

# Armorlite® Type MC



14 AWG through 2 AWG THHN/THWN Insulated Singles. Green Insulated Ground. UL Listed. 600 Volts. Rated VW-1. Lightweight Aluminum Interlocked Armor.

## APPLICATIONS

Southwire Armorlite® Type MC Cable is suitable for use as follows:

- 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 Armorlite® Type MC Cable meets or exceeds the requirements of the following:

- UL 83
- UL 1569
- UL 1685
- UL Online Product Guide Info - Metal-Clad Cable (PJAZ) ( [www.ul.com](http://www.ul.com) )
- Federal Specification A-A59544 (formerly J-C-30B)
- FT4/IEEE 1202 (70,000 Btu/hr) Vertical Cable Tray Flame Test
- NFPA 70 (National Electrical Code), Article 330
- Listed for use in UL 1, 2 and 3 Hour Through Penetration Firestop Systems
- REACH/RoHS-2 (Chemical Limit) Compliant

## CONSTRUCTION

Southwire Armorlite® Type MC Cable is constructed with soft-drawn copper, Type THHN/THWN conductors rated 90°C dry available in sizes 14 AWG through 2 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.



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CONDUCTOR SIZE AND COLORS	GROUNDING SIZE AND COLOR	STOCK NUMBER		WEIGHT (LBS/1000')	OVERALL DIAMETER (INCHES)
		COIL (250')	REEL (1000')		
<b>SOLID CONDUCTOR COLORS 120/208V</b>					
14-2 SOLID (BLACK/WHITE)	14 SOLID (GREEN)	68-57-92-01	68-57-92-02	77	.439
14-3 SOLID (BLACK/WHITE/RED)	14 SOLID (GREEN)	68-58-26-01	68-58-26-02	94	.464
14-4 SOLID (BLACK/WHITE/RED/BLUE)	14 SOLID (GREEN)	68-71-86-01	68-71-86-02	112	.494
12-2 SOLID (BLACK/WHITE)	12 SOLID (GREEN)	68-58-00-01	68-58-00-02	105	.475
12-2 SOLID (RED/WHITE)	12 SOLID (GREEN)	68-95-21-01	68-95-21-02	105	.475
12-2 SOLID (BLUE/WHITE)	12 SOLID (GREEN)	68-94-89-01	68-94-89-02	105	.475
12-3 SOLID (BLACK/WHITE/RED)	12 SOLID (GREEN)	68-58-34-01	68-58-34-02	129	.505
12-3 SOLID (BLACK/WHITE/BLUE)	12 SOLID (GREEN)	61-09-73-01	61-09-73-02	129	.505
12-3 SOLID (RED/WHITE/BLUE)	12 SOLID (GREEN)	61-09-71-01	61-09-71-02	129	.505
12-4 SOLID (BLACK/WHITE/RED/BLUE)	12 SOLID (GREEN)	68-71-94-01	68-71-94-03	155	.539
10-2 SOLID (BLACK/WHITE)	10 SOLID (GREEN)	68-58-18-01	68-58-18-03	150	.542
10-2 SOLID (RED/WHITE)	10 SOLID (GREEN)	61-05-21-01	61-05-21-02	150	.542
10-2 SOLID (BLUE/WHITE)	10 SOLID (GREEN)	61-05-18-01	61-05-18-02	150	.542
10-3 SOLID (BLACK/WHITE/RED)	10 SOLID (GREEN)	68-58-42-01	68-58-42-03	189	.58
10-4 SOLID (BLACK/WHITE/RED/BLUE)	10 SOLID (GREEN)	68-72-02-01	68-72-02-03	229	.623
<b>STRANDED CONDUCTOR COLORS 120/208V</b>					
12-2 STRANDED (BLACK/WHITE)	12 STRANDED (GREEN)	69-11-47-01	69-11-47-02	110	.494
12-3 STRANDED (BLACK/WHITE/RED)	12 STRANDED (GREEN)	69-11-54-01	69-11-54-02	134	.537
12-4 STRANDED (BLACK/WHITE/RED/BLUE)	12 STRANDED (GREEN)	69-11-62-01	69-11-62-02	164	.564
10-2 STRANDED (BLACK/WHITE)	10 STRANDED (GREEN)	69-11-70-01	69-11-70-02	159	.566
10-3 STRANDED (BLACK/WHITE/RED)	10 STRANDED (GREEN)	69-11-88-01	69-11-88-02	201	.607
10-4 STRANDED (BLACK/WHITE/RED/BLUE)	10 STRANDED (GREEN)	69-11-96-01	69-11-96-02	242	.653
<b>SOLID CONDUCTOR COLORS 277/480V</b>					
12-2 SOLID (YELLOW/GRAY)	12 SOLID (GREEN)	68-93-23-01	68-93-23-02	105	.475
12-2 SOLID (BROWN/GRAY)	12 SOLID (GREEN)	68-93-64-01	68-93-64-02	105	.475
12-2 SOLID (ORANGE/GRAY)	12 SOLID (GREEN)	68-94-06-01	68-94-03-02	105	.475
12-2 SOLID (PURPLE/GRAY)	12 SOLID (GREEN)	68-94-48-01	68-94-48-02	105	.475

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12-3 SOLID (BROWN/YELLOW/GRAY)	12 SOLID (GREEN)	61-05-23-01	61-05-23-02	129	.539
12-3 SOLID (BROWN/ORANG/GRAY)	12 SOLID (GREEN)	68-95-62-01	68-95-62-02	129	.539
12-3 SOLID (ORANGE/YELLOW/GRAY)	12 SOLID (GREEN)	61-12-70-01	61-12-70-02	129	.539
12-4 SOLID (BROWN/ORANGE/YELLOW/GRAY)	12 SOLID (GREEN)	68-95-70-01	68-95-70-02	155	.539
10-2 SOLID (ORANGE/GRAY)	10 SOLID (GREEN)	55-11-67-01	55-11-67-02	150	.542
10-2 SOLID (YELLOW/GRAY)	10 SOLID (GREEN)	61-05-22-01	61-05-22-02	150	.542
10-2 SOLID (BROWN/GRAY)	10 SOLID (GREEN)	68-96-04-01	68-96-04-02	150	.542
10-3 SOLID (BROWN/ORANGE/GRAY)	10 SOLID (GREEN)	68-95-39-01	68-95-39-02	189	.58
10-3 SOLID (BROWN/YELLOW/GRAY)	10 SOLID (GREEN)	61-05-50-01	61-05-50-02	189	.58
10-4 SOLID (BROWN/ORANGE/YELLOW/GRAY)	10 SOLID (GREEN)	68-94-14-01	68-94-14-02	229	.623
<b>STRANDED CONDUCTOR COLORS 277/480V</b>					
12-2 STRANDED (YELLOW/GRAY)	12 STRANDED (GREEN)	55-11-08-01	55-11-08-02	110	.494
12-2 STRANDED (BROWN/GRAY)	12 STRANDED (GREEN)	55-11-10-01	55-11-10-02	110	.494
12-2 STRANDED (ORANGE/GRAY)	12 STRANDED (GREEN)	55-11-12-01	55-11-12-02	110	.494
12-3 STRANDED (BROWN/YELLOW/GRAY)	12 STRANDED (GREEN)	55-11-60-01	55-11-60-02	134	.537
12-3 STRANDED (BROWN/ORANGE/GRAY)	12 STRANDED (GREEN)	55-11-14-01	55-11-14-02	134	.537
12-4 STRANDED (BROWN/ORANGE/YELLOW/GRAY)	12 STRANDED (GREEN)	55-11-22-01	55-11-22-02	164	.564
10-2 STRANDED (BROWN/GRAY)	10 STRANDED (GREEN)	55-12-76-01	55-12-76-02	159	.566
10-3 STRANDED (BROWN/ORANGE/GRAY)	10 STRANDED (GREEN)	55-11-21-01	55-11-21-02	201	.607
10-4 STRANDED (BROWN/ORANGE/YELLOW/GRAY)	10 STRANDED (GREEN)	55-12-78-01	55-12-78-02	242	.653
<b>INTERMEDIATE CONDUCTOR COLORS 120/208V</b>					
8-2 STRANDED (BLACK/WHITE)	10 STRANDED (GREEN)	68-70-95-01 (200')	68-70-95-02 (500')	231	.644
8-2 STRANDED (RED/WHITE)	10 STRANDED (GREEN)	55-11-75-01 (200')		231	.644
8-2 STRANDED (BLUE/WHITE)	10 STRANDED (GREEN)	55-11-77-01 (200')		231	.644
8-3 STRANDED (BLACK/WHITE/RED)	10 STRANDED (GREEN)	68-71-37-01 (200')	68-71-37-02 (500')	299	.678
8-3 STRANDED (RED/BLUE/WHITE)	10 STRANDED (GREEN)	55-11-80-01 (200')		299	.678
8-4 STRANDED (BLACK/WHITE/RED/BLUE)	10 STRANDED (GREEN)	68-72-10-04 (200')	68-72-10-02 (500')	378	.793
6-2 STRANDED (BLACK/WHITE)	8 STRANDED (GREEN)	68-71-03-01 (125')	68-71-03-02 (500')	312	.716
6-3 STRANDED (BLACK/WHITE/RED)	8 STRANDED (GREEN)	68-71-45-01 (125')	68-71-45-02 (500')	442	.819
6-4 STRANDED (BLACK/WHITE/RED/BLUE)	8 STRANDED (GREEN)	68-72-51-01 (100')	68-72-51-02 (500')	546	.890
4-3 STRANDED (BLACK/WHITE/RED)	8 STRANDED (GREEN)	68-71-52-01 (100')	68-71-52.02 (500')	635	.986

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4-4 STRANDED (BLACK/WHITE/RED/BLUE)	8 STRANDED (GREEN)	68-72-28-01 (100')	68-72-28-02 (500')	797	1.077
3-3 STRANDED (BLACK/WHITE/RED)	6 STRANDED (GREEN)	68-71-60-01 (100')	68-71-60-02 (500')	785	1.053
3-4 STRANDED (BLACK/WHITE/RED/BLUE)	6 STRANDED (GREEN)	68-72-36-01 (100')	68-72-36-02 (500')	985	1.152
2-3 STRANDED (BLACK/WHITE/RED)	6 STRANDED (GREEN)	68-71-78-01 (100')	68-71-78-02 (500')	936	1.130
2-4 STRANDED (BLACK/WHITE/RED/BLUE)	6 STRANDED (GREEN)	68-72-44-01 (100')	68-72-44-02 (500')	1195	1.239
<b>INTERMEDIATE CONDUCTOR COLORS 277/480V</b>					
8-2 STRANDED (BROWN/GRAY)	10 STRANDED (GREEN)	55-11-72-01 (200')	55-11-72-02 (1000')	231	.644
8-2 STRANDED (YELLOW/GRAY)	10 STRANDED (GREEN)		55-11-74-99	231	.644
8-2 STRANDED (ORANGE/GRAY)	10 STRANDED (GREEN)	55-11-73-01 (200')		231	.644
8-3 STRANDED (BROWN/ORANGE/GRAY)	10 STRANDED (GREEN)	55-11-78-03 (500')	55-11-78-02 (1000')	299	.678
8-3 STRANDED (BROWN/YELLOW/GRAY)	10 STRANDED (GREEN)	55-11-79-01 (200')		299	.678
6-2 STRANDED (BROWN/GRAY)	8 STRANDED (GREEN)	55-03-75-01 (1000')	55-03-75-99	333	.716
6-2 STRANDED (YELLOW/GRAY)	8 STRANDED (GREEN)	56-12-35-01 (1000')		333	.716
6-3 STRANDED (BROWN/ORANGE/GRAY)	8 STRANDED (GREEN)	55-35-41-02 (500')	55-35-41-03 (1000')	441	.819
6-3 STRANDED (BROWN/ORANGE/YELLOW)	8 STRANDED (GREEN)	55-60-46-03 (1000')	55-60-46-99	441	.819
6-4 STRANDED (BROWN/ORANGE/YELLOW/GRAY)	8 STRANDED (GREEN)	55-25-78-02 (500')	55-25-78-01 (1000')	545	.89
4-3 STRANDED (BROWN/ORANGE/YELLOW)	8 STRANDED (GREEN)	55-64-78-03 (1000')	55-64-78-99	635	.985
4-4 STRANDED (BROWN/ORANGE/YELLOW/GRAY)	8 STRANDED (GREEN)	55-45-80-99		800	1.076
2-3 STRANDED (BROWN/ORANGE/YELLOW)	6 STRANDED (GREEN)	55-43-87-99		921	1.034
2-4 STRANDED (BROWN/ORANGE/YELLOW/GRAY)	6 STRANDED (GREEN)	58-07-40-99		1181	1.238
For allowable ampacities, refer to NEC 310.15. Available in sizes up to 750 kcmil.					

## FEATURES

- Reduces installation costs up to 50% over pipe and wire.
- Lightweight aluminum armor--as much as 45% lighter than steel MC Cable.
- Better grounding performance than Type AC
- Also available in barrels, boxes, or prefab assemblies
- 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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