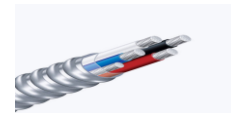




## Aluminum Conductor – Aluminum MC Cable 600V Bare Ground / Jacketed



**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

**Application:**

KLC Cable's aluminum conductor 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.

KLC Cable's aluminum conductor MC Cable with Jacket is suitable for use outdoors, in wet locations, direct burial, encased in concrete, exterior/interior temporary power, as aerial cable on a messenger and hazardous locations.

**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

**Conductors:**

Compact strand 8000 series aluminum alloy conductors

**Armor:**

Overall aluminum interlocked armor

**Jacket:**

Overall black polyvinyl chloride (PVC) jacket, which is heat, moisture and sunlight resistant

**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		Jacket Thickness		Diameter over Armor		Net Weight lbs/ft	Ampacity at 75°C amps	Ampacity at 90°C amps
	AWG/kcmil		AWG/kcmil	inches	mm	inches	mm	inches	mm			
6/3 MC Cable w/ Ground, Alum Conductors	6	3	6	0,045	1,14	0,050	1,27	0,91	23,11	356	50	55
6/4 MC Cable w/ Ground, Alum Conductors	6	4	6	0,045	1,14	0,050	1,27	0,98	24,89	418	50	55
4/3 MC Cable w/ Ground, Alum Conductors	4	3	6	0,045	1,14	0,050	1,27	1,01	25,65	436	65	75
4/4 MC Cable w/ Ground, Alum Conductors	4	4	6	0,045	1,14	0,050	1,27	1,09	27,69	517	65	75
2/3 MC Cable w/ Ground, Alum Conductors	2	3	6	0,045	1,14	0,050	1,27	1,13	28,70	550	90	100
2/4 MC Cable w/ Ground, Alum Conductors	2	4	6	0,045	1,14	0,050	1,27	1,23	31,24	662	90	100
1/3 MC Cable w/ Ground, Alum Conductors	1	3	4	0,055	1,40	0,050	1,27	1,25	31,75	671	100	115
1/4 MC Cable w/ Ground, Alum Conductors	1	4	4	0,055	1,40	0,050	1,27	1,36	34,54	811	100	115
1-0/3 MC Cable w/ Ground, Alum Conductors	1/0	3	4	0,055	1,40	0,050	1,27	1,33	33,78	764	120	135
1-0/4 MC Cable w/ Ground, Alum Conductors	1/0	4	4	0,055	1,40	0,050	1,27	1,45	36,83	930	120	135
2-0/3 MC Cable w/ Ground, Alum Conductors	2/0	3	4	0,055	1,40	0,050	1,27	1,42	36,07	875	135	150
2-0/4 MC Cable w/ Ground, Alum Conductors	2/0	4	4	0,055	1,40	0,060	1,52	1,55	39,37	1,104	135	150
3-0/3 MC Cable w/ Ground, Alum Conductors	3/0	3	4	0,055	1,40	0,050	1,27	1,52	38,61	1,042	155	175
3-0/4 MC Cable w/ Ground, Alum Conductors	3/0	4	4	0,055	1,40	0,060	1,52	1,67	42,42	1,282	155	175
4-0/3 MC Cable w/ Ground, Alum Conductors	4/0	3	2	0,055	1,40	0,060	1,52	1,64	41,66	1,233	180	205
4-0/4 MC Cable w/ Ground, Alum Conductors	4/0	4	2	0,055	1,40	0,060	1,52	1,82	46,23	1,568	180	205
250/3 MC Cable w/ Ground, Alum Conductors	250	3	2	0,065	1,65	0,060	1,52	1,79	45,47	1,41	205	230
250/4 MC Cable w/ Ground, Alum Conductors	250	4	1	0,065	1,65	0,060	1,52	1,98	50,29	1,836	205	230
300/3 MC Cable w/ Ground, Alum Conductors	300	3	2	0,065	1,65	0,060	1,52	1,92	48,77	1,644	230	260
300/4 MC Cable w/ Ground, Alum Conductors	300	4	1	0,065	1,65	0,060	1,52	2,11	53,59	2,065	230	260
350/3 MC Cable w/ Ground, Alum Conductors	350	3	2	0,065	1,65	0,060	1,52	2,02	51,31	1,826	250	280
350/4 MC Cable w/ Ground, Alum Conductors	350	4	1/0	0,065	1,65	0,060	1,52	2,02	51,31	1,96	250	280
350/4 MC Cable w/ Ground, Alum Conductors	350	4	1/0	0,065	1,65	0,060	1,52	2,22	56,39	2,391	250	280
400/3 MC Cable w/ Ground, Alum Conductors	400	3	1	0,065	1,65	0,060	1,52	2,12	53,85	2,022	270	305
400/3 MC Cable w/ Ground, Alum Conductors	400	3	2/0	0,065	1,65	0,060	1,52	2,12	53,85	2,175	270	305
400/4 MC Cable w/ Ground, Alum Conductors	400	4	1/0	0,065	1,65	0,075	1,91	2,33	59,18	2,926	270	305
400/4 MC Cable w/ Ground, Alum Conductors	400	4	3/0	0,065	1,65	0,075	1,91	2,33	59,18	2,812	270	305
400/4 MC Cable w/ Ground, Alum Conductors	400	4	350	0,065	1,65	0,075	1,91	2,48	62,99	3,197	270	305
500/3 MC Cable w/ Ground, Alum Conductors	500	3	1	0,065	1,65	0,075	1,91	2,29	58,17	2,441	310	350
500/3 MC Cable w/ Ground, Alum Conductors	500	3	2/0	0,065	1,65	0,075	1,91	2,26	57,40	2,646	310	350
500/3 MC Cable w/ Ground, Alum Conductors	500	3	250	0,065	1,65	0,075	1,91	2,29	58,17	2,726	310	350
500/4 MC Cable w/ Ground, Alum Conductors	500	4	2/0	0,065	1,65	0,075	1,91	2,53	64,26	3,11	310	350
500/4 MC Cable w/ Ground, Alum Conductors	500	4	4/0	0,065	1,65	0,075	1,91	2,53	64,26	3,336	310	350
500/4 MC Cable w/ Ground, Alum Conductors	500	4	250	0,065	1,65	0,075	1,91	2,53	64,26	3,384	310	350
600/3 MC Cable w/ Ground, Alum Conductors	600	3	1	0,080	2,03	0,075	1,91	2,53	64,26	2,888	340	385
600/3 MC Cable w/ Ground, Alum Conductors	600	3	400	0,080	2,03	0,075	1,91	2,53	64,26	3,328	340	385
600/4 MC Cable w/ Ground, Alum Conductors	600	4	2/0	0,080	2,03	0,075	1,91	2,8	71,12	3,707	340	385
600/4 MC Cable w/ Ground, Alum Conductors	600	4	400	0,080	2,03	0,085	2,16	2,8	71,12	3,987	340	385
750/3 MC Cable w/ Ground, Alum Conductors	750	3	1/0	0,080	2,03	0,075	1,91	2,75	69,85	3,423	385	435
750/3 MC Cable w/ Ground, Alum Conductors	750	3	3/0	0,080	2,03	0,075	1,91	2,75	69,85	3,646	385	435
750/3 MC Cable w/ Ground, Alum Conductors	750	3	750	0,080	2,03	0,075	1,91	2,86	72,64	4,238	385	435
750/4 MC Cable w/ Ground, Alum Conductors	750	4	3/0	0,080	2,03	0,085	2,16	3,04	77,22	4,441	385	435
750/4 MC Cable w/ Ground, Alum Conductors	750	4	350	0,080	2,03	0,085	2,16	3,04	77,22	4,562	385	435
750/4 MC Cable w/ Ground, Alum Conductors	750	4	400	0,080	2,03	0,085	2,16	3,04	77,22	4,624	385	435
750/4 MC Cable w/ Ground, Alum Conductors	750	4	600	0,080	2,03	0,085	2,16	3,13	79,50	4,835	385	435
750/4 MC Cable w/ Ground, Alum Conductors	750	4	750	0,080	2,03	0,085	2,16	3,18	80,77	5,016	385	435
900/3 MC Cable w/ Ground, Alum Conductors	900	3	500	0,080	2,03	0,075	1,91	2,95	74,93	4,287	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).