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.

©2016 Southwire Company, LLC. All rights reserved. ®Registered Trademark of Southwire Company, LLC.
One Southwire Drive, Carrollton, GA 30119, USA

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
12-12 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
10-12 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					
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

©2016 Southwire Company, LLC. All rights reserved. ®Registered Trademark of Southwire Company, LLC.
One Southwire Drive, Carrollton, GA 30119, USA

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)		55-32-38-03 (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
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 COUNDUCTOR W/ GROUND
BLACK	BLACK	BLACK
RED	RED	RED
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

©2016 Southwire Company, LLC. All rights reserved. ®Registered Trademark of Southwire Company, LLC.
One Southwire Drive, Carrollton, GA 30119, USA

NEC TABLE 310.15(B)(16)- ALLOWABLE AMPACITY FOR 600V CONDUCTORS

	TEMPERATURE RATING OF CONDUCTOR		
	60°C (140°F)	75°C (167°F)	90°C (194°F)
SIZE AWG OR KCMIL	Types: TW, UF	Types: RHW, THHW, THW, THWN, XHHW, USE, ZW	Types: TBS, SA, SIS, RHH, RHW-2, THHN, THHW, THW-2, THWN-2, USE-2, XHH, XHHW, XHHW-2, ZW-2
	COPPER		
18	-	-	14
16	-	-	18
14	15	20	25
12	20	25	30
10	30	35	40
8	40	50	55
6	55	65	75
4	70	85	95
3	85	100	115
2	95	115	130
1	110	130	145
1/0	125	150	170
2/0	145	175	195
3/0	165	200	225
4/0	195	230	260
250	215	255	290
300	240	285	320
350	260	310	350
400	280	335	380
500	320	380	430
600	350	420	475
700	385	460	520
750	400	475	535
800	410	490	555
900	435	520	585
1000	455	545	615
1250	495	590	665
1500	525	625	705
1750	545	650	735
2000	555	665	750
Per NEC 310.15(B)(5), the ampacity of 4/C cables shall be reduced by a factor of 0.80 when the neutral is considered a current-carrying conductor.			

Table is reprinted from NFPA 70-2014, the National Electric Code, © 2013 National Fire Protection Association, Quincy, Massachusetts 02269. This reprinted material is not the complete and official position of the National Fire Protection Association on the referenced subject, which is represented only by the standard in its entirety.

©2016 Southwire Company, LLC. All rights reserved. ®Registered Trademark of Southwire Company, LLC.
One Southwire Drive, Carrollton, GA 30119, USA