

MC Cable - Jacketed Copper THHN/THWN Conductors/Aluminum Armor



APPLICATION:

Jacketed MC Cable is suitable for use in branch, feeder and distribution circuits in commercial, industrial, institutional and multi-residential applications. The cable is approved for power, lighting, control and signal circuits. Suitable for use in cable tray and other approved raceways and can be exposed or concealed. The cable can be used in places of assembly of 100 people or more, such as studios and theaters. Voltage ratings should not exceed 600V in any applications.

NOTE: Priority Wire & Cable's MC Cable with copper conductor is suitable for use in vertical applications if installed per the requirements of the NEC as detailed in section 300.19, table 300.19(A) and section 330.30.

CONDUCTORS:

- Solid or stranded soft drawn bare copper insulated with moisture and flame resistant PVC/nylon insulation rated THHN/THWN, 90°C dry and 75°C wet

GROUND:

- Insulated with green PVC/nylon rated THHN/THWN

COLOR CODE:

- 120V/208V

No. of Conductors	Color with Green Ground
2	White - Black
3	White - Black - Red
4	White - Black - Red - Blue

277V/480V - Contact PWC sales for available options

ASSEMBLY:

- Insulated conductors and ground conductor cabled together with a Mylar tape

ARMOR:

- Aluminum interlocked tape armor applied over the cable assembly

JACKET:

- Sunlight, oil, flame and abrasion resistant polyvinyl chloride (PVC) jacket

STANDARDS:

- ASTM B3, B8, B258
- UL standards 83, 1569
- UL listed for sunlight resistant, for cable tray use, and for direct burial in earth or concrete
- IEEE 1202 vertical tray flame test (70,000 BTU/hr.)
- NEC Articles 230.43, 300.22, 330, 518.4, 520.5, 530, 545.4 & 645
- Class I Div. 2, Class II Div. 2 and Class III Div. 1 Div. 2 for hazardous locations
- Federal Specification A-A-59544



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Part Number*	Conductor Size	No. of Conductors	Ground Size	Diameter Over Armor		Diameter Over Jacket		Net Weight lbs/kft
	AWG/KCM		AWG	inches	mm	inches	mm	
12-02MCA/JKT	12	2	12	0.511	12.98	0.616	15.65	179
12-03MCA/JKT	12	3	12	0.546	13.87	0.651	16.54	212
12-04MCA/JKT	12	4	12	0.584	14.83	0.689	17.50	257
10-02MCA/JKT	10	2	10	0.586	14.88	0.691	17.55	239
10-03MCA/JKT	10	3	10	0.630	16.00	0.735	18.67	290
10-04MCA/JKT	10	4	10	0.679	17.25	0.784	19.91	356
8-03MCA/JKT	8	3	10	0.752	19.10	0.857	21.77	390
6-03MCA/JKT	6	3	8	0.864	21.95	0.969	24.61	547
4-03MCA/JKT	4	3	8	0.991	25.17	1.096	27.84	754

All values are nominal and subject to correction

*Available on standard lengths and cut to length

