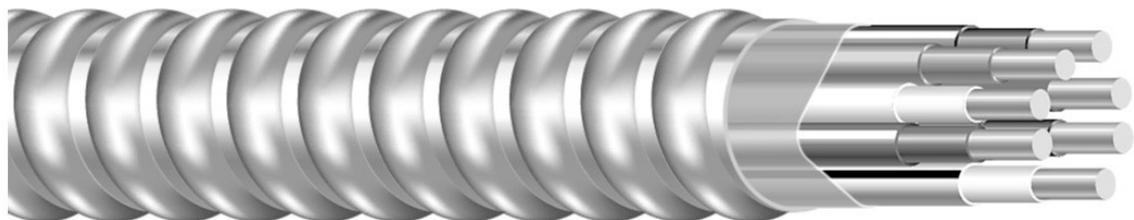


# Armorlite® Type MC Multi-Circuit

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



## APPLICATIONS

Southwire Armorlite® Type MC Cable - "Multi-Circuit" is suitable for use as follows:

- Multiple circuits for 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's Armorlite Type MC Cable - Multi-Circuit meets or exceeds the requirements of

- 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 - "Multi-Circuit" is constructed with soft-drawn, copper Type THHN/THWN conductors rated 90°C dry available in sizes 12 AWG and 10 AWG, and a green insulated grounding conductor. The conductors are cabled together and a binder tape bearing the print legend is wrapped around the assembly. 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.



**Southwire**  
One Southwire Drive  
Carrollton, Ga. 30119 USA

greenSpec™  
RoHS Compliant



Copyright 2010, Southwire Company.  
All Rights Reserved.

®Southwire is a registered trademark  
of Southwire Company.

# Armorlite Type MC - Multi-Circuit

Circuit Conductor Size (AWG) / # of Cond.	Solid or Stranded	Grounding Conductor Size (AWG) / # of Cond.	Weight (lbs./1000 ft.)	Outside Diameter (inches)	Standard Package	
					Coil (feet)	Reel (feet)
12/6	solid	12/1	209	0.574	500	1000
12/8	solid	12/1	262	0.647	500	1000
12/12	solid	12/1	386	0.742	500	1000
10/6	solid	10/1	411	0.750	-----	1000
10/8	solid	10/1	419	0.759	500	1000
10/12	solid	10/1	468	1.030	500	-----
12/6	stranded	12/1	218	0.602	500	-----
12/8	stranded	12/1	273	0.680	500	-----
12/12	stranded	12/1	403	0.782	500	-----
10/6	stranded	10/1	314	0.750	500	-----
10/8	stranded	10/1	437	0.799	500	-----

Note: Consult Section 310.15 of the National Electrical Code, 2011 Edition for ampacities. Conductors with solid colors have print ID. Data reflects products manufactured with aluminum interlocked armor.

## FEATURES

- 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

6 Conductor w/ Ground	8 Conductor w/ Ground	12 Conductor w/ Ground
black 	black 	black 
red 	red 	red 
white (neutral) 	blue 	blue 
black w/ white stripe	white (neutral) 	white (neutral) 
red w/ white stripe	black w/ white stripe	black w/ white stripe
white w/ black stripe	red w/ white stripe	red w/ white stripe
green ground 	blue w/ white stripe	blue w/ white stripe
	white w/ black stripe	white w/ black stripe
	green ground 	black w/ red stripe
		red w/ black stripe
		blue w/ red stripe
		white w/ red stripe(n)
		green ground 

# Armorlite Type MC - Multi-Circuit

---

## 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)



**Southwire**  
One Southwire Drive  
Carrollton, Ga. 30119 USA

**greenSpec™**  
RoHS Compliant



**MADE  
IN THE  
USA**

Copyright 2010, Southwire Company.  
All Rights Reserved.

®Southwire is a registered trademark  
of Southwire Company.