

# Armorlite®

## Type MC



Lightweight Aluminum Interlocked Armor. 600 Volts. Copper Power Conductors. THHN/THWN Insulated Singles. Green Insulated Grounding Conductor. Sizes 14 AWG through 2 AWG. Rated VW-1.

## 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.
- 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 meets or exceeds the requirements of the following:

- UL 83
- UL 1569
- UL 1685
- Federal Specification A-A59544 (formerly J-C-30B)
- FT4/IEEE 1202 (70,000 Btu/hr) Vertical Cable Tray Flame Test
- NEC
- 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

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)	68-96-04-02	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')	68-70-95-01 (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 (100')		231	.644
8-2 STRANDED (YELLOW/GRAY)	10 STRANDED (GREEN)	55-11-74-01 (100')		231	.644
8-2 STRANDED (ORANGE/GRAY)	10 STRANDED (GREEN)	55-11-73-01 (100')		231	.644
8-3 STRANDED (BROWN/ORANGE/GRAY)	10 STRANDED (GREEN)	55-11-78-01 (100')		299	.678
8-3 STRANDED (BROWN/YELLOW/GRAY)	10 STRANDED (GREEN)	55-11-79-01 (100')		299	.678
<p>Note: Ampacities are based on Table 310.16 of the NEC, 2008 Edition.  ‡Allowable ampacities shown are for general use as specified by the National Electrical Code, 2008 Edition, Section 310.15.  If the equipment is marked for use at higher temperatures, the conductor ampacity shall be limited to the following per NEC 110.14(C). 60°C - When terminated to equipment for circuits rated 100 amperes or less or marked for size 14 through 1 AWG conductors.  75°C - When terminated to equipment for circuits rated over 100 amperes or marked for conductors larger than size 1 AWG. 90°C - For ampacity derating purposes.  <b>Per NEC 310.15(B)(2)(a), the ampacity of 4/C cables shall be reduced by a factor of 0.80 when the neutral is considered a current-carrying conductor.</b>  + Available in sizes up to 750 kcmil.</p>					

## 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

NUMBER OF CONDUCTORS	COLOR SEQUENCE 120/208Y
2	black, white 
3	black, white, red 
4	black, white, red, blue 
Grounding Conductor	green 

NUMBER OF CONDUCTORS	COLOR SEQUENCE 277/480Y
2	brown, grey 
2	orange, grey 
2	yellow, grey
2	purple, grey 
3	brown, yellow, grey 
3	brown, orange, grey 
4	brown, orange, yellow, grey 
4	brown, yellow, purple, grey 
Grounding Conductor	green 

## 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) )