

Armorlite® Type MC Multi-Circuit



14 AWG through 10 AWG Copper THHN/THWN Insulated Singles. Multiple Circuits. Green Insulated Grounding Conductor. UL Listed. 600 Volts. Rated VW-1. Lightweight Aluminum Interlocked Armor.

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.
- 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 following requirements:

- UL 83
- UL 1569
- UL 1685
- UL Online Product Guide Info - Metal-Clad Cable (PJAZ) (www.ul.com)
- Federal Specification A-A59544 (formerly J-C-30B)
- NFPA 70 (National Electrical Code), Article 330
- 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
- REACH/RoHS-2 (Chemical Limit) Compliant

CONSTRUCTION

Southwire Armorlite® Type MC Cable - Multi-Circuit is constructed with 14 awg through 10 awg soft-drawn copper Type THHN/THWN conductors rated 90°C dry, 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. An optional PVC jacket can be applied over the armored assembly.



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CONDUCTOR SIZE AND COLORS	GROUNDING SIZE AND COLOR	STOCK NUMBER		WEIGHT (LBS/1000')	OVERALL DIAMETER (INCHES)
SOLID CONDUCTOR COLORS 120/208V					
12-6 SOLID (BLACK/BLACK-WHITE/WHITE/WHITE-BLACK/RED/RED-WHITE)	12 SOLID (GREEN)	69-00-57-01 (250')	69-00-57-03 (1000')	205	.574
12-8 SOLID (BLACK/BLACK-WHITE/WHITE/WHITE-BLACK/RED/RED-WHITE/BLUE/BLUE-WHITE)	12 SOLID (GREEN)	69-00-65-01 (250')	69-00-65-03 (1000')	256	.647
12-10 SOLID (BLACK/BLACK-WHITE/WHITE/WHITE-BLACK/RED/RED-WHITE/BLUE/BLUE-WHITE/WHITE-BLUE/WHITE-RED)	12 SOLID (GREEN)	-	58-91-22-01 (1000')	301	.693
12-12 SOLID (BLACK/BLACK-WHITE/WHITE/WHITE-BLACK/RED/RED-WHITE/BLUE/BLUE-WHITE/BLACK-RED/RED-BLACK/BLUE-RED/WHITE-RED)	12 SOLID (GREEN)	69-00-73-02 (500')	69-00-73-03 (1000')	379	.742
10-6 SOLID (BLACK/BLACK-WHITE/WHITE/WHITE-BLACK/RED/RED-WHITE)	10 SOLID (GREEN)	55-29-70-02 (500')	55-29-70-03 (1000')	307	.668
10-8 SOLID (BLACK/BLACK-WHITE/WHITE/WHITE-BLACK/RED/RED-WHITE/BLUE/BLUE-WHITE)	10 SOLID (GREEN)	69-00-81-02 (500')	69-00-81-03 (1000')	416	.80
10-10 SOLID (BLACK/RED/BLUE/BLACK-WHITE/RED-WHITE/BLUE-WHITE/WHITE/WHITE-BLACK/WHITE-RED/WHITE-BLUE)	10 SOLID (GREEN)		59-80-31-02 (1000')	476	.854
10-12 SOLID (BLACK/BLACK-WHITE/WHITE/WHITE-BLACK/RED/RED-WHITE/BLUE/BLUE-WHITE/BLACK-RED/RED-BLACK/BLUE-RED/WHITE-RED)	10 SOLID (GREEN)	55-29-86-03 (500')	55-29-86-02 (1000')	571	.879
STRANDED CONDUCTOR COLORS 120/208V					

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Armorlite® Type MC - Multi-Circuit

12-6 STRANDED (BLACK/BLACK- WHITE/WHITE/WHITE- BLACK/RED/RED-WHITE)	12 STRANDED (GREEN)	55-13-53-02 (500')	55-13-53-03 (1000')	218	.602
12-8 STRANDED (BLACK/BLACK- WHITE/WHITE/WHITE- BLACK/RED/RED- WHITE/BLUE/BLUE-WHITE)	12 STRANDED (GREEN)	55-13-54-04 (500')	55-13-54-03 (1000')	273	.680

12-12 STRANDED (BLACK/BLACK- WHITE/WHITE/WHITE- BLACK/RED/RED- WHITE/BLUE/BLUE- WHITE/BLACK-RED/RED- BLACK/BLUE-RED/WHITE-RED)	12 STRANDED (GREEN)	55-13-55-02 (500')	55-13-55-03 (1000')	403	.782
10-6 STRANDED (BLACK/BLACK- WHITE/WHITE/WHITE- BLACK/RED/RED-WHITE)	10 STRANDED (GREEN)		67-47-37-02 (1000')	345	.701
10-8 STRANDED (BLACK/BLACK- WHITE/WHITE/WHITE- BLACK/RED/RED- WHITE/BLUE/BLUE-WHITE)	10 STRANDED (GREEN)	55-13-56-02 (500')	55-13-56-03 (1000')	437	.799
10-12 STRANDED (BLACK/BLACK-WHITE/BLACK- RED/WHITE/WHITE- BLACK/WHITE-RED/RED/RED- WHITE/RED-BLUE/BLUE/BLUE- WHITE/BLUE-RED)	10 STRANDED (GREEN)		67-94-03-02 (1000')	605	.928
Consult NEC Section 310.15 for ampacities.					

FEATURES

- Reduces installation costs up to 50% over pipe and wire.
- 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

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Armorlite® Type MC - Multi-Circuit

WHITE	BLUE	BLUE
BLACK W/ WHITE STRIPE	WHITE	WHITE
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
		GREEN GROUND

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