

MC Cable - Isolated Ground

Copper THHN/THWN Conductors/Aluminum Armor



APPLICATION:

MC Cable with Isolated Ground constructions are designed for applications where additional or redundant grounding conductors are required. MC Cable is suitable for use in branch, feeder and distribution circuits in commercial, industrial, institutional and multi-residential applications. MC Cable is approved for power, lighting, control and signal circuits. MC Cable can be used in cable tray and other approved raceways and can be exposed or concealed. MC 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 application.

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.

ASSEMBLY:

- Stranded or solid soft PVC drawn bare copper conductors with polyvinyl chloride (PVC)/nylon THHN/THWN insulation, a green insulated ground and an isolated insulated ground with yellow stripes on green insulation, are cabled together with a Mylar tape

ARMOR:

- An overall aluminum interlocked tape armor applied over the cable's assembly. MC Cable temperature rating is 90°C dry

STANDARDS:

- UL Standards 83, 1569, 1581 & 2556
- IEEE 1202 vertical tray flame test, 70,000 BTU/hr.
- ASTM B3, B8, B258
- NEC Articles 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-A59544

COLOR CODE:

- Additional constructions available by special orders

No. of Conductors	Color with Green and Green/Yellow Grounds
2	White - Black
3	White - Black - Red
4	White - Black - Red - Blue

Part Number	Conductor Size	No. of Conductors	Ground Size	Approx. Diameter		Standard Packaging		Net Weight
	AWG		AWG	inches	mm	Coils	Reels	lbs/kft
						ft	ft	
12-02MCA/IG	12	2	2 x 12	0.500	12.70	250	1000	135
12-03MCA/IG	12	3	2 x 12	0.545	13.84	250	1000	200
12-04MCA/IG	12	4	2 x 12	0.595	15.11	250	1000	235
10-02MCA/IG	10	2	2 x 10	0.605	15.37	-	1000	215
10-03MCA/IG	10	3	2 x 10	0.660	16.76	-	1000	260
10-04MCA/IG	10	4	2 x 10	0.710	18.03	-	1000	310

All values are nominal and subject to correction



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