

Product Data Sheet

Type MC Aluminum



Product Description

Type MC
Aluminum conductor
XLP insulation
Aluminum interlocked armor
90°C wet/dry, 600 V

Applications

Feeder and service power distribution in commercial, industrial, institutional and multi-residential buildings.
Power, lighting, control and signal circuits. Can be used in air-handling spaces in accordance with 300.22 of the 2008 NEC.

Specifications

- CONDUCTOR: AA-8176 Aluminum Alloy
- INSULATION: Cross-Linked Polyethylene (XLP) meeting the physical and electrical requirements of UL 44 for Type XHHW-2 wire
- EQUIPMENT GROUNDING CONDUCTOR: A combined interlocked armor and full-sized bare aluminum equipment grounding/bonding conductor is included in the cable assembly
- ARMOR: Lightweight aluminum interlocked
- STANDARDS: Conductors listed Type XHHW-2 per UL 44 requirements and conform to ICEA S-66-524 (NEMA WC7). Cable listed Type MC per UL 1569 requirements and conforms to Federal Specification A-A59544
- AMPACITY: Based on Table 310.16 of the 2008 NEC
- TEMPERATURE: 90°C wet/dry
- VOLTAGE: 600 V

Product Data Sheet

Type MC Aluminum Feeder

Part No.	Conductor Size AWG	No. of Conductors	Ground Wire Size AWG	Nom. O.D. (in.)	Approx. Wt. lb./1,000 ft.	Amps per Conductor 75 °C
6MCA-0603	6	3	6	0.784	240	50
6MCA-0604	6	4	6	0.851	289	50
6MCA-0403	4	3	6	0.879	298	65
6MCA-0404	4	4	6	0.957	368	65
6MCA-0203	2	3	4	0.998	411	90
6MCA-0204	2	4	4	1.089	508	90
6MCA-0103	1	3	4	1.108	496	100
6MCA-0104	1	4	4	1.213	619	100
6MCA-1013	1/0	3	4	1.188	578	120
6MCA-1014	1/0	4	4	1.302	727	120
6MCA-2023	2/0	3	4	1.274	678	135
6MCA-2024	2/0	4	4	1.398	858	135
6MCA-3033	3/0	3	4	1.376	803	155
6MCA-3034	3/0	4	4	1.532	1,092	155
6MCA-4043	4/0	3	2	1.508	1,049	180
6MCA-4044	4/0	4	2	1.657	1,323	180
6MCA-2503	250	3	2	1.648	1,223	205
6MCA-2504	250	4	1	1.814	1,566	205
6MCA-3503	350	3	1	1.856	1,592	250
6MCA-3504	350	4	1/0	2.046	2,050	250
6MCA-5003	500	3	1	2.115	2,106	310
6MCA-5004	500	4	3/0	2.336	2,752	310
6MCA-7503	750	3	1/0	2.551	3,043	385
6MCA-7504	750	4	3/0	2.823	3,990	385