



## Aluminum Conductor – Aluminum MC Cable 600V Bare Ground



**Standard:**

- UL 44, 83, 1569 for Type MC Cable for CT Use
- NEMA WC-70/ICEA S-95-658
- IEEE 1202 70,000 BTU/HR Vertical Tray Flame Test
- ASTM B800 & B801
- NEC 518.4, NEC 520.5, NEC 645.5, and NEC 300.22 for environmental air-handling spaces

**Insulation:**

Color coded cross-linked polyethylene XHHW-2 AA-8000 XLP insulation. A binder tape is wrapped over the insulated conductors' assembly

**Ground Wire:**

Bare

**Application:**

MC Cable is suitable for use as follows: Branch, feeder and service power distribution in commercial, industrial, and multi-residential buildings, power, lighting, control and signal circuits. Suitable for use in cable trays, approved raceways, concealed or exposed installations, environmental air-handling spaces, risers, as well as hazardous locations as permitted in articles 501,502,503 and 504.

**Conductors:**

Compact strand 8000 series aluminum alloy conductors

**Armor:**

Overall aluminum interlocked armor

**Color Code :**

240 V System

Cond. Num.	Color
3	Black,White, Red
4	Black,White, Red,Blue

480 V System

Cond. Num.	Color
3	Brown,Orange,Yellow
4	Brown,Orange,Yellow,Grey

Cable Code	Conductor Size	Number of Conductor	Ground Size	Insulation Thickness		Diameter over Armor		Net Weight lbs/kft	Ampacity at 75°C amps	Ampacity at 90°C amps
	AWG/kcmil		AWG/kcmil	inches	mm	inches	mm			
6/3 MC Cable w/ Ground, Alum Conductors	6	3	6	0.045	1.14	0.91	23.11	265	50	55
6/4 MC Cable w/ Ground, Alum Conductors	6	4	6	0.045	1.14	0.98	24.89	328	50	55
4/3 MC Cable w/ Ground, Alum Conductors	4	3	6	0.045	1.14	1.01	25.65	335	65	75
4/4 MC Cable w/ Ground, Alum Conductors	4	4	6	0.045	1.14	1.09	27.69	408	65	75
2/3 MC Cable w/ Ground, Alum Conductors	2	3	6	0.045	1.14	1.13	28.70	438	90	100
2/4 MC Cable w/ Ground, Alum Conductors	2	4	6	0.045	1.14	1.23	31.24	540	90	100
1/3 MC Cable w/ Ground, Alum Conductors	1	3	4	0.055	1.40	1.25	31.75	548	100	115
1/4 MC Cable w/ Ground, Alum Conductors	1	4	4	0.055	1.40	1.36	34.54	677	100	115
1-0/3 MC Cable w/ Ground, Alum Conductors	1/0	3	4	0.055	1.40	1.33	33.78	633	120	135
1-0/4 MC Cable w/ Ground, Alum Conductors	1/0	4	4	0.055	1.40	1.45	36.83	787	120	135
2-0/3 MC Cable w/ Ground, Alum Conductors	2/0	3	4	0.055	1.40	1.42	36.07	735	135	150
2-0/4 MC Cable w/ Ground, Alum Conductors	2/0	4	4	0.055	1.40	1.55	39.37	920	135	150
3-0/3 MC Cable w/ Ground, Alum Conductors	3/0	3	4	0.055	1.40	1.52	38.61	862	155	175
3-0/4 MC Cable w/ Ground, Alum Conductors	3/0	4	4	0.055	1.40	1.67	42.42	1,084	155	175
4-0/3 MC Cable w/ Ground, Alum Conductors	4/0	3	2	0.055	1.40	1.64	41.66	1,038	180	205
4-0/4 MC Cable w/ Ground, Alum Conductors	4/0	4	2	0.055	1.40	1.82	46.23	1,35	180	205
250/3 MC Cable w/ Ground, Alum Conductors	250	3	2	0.065	1.65	1.79	45.47	1,198	205	230
250/4 MC Cable w/ Ground, Alum Conductors	250	4	1	0.065	1.65	1.98	50.29	1,600	205	230
300/3 MC Cable w/ Ground, Alum Conductors	300	3	2	0.065	1.65	1.92	48.77	1,415	230	260
300/4 MC Cable w/ Ground, Alum Conductors	300	4	1	0.065	1.65	2.11	53.59	1,805	230	260
350/3 MC Cable w/ Ground, Alum Conductors	350	3	2	0.065	1.65	2.02	51.31	1,586	250	280
350/4 MC Cable w/ Ground, Alum Conductors	350	4	1/0	0.065	1.65	2.02	51.31	1,706	250	280
350/4 MC Cable w/ Ground, Alum Conductors	350	4	1/0	0.065	1.65	2.22	56.39	2,047	250	280
400/3 MC Cable w/ Ground, Alum Conductors	400	3	1	0.065	1.65	2.12	53.85	1,770	270	305
400/3 MC Cable w/2-0 Ground, Alum Conductors	400	3	2/0	0.065	1.65	2.12	53.85	1,910	270	305
400/4 MC Cable w/ Ground, Alum Conductors	400	4	1/0	0.065	1.65	2.33	59.18	2,552	270	305
400/4 MC Cable w/ 3-0Ground, Alum Conductors	400	4	3/0	0.065	1.65	2.33	59.18	2,446	270	305
400/4 MC Cable w/350 Ground, Alum Conductors	400	4	350	0.065	1.65	2.48	62.99	2,800	270	305
500/3 MC Cable w/ Ground, Alum Conductors	500	3	1	0.065	1.65	2.29	58.17	2,099	310	350
500/3 MC Cable w/2-0 Ground, Alum Conductors	500	3	2/0	0.065	1.65	2.26	57.40	2,296	310	350
500/3 MC Cable w/ 250 Ground, Alum Conductor	500	3	250	0.065	1.65	2.29	58.17	2,366	310	350
500/4 MC Cable w/ Ground, Alum Conductors	500	4	2/0	0.065	1.65	2.53	64.26	2,723	310	350
500/4 MC Cable w/ 4-0 Ground, Alum Conductors	500	4	4/0	0.065	1.65	2.53	64.26	2,940	310	350
500/4 MC Cable w/ 250 Ground, Alum Conductor	500	4	250	0.065	1.65	2.53	64.26	2,975	310	350
600/3 MC Cable w/ Ground, Alum Conductors	600	3	1	0.080	2.03	2.53	64.26	2,511	340	385
600/3 MC Cable w/ 400 Ground, Alum Conductor	600	3	400	0.080	2.03	2.53	64.26	2,931	340	385
600/4 MC Cable w/ Ground, Alum Conductors	600	4	2/0	0.080	2.03	2.8	71.12	3,292	340	385
600/4 MC Cable w/ 400 Ground, Alum Conductor	600	4	400	0.080	2.03	2.8	71.12	3,507	340	385
750/3 MC Cable w/ Ground, Alum Conductors	750	3	1/0	0.080	2.03	2.75	69.85	3,015	385	435
750/3 MC Cable w/3-0 Ground, Alum Conductors	750	3	3/0	0.080	2.03	2.75	69.85	3,217	385	435
750/3 MC Cable w/750 Ground, Alum Conductors	750	3	750	0.080	2.03	2.86	72.64	3,792	385	435
750/4 MC Cable w/ Ground, Alum Conductors	750	4	3/0	0.080	2.03	3.04	77.22	3,928	385	435
750/4 MC Cable w/350 Ground, Alum Conductors	750	4	350	0.080	2.03	3.04	77.22	4,048	385	435
750/4 MC Cable w/400 Ground, Alum Conductors	750	4	400	0.080	2.03	3.04	77.22	4,110	385	435
750/4 MC Cable w/600 Ground, Alum Conductors	750	4	600	0.080	2.03	3.13	79.50	4,318	385	435
750/4 MC Cable w/750 Ground, Alum Conductors	750	4	750	0.080	2.03	3.18	80.77	4,480	385	435
900/3 MC Cable w/Ground, Alum Conductors	900	3	500	0.080	2.03	2.95	74.93	3,849	385	435

All values are nominal and subject to correction.  
 \*\*Ampacities are based on NEC Table 310.15(B)(16), and show the allowable Ampacities of three current carrying insulated conductors, in a raceway, cable, or earth based on ambient temperature of 30°C (86°F).