

MC Cable-Neutral per Leg & Super Neutral Copper THHN/THWN Conductors / Aluminum Armor



APPLICATION:

Super Neutral or Neutral Per Leg constructions are designed for applications where excess neutral capacity are required due to non-linear switching loads causing additive harmonic currents to be present on the neutral conductor. 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, and the MC cables temperature rating is 90°C dry/75°C wet.

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 drawn bare copper, with polyvinyl chloride (PVC) / nylon over coated type THHN/THWN insulation, with a green insulated ground conductor. The conductors are cabled together with a Mylar tape. Contact PWC Sales for available color codes.

ARMOR:

- Overall aluminum interlocked tape armor is applied over the assembly

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:

No. of Cond.	No. of Grounds	Colors
4	1	BK, RD, WH/BK, WH/RD, GN
4	2	BK, RD, WH/BK, WH/RD, GN, GN/YL
6	1	BK, RD, BE, WH/BK, WH/RD, WH/BE, GN
6	2	BK, RD, BE, WH/BK, WH/RD, WH/BE, GN, GN/YL
8	1	BK, RD, BE, PK, WH/BK, WH/RD, WH/BE, WH/PK, GN
8	2	BK, RD, BE, PK, WH/BK, WH/RD, WH/BE, WH/PK, GN, GN/YL



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Part Number	Conductors Size		Ground Size	Approx. Diameter		Net Weight
	Circuit	Neutral		inches	mm	
	No. x AWG	No. x AWG	No. x AWG			lbs/kft
MC Cable with Neutral per Leg						
12-02MCA/NPL	2 x 12	2 x 12	2 x 12	0.565	14.35	188
12-02MCA/NPL/1G	2 x 12	2 x 12	1 x 12	0.525	13.34	156
12-02MCA/STR/NPL	2 x 12	2 x 12	1 x 12	0.530	13.46	233
12-03MCA/NPL	3 x 12	3 x 12	2 x 12	0.630	16.00	260
12-03MCA/NPL/1G	3 x 12	3 x 12	1 x 12	0.575	14.61	205
12-04MCA/NPL	4 x 12	4 x 12	2 x 12	0.740	18.80	320
12-04MCA/NPL/1G	4 x 12	4 x 12	1 x 12	0.690	17.53	259
10-02MCA/NPL	2 x 10	2 x 10	2 x 10	0.730	18.54	310
10-02MCA/NPL/1G	2 x 10	2 x 10	1 x 10	0.690	17.53	236
10-03MCA/NPL	3 x 10	3 x 10	2 x 10	0.750	19.05	428
10-03MCA/NPL/1G	3 x 10	3 x 10	1 x 10	0.670	17.02	316
10-04MCA/NPL	4 x 10	4 x 10	2 x 10	0.850	21.59	480
10-04MCA/NPL/1G	4 x 10	4 x 10	1 x 10	0.761	19.33	400
MC Cable with Super Neutral						
12-01MCA/SN	1 x 12	1 x 10	1 x 12	0.500	12.70	120
12-02MCA/STR/SN	2 x 12	1 x 10	1 x 12	0.515	13.08	149
12-03MCA/STR/SN	3 x 12	1 x 10	1 x 12	0.550	13.97	185
12-03MCA/STR/SNR	3 x 12	1 x 8	1 x 12	0.610	15.49	220
12-04MCA/SN	4 x 12	2 x 10	2 x 12	0.655	16.64	300
10-02MCA/STR/SN	2 x 10	1 x 8	1 x 10	0.630	16.00	260
10-03MCA/STR/SN	3 x 10	1 x 8	1 x 10	0.680	17.27	320

All values are nominal and subject to correction

