

MC Cable with Bare Ground 600V



Description: Commodity Cable's aluminum conductor MC Cable is suitable for use in branch, feeder, and service power distribution across commercial, industrial, and multi-residential buildings. It is also suitable for power, lighting, control, and signal circuits. The cable can be installed in cable trays, approved raceways, and can be used in both concealed and exposed installations.

- **Phase Conductor** :-Compact stranded AA- 8000 series aluminum alloy conductors
 - **Insulation**:-Color coded cross-linked polyethylene XHHW-2 , XLPE insulation.
 - **Ground Conductor**:-Bare Compacted stranded AA- 8000 series aluminum alloy conductors
 - **Assembly**:-Insulated Conductors are cabled with bare ground conductor. A binder tape is wrapped over the insulated conductors' assembly.
 - **Armour**:-Overall aluminium interlocked armour.
- **Conductor Identification**:Phase conductors are identified by a colored stripe on the insulation.
3C:-Black, Black with Red Stripe, & Black with White Stripe.
4C:-Black, Black with Red Stripe, Black with White Stripe & Black with Blue Stripe.

OR

Following Color code can also be supplied against customer requirements considering as per Industrial standard Brown, Orange ,Yellow, Grey

Cable Identification:-Marking to be provided on identification Tape under Assembly.

Standards & Specifications :

- UL 44, UL 1569
- NEC Article 330 for Type MC
- ASTM B800 & B801

Packing:

- Wooden reel generally as per NEMA WC-26

Remark:

- No Marking to be provided on XLPE Insulated cores



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Size	Phase Conductor Size	No. of Phase Conductor	Ground Conductor Size	Insulation Thickness	Approx. Diameter Over Armor	Approx. Ne t Weight	Ampacity**	
	AWG/kcmil		AWG/kcmil	inches	inches	lbs/kft	at 75°C	at 90°C
6-6-6-6 ALUM-MC	6	3	6	0.045	0.91	266	50	55
6-6-6-6-6 ALUM-MC	6	4	6	0.045	0.98	330	50	55
4-4-4-6 ALUM- MC	4	3	6	0.045	1.01	336	65	75
4-4-4-4-6 ALUM-MC	4	4	6	0.045	1.08	410	65	75
2-2-2-6 ALUM-MC	2	3	6	0.045	1.1	438	90	100
2-2-2-2-6 ALUM-MC	2	4	6	0.045	1.23	540	90	100
2-2-2-4 ALUM-MC	2	3	6	0.045	1.11	457	90	100
2-2-2-2-4 ALUM-MC	2	4	6	0.045	1.22	562	90	100
1-1-1-4 ALUM -MC	1	3	4	0.055	1.22	547	100	115
1-1-1-1-4 ALUM- MC	1	4	4	0.055	1.38	680	100	115
1/0-1/0-1/0-4 ALUM-MC	1/0	3	4	0.055	1.32	638	120	135
1/0-1/0-1/0-1/0 4 ALUM-MC	1/0	4	4	0.055	1.45	788	120	135
2/0-2/0-2/0-4 ALUM-MC	2/0	3	4	0.055	1.42	738	135	150
2/0-2/0-2/0-2/0-4 ALUM-MC	2/0	4	4	0.055	1.55	915	135	150
3/0-3/0-3/0-4 ALUM-MC	3/0	3	4	0.055	1.52	868	155	175
3/0-3/0-3/0-3/0 -4 ALUM-MC	3/0	4	4	0.055	1.66	1078	155	175
4/0-4/0-4/0-2 ALUM-MC	4/0	3	2	0.055	1.64	1038	180	205
4/0-4/0-4/0-4/0 -2 ALUM-MC	4/0	4	2	0.055	1.83	1355	180	205

1. Data are approximate and subject to normal manufacturing tolerances.
2. Standard lengths are subject to normal manufacturing tolerance of +/- 10%.
3. Ampacities shown are for general use as specified by National Electric code table 310.15(B)(16).



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	AWG/kcmil		AWG/kcmil	inches	inches	lbs/kft	at 75°C	at 90°C
250-250-250-2 ALUM-MC	250	3	2	0.065	1.78	1200	205	230
250-250-250-250-1 ALUM-MC	250	4	1	0.065	1.99	1600	205	230
300-300-300-2 ALUM--MC	300	3	2	0.065	1.85	1410	230	260
300-300-300-1 ALUM-MC	300	3	1	0.065	1.87	1425	230	260
300-300-300-300-1 ALUM-MC	300	4	1	0.065	2.1	1815	230	260
350-350-350-2 ALUM-MC	350	3	2	0.065	1.98	1555	250	280
350-350-350-1/0 ALUM-MC	350	3	1/0	0.065	1.98	1620	250	280
350-350-350-350-1/0 ALUM-MC	350	4	1/0	0.065	2.25	2100	250	280
400-400-400-1 ALUM-MC	400	3	1	0.065	2.08	1750	270	305
400-400-400-400-1/0 ALUM-MC	400	4	1/0	0.065	2.35	2350	270	305
400-400-400-400-3/0 ALUM-MC	400	4	3/0	0.065	2.40	2400	270	305
500-500-500-2/0 ALUM-MC	500	3	2/0	0.065	2.30	2195	310	350
500-500-500-500-2/0 ALUM-MC	500	4	2/0	0.065	2.55	2780	310	350
500-500-500-3/0 ALUM-MC	500	3	3/0	0.065	2.33	2225	310	350
500-500-500-500-3/0 ALUM-MC	500	4	3/0	0.065	2.60	2810	310	350
500-500-500-500-250 ALUM-MC	500	4	250	0.065	2.65	2910	310	350
600-600-600-1 ALUM-MC	600	3	1	0.080	2.45	2525	340	385
600-600-600-2/0 ALUM-MC	600	3	2/0	0.080	2.49	2590	340	385
600-600-600-600-2/0 ALUM-MC	600	4	2/0	0.080	2.78	3300	340	385
600-600-600-600- MCM-400 MCM -MC	600	4	400	0.080	2.88	3490	340	385
750-750-750-3/0 ALUM-MC	750	3	3/0	0.080	2.70	3125	385	435
750-750-750-750-3/0 ALUM-MC	750	4	3/0	0.080	3.05	4001	385	435
750-750-750-750- 750 ALUM-MC	750	4	750	0.080	3.20	4500	385	435

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