

# Armorlite® Type MC Oversized Neutral

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



## APPLICATIONS

Southwire Armorlite® Type MC Cable - Oversized 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- "Oversized Neutral" meets or exceeds the requirements of the following

- UL 83
- UL 1063
- UL 1569
- Federal Specification A-A59544 (formerly J-C-30B)
- Jacketed & Non Jacketed will both pass " UL Test" & "FT4/IEEE 1202" (70,000 Btu/hr) Vertical Cable Tray Flame Test
- The 2011 National Electrical Code
- Listed for use in UL 1, 2 and 3 Hour Through Penetration Firestop Systems

## CONSTRUCTION

Southwire Armorlite® Type MC Cable - Oversized Neutral is constructed with soft-drawn copper, Type THHN/THWN conductors rated 90°C dry available in sizes 12 AWG and 10 AWG, an oversized copper neutral conductor, and a green insulated grounding conductor. The conductors are cabled together and a binder tape bearing the print legend is wrapped



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around the assembly. Aluminum interlocking armor is applied over the assembly. Refer to color chart for conductor color sequence. The standard PVC Jacket will not meet "Limited Smoke" or "LS" Rating. An optional SOLONON Jacket can be provided for "LS" Rating.



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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)	Reel Length (feet)
12/1	solid	10/1	12/1	123	0.521	1000
12/2	solid	10/1	12/1	149	0.558	1000
12/3	solid	10/1	12/1	174	0.580	1000
12/3	solid	8/1	12/1	204	0.628	1000
12/4	solid	10/1	12/1	201	0.594	1000
10/1	solid	8/1	10/1	184	0.585	1000
10/2	solid	8/1	10/1	225	0.656	1000
10/3	solid	8/1	10/1	266	0.700	1000
12/1	stranded	10/1	12/1	126	0.521	1000
12/2	stranded	10/1	12/1	154	0.558	1000
12/3	stranded	10/1	12/1	180	0.580	1000
12/3	stranded	8/1	12/1	208	0.628	1000
12/4	stranded	10/1	12/1	207	0.594	1000
10/2	stranded	8/1	10/1	229	0.656	1000
10/3	stranded	8/1	10/1	272	0.700	1000

\*\*Sizes 8 AWG and larger will be stranded.

## FEATURES

- An oversized neutral conductor per multiple phases 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



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NUMBER OF CONDUCTORS	COLOR SEQUENCE 120/208Y
1	black 
2	black, red  
3	black, red, blue   
4	black, red, blue, orange    
OVERSIZED NEUTRAL	COLOR SEQUENCE
2	white 
3	white with orange stripe  
GROUNDING CONDS.	COLOR SEQUENCE
1	green 
2	green with yellow stripe  

## ONLINE CERTIFICATIONS & TOOLS

- UL Online Certification Directory ( [www.ul.com](http://www.ul.com) )
- UL Online Product Guide Info - Metal-Clad Cable (PJAZ) ( [www.ul.com](http://www.ul.com) )



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