




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	Ampacity (amps) 90° C
Three Conductor with Ground					
6-6-6-6	0.57	0.78	237	50	55
4-4-4-6	0.66	0.88	298	65	75
2-2-2-6	0.78	1	411	90	100
1-1-1-4	0.89	1.11	496	100	115
1/0-1/0-1/0-4	0.97	1.19	578	120	135
2/0-2/0-2/0-4	1.06	1.27	678	135	150
3/0-3/0-3/0-4	1.16	1.38	833	155	175
4/0-4/0-4/0-2	1.27	1.59	1089	180	205
250-250-250-2	1.42	1.73	1275	205	230
300-300-300-2	1.51	1.79	1361	230	255
350-350-350-2	1.62	1.94	1653	250	280
400-400-400-1	1.72	2.04	1830	270	305
500-500-500-1	1.88	2.2	2177	310	350
600-600-600-1	2.1	2.4	2608	340	385
750-750-750-1/0	2.3	2.5	3118	385	435

Cond. Size AWG or MCM	Sub Assembly (O.D.)	Overall Diameter (in)	Weight per 1000 ft. (lbs)	Ampacity (amps) 75° C	Ampacity (amps) 90° C
Four Conductor with Ground					
6-6-6-6-6	0.70	0.92	278	50	55
4-4-4-4-6	0.77	1.04	360	65	75
2-2-2-2-6	0.89	1.10	482	72	100
1-1-1-1-4	0.99	1.21	619	80	115
1/0-1/0-1/0-1/0-4	1.08	1.3	727	92	135
2/0-2/0-2/0-2/0-4	1.18	1.4	858	108	150
3/0-3/0-3/0-3/0-4	1.3	1.61	1138	124	175
4/0-4/0-4/0-4/0-2	1.42	1.74	1374	144	205
250-250-250-250-1	1.58	1.9	1634	184	230
300-300-300-300-1	1.70	1.99	1722	230	255
350-350-350-350-1/0	1.82	2.13	1969	250	280
400-400-400-400-1/0	1.91	2.20	2189	300	305
500-500-500-500-2/0	2.11	2.35	2653	310	350
600-600-600-600/2/0	2.35	2.67	3177	340	385
750-750-750-750-3/0	2.60	2.86	3858	385	435

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.