

Armorlite®

Type MC PVC Jacketed



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

APPLICATIONS

Southwire Armorlite® Type MC Cable - "flame retardant, sunlight resistant PVC Jacket" is suitable for use as follows:

- Wet Location rated per Section 330.10(11)(C) of the National Electrical Code® 2011 Edition
- Direct burial applications, installation in concrete and where exposed to cinder fills, strong chlorides, caustic alkalis, or vapors of chlorine or of hydrochloric acids.
- 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
- Places of Assembly per NEC 518.4 and theaters per NEC 520.5.
- Installation in cable tray, approved raceways, or as aerial cable on a messenger.
- 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 comply with the following:

- UL 83, 1569, and 1685
- Federal Specification A-A59544 (formerly J-C-30B)
- The National Electrical Code/ NFPA 70®
- 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 - "PVC Jacketed" is constructed with soft-drawn, copper Type THHN/THWN conductors rated 90°C dry/ 75°C wet, and a green insulated grounding conductor. The conductors are cabled together and a binder tape is wrapped around the assembly. Aluminum interlocking armor is applied over the assembly. A black flame retardant PVC jacket is applied over the armor. The jacket is available in other colors upon request subject to economic order quantities. The standard PVC Jacket will not meet "Limited Smoke" or "LS" Rating. An optional SOLONON Jacket can be provided for "LS" Rating.




































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CONDUCTOR SIZE AND COLORS	GROUNDING SIZE AND COLOR	STOCK NUMBER		WEIGHT (LBS/1000')	OVERALL DIAMETER (INCHES)
		COIL (250')	REEL (1000')		
SOLID CONDUCTOR COLORS 120/208V					
14-2 SOLID (BLACK/WHITE)	14 SOLID (GREEN)	61-00-37-01	61-00-3702	122	.539
14-3 SOLID (BLACK/WHITE/RED)	14 SOLID (GREEN)	61-00-41-01	61-00-41-02	142	.565
14-4 SOLID (BLACK/WHITE/RED/BLUE)	14 SOLID (GREEN)	61-00-45-01	61-00-45-02	162	.594
12-2 SOLID (BLACK/WHITE)	12 SOLID (GREEN)	61-00-50-01	61-00-50-02	152	.575
12-3 SOLID (BLACK/WHITE/RED)	12 SOLID (GREEN)	61-00-54-01	61-00-54-02	180	.605
12-4 SOLID (BLACK/WHITE/RED/BLUE)	12 SOLID (GREEN)	61-00-59-01	61-00-59-02	209	.639
10-2 SOLID (BLACK/WHITE)	10 SOLID (GREEN)	61-00-64-03	61-00-64-02	204	.642
10-3 SOLID (BLACK/WHITE/RED)	10 SOLID (GREEN)	61-00-68-03	61-00-68-02	247	.68
10-4 SOLID (BLACK/WHITE/RED/BLUE)	10 SOLID (GREEN)	61-00-74-01	61-00-74-02	291	.723
STRANDED CONDUCTOR COLORS 120/208V					
12-2 STRANDED (BLACK/WHITE)	12 STRANDED (GREEN)	56-14-39-01	56-14-39-02	160	.595
12-3 STRANDED (BLACK/WHITE/RED)	12 STRANDED (GREEN)		56-72-74-02	188	.637
12-4 STRANDED (BLACK/WHITE/RED/BLUE)	12 STRANDED (GREEN)		56-14-41-02	220	.664
10-2 STRANDED (BLACK/WHITE)	10 STRANDED (GREEN)		55-28-08-02	215	.67
10-3 STRANDED (BLACK/WHITE/RED)	10 STRANDED (GREEN)		55-36-31-02	261	.707
10-4 STRANDED (BLACK/WHITE/RED/BLUE)	10 STRANDED (GREEN)		55-64-20-02	308	.753
<p>Note: Ampacities are based on Table 310.16 of the NEC, 2011 Edition.</p> <p>‡Allowable ampacities shown are for general use as specified by the National Electrical Code, 2011 Edition, Section 310.15.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>*Circuit sizes 12 AWG and 10 AWG also available as stranded conductors.</p> <p>+ 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.
- 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)
- UL Online Product Guide Info - Metal-Clad Cable (PJAZ) (www.ul.com)