

Stranded Copper THHN/THWN or XLPE Conductors

Aluminum Armor MC Cable



APPLICATION:

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 copper conductor MC Cable 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 soft drawn bare copper conductors insulated with polyvinyl chloride (PVC)/nylon rated THHN/THWN or XLPE, and an insulated green ground conductor are cabled together with a Mylar tape

ARMOR:

- Overall aluminum interlocked armor applied over the assembly. The 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, 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:

120V/208V System

Cond #	Color
2	White - Black
3	White - Black - Red
4	White - Black - Red - Blue
Ground	Green

277V/480V System

Contact PWC sales for available options

Part Number*	Conductor Size	No. of Conductors	Ground Size	Approx. Diameter		Standard Packaging		Net Weight
				AWG	AWG	inches	mm	
	AWG		AWG	inches	mm	ft	ft	lbs/kft
12-02MCA/STR	12	2	12	0.511	12.98	250	1000	122
12-03MCA/STR	12	3	12	0.546	13.87	250	1000	152
12-04MCA/STR	12	4	12	0.584	14.83	250	1000	192
10-02MCA/STR	10	2	10	0.586	14.88	250	1000	174
10-03MCA/STR	10	3	10	0.630	16.00	250	1000	220
10-04MCA/STR	10	4	10	0.679	17.25	250	1000	282
8-02MCA/STR	8	2	10	0.688	17.48	-	500	235
8-03MCA/STR	8	3	10	0.752	19.10	-	500	309
8-04MCA/STR	8	4	10	0.819	20.80	-	500	412

All values are nominal and subject to correction.

*For 250' Coils add /250CL, for 1000' Reels add /1000RL to the part number. 8AWG+ can be cut to length.



1-800-945-5542
www.PriorityWire.com



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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			
6-02MCA/STR	6	2	8	0.792	20.12	-	500	345
6-03MCA/STR	6	3	8	0.864	21.95	-	500	454
6-04MCA/STR	6	4	8	0.940	23.88	-	500	600
4-02MCA/STR	4	2	8	0.894	22.71	-	500	477
4-03MCA/STR	4	3	8	0.991	25.17	-	500	648
4-04MCA/STR	4	4	8	1.092	27.74	-	500	874
3-03MCA/STR	3	3	6	1.066	27.08	-	500	804
3-04MCA/STR	3	4	6	1.174	29.82	-	500	1082
2-02MCA/STR	2	2	6	1.008	25.60	-	500	694
2-03MCA/STR	2	3	6	1.124	28.55	-	500	950
2-04MCA/STR	2	4	6	1.243	31.57	-	500	1291
1-03MCA/STR	1	3	6	1.206	30.63	-	500	1712
1-04MCA/STR	1	4	6	1.324	33.63	-	500	2177

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