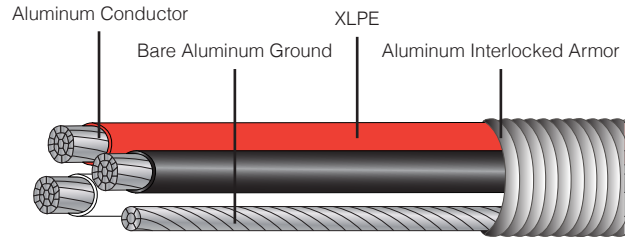


SPECIFICATION

# Aluminum MC Feeder Cable

## TYPE MC

**Unjacketed, 600V UL Type MC, 90°C Dry  
XLPE XHHW-2 Insulation  
Aluminum Armor, Aluminum Conductors**



Part Number	Size AWG/kcmil	Number of Conductors	Insulation Thickness		Ground Wire Size	Nominal Dia. over Armor		Net Cable Weight (lb/mft)	Ampacity		
			mils	mm		inches	mm		60°C	75°C	90°C
2-04MCGAL	2	4	45	1.14	6	0.852	28.20	499	75	90	100
1/0-03MCGAL	1/0	3	55	1.40	4	1.198	30.43	586	100	120	135
1/0-04MCGAL	1/0	4	55	1.40	4	1.327	33.71	767	100	120	135
2/0-03MCGAL	2/0	3	55	1.40	4	1.285	32.63	687	115	135	150
2/0-04MCGAL	2/0	4	55	1.40	4	1.416	35.98	903	115	135	150
3/0-03MCGAL	3/0	3	55	1.40	4	1.388	35.24	814	130	155	175
4/0-03MCGAL	4/0	3	55	1.40	2	1.499	38.07	992	150	180	205
4/0-04MCGAL	4/0	4	55	1.40	2	1.663	42.24	1313	150	180	205
250-03MCGAL	250	3	65	1.65	2	1.781	45.23	1172	170	205	230
250-04MCGAL	250	4	65	1.65	1	1.833	46.56	1518	170	205	230
350-03MCGAL	350	3	65	1.65	2	1.859	47.21	1521	210	250	280
500-03MCGAL	500	3	65	1.65	1	2.248	57.11	2249	260	310	350

60°C – When terminated to equipment for circuits rated 100 amperes or less or marked for conductor sizes 6 through 1 AWG.

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.

\* Ampacities shown are for general use as specified by the National Electrical Code, 2011 Edition, Article 310.15(B)(16).

- All drawings, designs, specifications, plans and particulars of weights, sizes and dimensions contained in the technical or commercial documentation of HWC is indicative only and shall not be binding on HWC or be treated as constituting a representation on the part of HWC.

### APPLICATION:

For use in power, lighting, control and signal circuits and as branch circuits and power feeders in industrial, commercial, institutional and residential installations up to 600 volts. Approved for use in dry locations, fished through finished concrete, embedded in plaster, aerial when fixed to a messenger support cable, concealed or exposed, cable trays, under raised floors, and other raceways. May be used in Class I and II, Division 2 as well as Class II, Division 1 and 2 hazardous locations.

### CONSTRUCTION:

**Conductors:** Compact stranded AA-8000 series aluminum alloy per ASTM B801 or ASTM B836 and ASTM B800.

**Insulation:** Cross linked polyethylene (XLPE) type XHHW-2 per UL 44.

**Grounding Conductor:** Bare compact stranded AA-8000 series aluminum.

**Assembly:** Insulated conductors are cabled with a bare ground wire, interstices are filled with suitable non-hygroscopic fillers, as required. A binder tape of synthetic material assembles the core in an essentially round configuration.

**Armor:** Aluminum interlocking tape armor applied over the assembled core.

**Jacket:** None.

### CONDUCTOR IDENTIFICATION:

Sizes #6 AWG to 500 kcmil  
3/C – Black, Red or Red-Stripe, White or White-Stripe  
4/C – Black, Red or Red-Stripe, Blue or Blue-Stripe, White or White-Stripe

### PRODUCT FEATURES:

Cables are UL listed as Type XHHW-2  
Temperature rating of 90°C dry  
Lead free

### ADDITIONAL STANDARDS:

UL 44: Thermoset-Insulated Wires and Cables  
UL 1569: Type MC, Metal Clad Cables  
Type MC per NEC Article 330  
Environmental air-handling spaces per NEC 300.22 (C)  
Places of Assembly per NEC 518.4 and theaters per NEC 520.5  
Cable pass UL 1685 and IEEE 383 vertical tray fire tests at 70,000 BTU/hr, ICEA T-29-520 fire test at 210,000 BTU/hr, IEEE 1202 and CSA FT4