

ALUMINUM TYPE MC

Construction

Conductor:

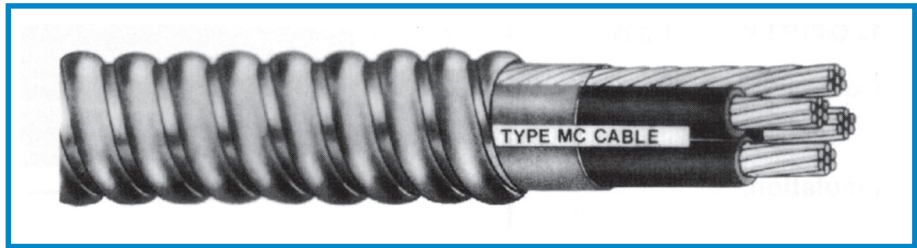
- Three or four insulated aluminum conductors (phase identified) plus a bare equipment grounding conductor inside an aluminum alloy armor.
- All conductors are (AA 8000 series electrical grade alloy) with Type XHHW insulation (UL Standard 44).
- Aluminum MC Cable is designed mainly for above ground application.

Application:

- Aluminum MC Cable is listed with UL (Standard # 1479) for "through-penetration" of fire rated floors or walls.
- Aluminum MC Cable meets the requirements of UL 1569, Metal Clad Cables. Rated at 600 Volts, the cable is approved for use in accordance with Article 334 and other applicable portions of the NEC.

Features:

- Aluminum MC cable gives you the advantage in total installed cost savings. It is quicker and easier to install than conventional pipe and wire. The lightweight aluminum armor means MC cable weighs less than MC cable with a steel armor and is also easier to strip back. This strong yet flexible aluminum armor over the XHHW conductors allows for ease of installation in one step. You can save money in time and labor, since conduit cutting and assembly and the pulling of conductors through conduit is no longer necessary.
- The conductors provided within the armor are aluminum alloy (AA 8000 series) with Type XHHW insulation. Aluminum MC meets the requirements of Section 310-14 of the 1990 NEC. Type XHHW is rated at 90°C for dry locations and 75°C wet.



CUSTOM CATALOG NUMBER	SIZE	GROUNDING CDR SIZE	NOMINAL DIAMETER (INCHES)		CURRENT (AMPS)		NOMINAL WEIGHT
	AWG/MCM	AWG/MCM	W/O JKT	W/JKT	75°C	90°C	LBS/MFT
THREE CONDUCTORS WITH GROUNDING CONDUCTOR							
13300	6	6	0.790	0.890	53	61	327
13301	4	6	0.880	0.980	70	81	400
13302	2	4	1.010	1.110	92	108	526
13303	1	4	1.090	1.190	108	126	620
13304	1/0	4	1.160	1.260	125	145	705
13305	2/0	4	1.230	1.330	144	168	812
13306	3/0	4	1.320	1.420	166	194	943
13307	4/0	2	1.450	1.550	192	224	1136
13308	250	2	1.610	1.730	214	250	1406
13309	300	2	1.700	1.820	240	280	1591
13310	350	1	1.810	1.930	265	309	1796
13311	400	1	1.880	2.000	287	334	1974
13312	500	1	2.020	2.140	330	385	2326
13313	600	1/0	2.240	2.360	368	429	2775
13314	700	1/0	2.350	2.500	405	473	3184
13315	750	1/0	2.410	2.560	424	495	3355
FOUR CONDUCTORS WITH GROUNDING CONDUCTOR							
13325	6	6	0.880	0.980	42	49	386
13326	4	6	0.980	1.080	56	65	479
13327	2	4	1.120	1.220	74	86	639
13328	1	4	1.230	1.330	86	101	759
13329	1/0	4	1.310	1.410	100	116	872
13330	2/0	4	1.390	1.490	115	134	1012
13331	3/0	4	1.540	1.660	133	155	1275
13332	4/0	2	1.690	1.810	154	179	1526
13333	250	2	1.830	1.950	171	200	1764
13334	300	2	1.940	2.060	192	224	2008
13335	350	1	2.050	2.170	212	247	2268
13336	400	1	2.140	2.260	230	267	2502
13337	500	1	2.310	2.460	264	308	3032
13338	600	1/0	2.560	2.710	294	343	3620

* Based on Table 310-31, 1987 NEC (Type XHHW conductors). See termination provisions for conductor sizing as given in UL Electrical Construction Material Directory, "Equipment for Use in Ordinary Locations." Derating for number of conductors may not be necessary in all applications, allowing a higher ampacity than shown above for 4 conductor assemblies. See Note 10 to Notes to Tables 310-16 through 310-31, 1987 NEC.

NOTE: Galvanized steel armor is available on special order.



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