


TYPE MC CABLE

APPLICATION: Type MC Cable can be used to replace wire and conduit in applications such as cable tray, power lighting, service feeders and branch circuits as permitted by the National Electrical Code. KINGWIRE'S aluminum MC cable is suitable for use in concealed or exposed installations including environmental air spaces per NEC 300.22. In addition, KINGWIRE'S aluminum MC is suitable for use in vertical applications if installed per the NEC requirements of section 300-19 (a) and section 330.30.

PRODUCT FEATURES: Type MC cable is constructed with 3 or 4 8000 series compact stranded aluminum XHHW-2 conductors cabled with a bare or insulated 8000 series aluminum grounding conductor. A binder identification baring tape is wrapped over the cabled assembly. Aluminum armor is interlocked over the conductor assembly. All insulated conductors are phase identified.

STANDARDS:  UL standard 44, UL standard 1569, Federal Specification JC-30B, ICEA S-66-524 and requirements of the National Electrical Code. Compliant to RoHS, Directive 2002/95/EC, ICEA S-95-658, NEMA WC 70

KINGWIRE MC Cable				
Cond. Size AWG or MCM	Sub Assembly (O.D.)	Overall Diameter (in)	Weight per 1000 ft. (lbs)	Ampacity (amps) 75° C
Three Conductor with Ground				
6-6-6-6	0.57	0.78	237	50
4-4-4-6	0.66	0.88	298	65
2-2-2-6	0.78	1	411	90
1-1-1-4	0.89	1.11	496	100
1/0-1/0-1/0-4	0.97	1.19	578	120
2/0-2/0-2/0-4	1.06	1.27	678	135
3/0-3/0-3/0-4	1.16	1.38	833	155
4/0-4/0-4/0-2	1.27	1.59	1089	180
250-250-250-2	1.42	1.73	1275	205
300-300-300-2	1.51	1.79	1361	230
350-350-350-2	1.62	1.94	1653	250
400-400-400-1	1.72	2.04	1830	270
500-500-500-1	1.88	2.2	2177	310
600-600-600-1	2.1	2.4	2608	340
750-750-750-1/0	2.3	2.5	3118	385

Four Conductor with Ground				
6-6-6-6-6	0.70	0.92	278	50
4-4-4-4-6	0.77	1.04	360	65
2-2-2-2-6	0.89	1.10	482	72
1-1-1-1-4	0.99	1.21	619	80
1/0-1/0-1/0-1/0-4	1.08	1.3	727	92
2/0-2/0-2/0-2/0-4	1.18	1.4	858	108
3/0-3/0-3/0-3/0-4	1.3	1.61	1138	124
4/0-4/0-4/0-4/0-2	1.42	1.74	1374	144
250-250-250-250-1	1.58	1.9	1634	184
300-300-300-300-1	1.70	1.99	1722	230
350-350-350-350-1/0	1.82	2.13	1969	250
400-400-400-400-1/0	1.91	2.20	2189	300
500-500-500-500-2/0	2.11	2.35	2653	310
600-600-600-600/2/0	2.35	2.67	3177	340
750-750-750-750-3/0	2.60	2.86	3858	385

Notes:

1. Ampacities shown are for general use as specified by the National Electrical Code, Section 310.15 Under normal conditions four conductor ampacities are not derated as shown above. If NEC Section 310.15 (b) (4) (a) does not consider the neutral as current carrying conductor, use ampacities listed for the three conductor cable.
2. Standard lengths are subject to normal manufacturing tolerance of +/- 10%
3. Other conductor sizes available upon request. Other ground sizes are available upon request.