-R-MC	400-400-400-1	1.91	1692	270
500-03GALUM-R-MC	500-500-500-1	2.04	2105	310
600-03GALUM-R-MC	600-600-600-1	2.24	2535	340
700-03GALUM-R-MC	700-700-700-1/0	2.39	2765	375
750-03GALUM-R-MC	750-750-750-1/0	2.44	3136	385
<b>FOUR CONDUCTOR WITH GROUND</b>				
6-04GALUM-MC	6-6-6-6-6	0.92	286	50
4-04GALUM-R-MC	4-4-4-4-6	1.04	373	65
2-04GALUM-R-MC	2-2-2-2-6	1.17	575	90
1-04GALUM-R-MC	1-1-1-1-4	1.31	720	100
1/0-04GALUM-R-MC	1/0-1/0-1/0-1/0-4	1.40	831	120
2/0-04GALUM-R-MC	2/0-2/0-2/0-2/0-4	1.47	965	135
3/0-04GALUM-R-MC	3/0-3/0-3/0-3/0-4	1.58	1131	155
4/0-04GALUM-R-MC	4/0-4/0-4/0-4/0-2	1.73	1371	180
250-04GALUM-R-MC	250-250-250-250-1	1.89	1645	205
300-04GALUM-R-MC	300-300-300-300-1	2.01	1878	230
350-04GALUM-R-MC	350-350-350-350-1/0	2.13	2132	250
400-04GALUM-R-MC	400-400-400-400-1/0	2.23	2207	270
500-04GALUM-R-MC-2/0	500-500-500-500-2/0	2.43	2833	310
500-04GALUM-R-MC	500-500-500-500-250	2.51	2798	310
600-04GALUM-R-MC-2/0	600-600-600-600-2/0	2.68	3435	340
600-04GALUM-R-MC-400	600-600-600-600-400	2.84	3435	340
700-04GALUM-R-MC	700-700-700-700-2/0	2.83	3630	375
750-04GALUM-R-MC	750-750-750-750-3/0	2.93	4117	385
750-04GALUM-MC	750-750-750-750-750	3.20	4469	385

## PVC JACKETED AVAILABLE UPON REQUEST

Note: Ampacities are based on Table 310.16 of the NEC, 2005 Edition.

‡Allowable ampacities shown are for general use as specified by the National Electrical Code, 2005 Edition, Section 310.15.

If the equipment is marked for use at higher temperatures, the conductor ampacity shall be limited to the following per NEC 110.14(C).

75°C – When terminated to equipment for circuits rated over 100 amperes or marked for conductors larger than size 1 AWG.

90°C – For ampacity derating purposes.

Per NEC 310.15(B)(2)(a), the ampacity of 4/C cables shall be reduced by a factor of 0.80 when the neutral is considered a current-carrying conductor.

†Available with oversized grounding conductor when used for parallel feeds on special orders.

COLOR CODING Standard Products

NUMBER OF CONDUCTORS	COLOR SEQUENCE <sup>120/20BY</sup>
3	Black, Red, White
4	Black, Red, Blue, White

\*Grounding Conductor is an Insulated Green Ground



**1-800-945-5542**  
**www.prioritywire.com**

Feb 2015 - PN: M-LIT-ALUM. COND. MC.