

Armorlite® Type MC Multiple Neutral

Lightweight Aluminum Interlocked Armor. 600 Volts.
Copper Power Conductors. THHN/THWN Insulated Singles.
Multiple Neutral Conductors. Insulated Grounding Conductors.
Sizes 12 AWG and 10 AWG. Rated VW-1.



APPLICATIONS

Southwire Armorlite® Type MC Cable - "Multiple Neutral" is suitable for use as follows:

- Applications affected by harmonics generated from non-linear switching loads, such as computers, variable frequency drives, electrical test equipment, and office equipment.
- Branch, feeder and service power distribution in commercial, industrial, institutional, and multi-residential buildings.
- Power, lighting, control, and signal circuits.
- Fished or embedded in plaster.
- Concealed or exposed installations.
- Environmental air-handling spaces per NEC 300.22 (C).
- Places of Assembly per NEC 518.4 and theaters per NEC 520.5.
- Installation in cable tray and approved raceways.
- Under raised floors for information technology equipment conductors and cables per NEC 645.5(D) & 645.5(D)(2).
- Class I Div. 2, Class II Div 2, & Class III Div. 1 Hazardous Locations.

STANDARDS & REFERENCES

Southwire Armorlite Type MC Cable- "Multiple Neutral" meet or exceeds the following

- UL 83
- UL 1569
- UL 1685
- Federal Specification A-A59544 (formerly J-C-30B)
- The National Electrical Code
- Listed for use in UL 1, 2 and 3 Hour Through Penetration Firestop Systems
- Jacketed & Non Jacketed will both pass " UL Test" & "FT4/IEEE 1202" (70,000 Btu/hr) Vertical Cable Tray Flame Test

CONSTRUCTION

Southwire Armorlite® Type MC Cable - "Multiple Neutral" is constructed with solid soft-drawn copper Type THHN/THWN phase conductors, an oversized copper neutral conductor or one neutral per phase, and an insulated copper grounding



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conductor. The conductors are cabled together with Mylar binder tape and a marker bearing the print legend. Aluminum interlocking armor is applied over the assembly. The standard PVC Jacket will not meet "Limited Smoke" or "LS" Rating. An optional SOLONON Jacket can be provided for "LS" Rating.

Phase Conductor Size (AWG) / # of Cond.	Solid or Stranded	Neutral Conductor Size (AWG) / # of Cond.**	Grounding Conductor Size (AWG) / # of Cond.	Approx. Weight (lbs./1000)	Approx. Armor O.D. (Inches)	Coil Length (feet)	Reel Length (feet)
12/2	solid	12/2	12/1	155	0.539	250	1000
12/3	solid	12/3	12/1	230	0.611	250	1000
12/4	Solid	12/4	12/1	256	0.647	----	1000
10/2	solid	10/2	10/1	223	0.656	250	1000
10/3	solid	10/3	10/1	369	0.714	250	1000
10/4	solid	10/4	10/1	376	0.668	250	1000
8/4	solid	8/4	8/1	409	0.732	250	1000
12/2	stranded	12/2	12/1	154	0.558	----	1000
12/3	stranded	12/3	12/1	180	0.280	----	1000
12/4	stranded	12/4	12/1	207	0.594	----	1000
10/2	stranded	10/2	10/1	229	0.656	----	1000
10/3	stranded	10/3	10/1	391	0.751	----	1000
10/4	stranded	10/4	10/1	481	0.862	250	1000
8/3	stranded	8/3	8/1	609	0.923	250	1000
6/3	stranded	6/3	6/1	884	1.042	250	1000

**Sizes 8 AWG and larger will be stranded. Note: Consult Section 310.15 of the National Electrical Code, 2008 Edition for ampacities. Data reflects products manufactured with aluminum interlocked armor.



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12/2	solid	12/2	12/2	184	0.574	250	1000
12/3	solid	12/3	12/2	235	0.611	250	1000
12/4	Solid	12/4	12/2	262	0.646	----	1000
12/4	Solid	10/2	12/2	265	0.636	250	1000
12/6	Solid	10/2	12/2	351	0.818	250	1000
10/2	solid	10/2	10/2	329	0.775	250	1000
10/3	solid	10/3	10/2	377	0.714	250	1000
10/4	solid	8/2	10/2	465	0.858	250	1000
10/6	solid	8/2	10/2	522	0.876	----	1000
12/2	stranded	12/2	12/2	189	0.574	----	1000
12/3	stranded	12/3	12/2	244	0.642	----	1000
12/4	stranded	12/3	12/2	272	0.680	----	1000
10/2	stranded	10/2	10/2	364	0.751	----	1000
10/3	stranded	10/3	10/2	391	0.751	----	1000

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FEATURES

- A neutral conductor per phase or multiple oversized neutrals for applications affected by harmonics.
- Reduces installation costs up to 50% over pipe and wire.
- Lightweight aluminum armor--as much as 45% lighter than steel MC Cable.
- UL Classified 1, 2, and 3 hour Through Penetration Firestop Systems: W-J-3037, W-L-3110, W-L-3113, W-L-3117, W-L-3120, W-L-3121, W-L-3160, C-AJ-3115, C-AJ-3140, C-AJ-3142, C-AJ-3145, C-AJ-3173, C-AJ-3202, C-AJ-4065, C-AJ-4066, F-C-3038.
- Cable reverse wound on reel for ease of pulling and installation. When pulling from coils, pull from inside to ensure ease of installation.
- Anti-short bushings are not required for use with MC cable per the NEC and UL

ONLINE CERTIFICATIONS & TOOLS

- UL Online Certification Directory (www.ul.com)
- UL Online Product Guide Info - Metal-Clad Cable (PJAZ) (www.ul.com)



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