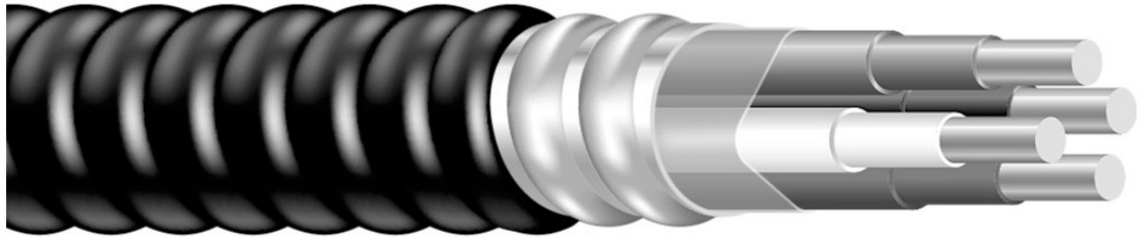


Armorlite® Type MC PVC Jacketed

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:

- 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.
- As aerial cable on a messenger.
- 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 requirements of

- UL 83
- UL 1569
- UL 1685
- Federal Specification A-A59544 (formerly J-C-30B)
- The National Electrical Code
- 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

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

Armorlite Type MC - PVC Jacketed

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.



Southwire
One Southwire Drive
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greenSpec™
RoHS Compliant



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Armorlite Type MC - PVC Jacketed

Conductor Size+ (AWG)	Solid or Stranded*	Grounding Conductor Size (AWG)	Outside Diameter Over Armor (inches)	Outside Diameter Over Jacket (inches)	Total Weight (Ibs/1000 ft.)	Ampacities‡ (Amps)			Standard Package	
						60°C	75°C	90°C	Coil (feet)	Reel (feet)
14/2	Solid	14 sol	0.439	0.539	122	15	15	15	250	1000
14/3	Solid	14 sol	0.464	0.565	142	15	15	15	250	1000
14/4	Solid	14 sol	0.494	0.594	162	15	15	15	250	1000
12/2	Solid	12 sol	0.475	0.575	152	20	20	20	250	1000
12/3	Solid	12 sol	0.505	0.605	180	20	20	20	250	1000
12/4	Solid	12 sol	0.539	0.639	209	20	20	20	250	1000
10/2	Solid	10 sol	0.542	0.642	204	30	30	30	250	1000
10/3	Solid	10 sol	0.580	0.680	247	30	30	30	250	1000
10/4	Solid	10 sol	0.623	0.723	291	30	30	30	250	1000
12/2	19	12-19	0.564	0.664	178	20	20	20	----	1000
12/3	19	12-19	0.602	0.702	217	20	20	20	----	1000
12/4	19	12-19	0.680	0.780	272	20	20	20	----	1000
10/2	19	10-19	0.653	0.753	245	30	30	30	----	1000
10/3	19	10-19	0.701	0.801	344	30	30	30	----	1000
10/4	19	10-19	0.799	0.899	436	30	30	30	250	1000
8/2	19	10-19	0.678	0.778	302	40	50	55	200	500
8/3	19	10-19	0.732	0.832	379	40	50	55	200	500
8/4	19	10-19	0.793	0.893	455	40	50	55	200	500
6/2	19	8-19	0.756	0.856	411	55	65	75	125	500
6/3	19	8-19	0.819	0.919	521	55	65	75	125	500
6/4	19	8-19	0.890	0.990	631	55	65	75	100	500
4/3	19	8-19	0.986	1.086	731	70	85	95	100	500
4/4	19	8-19	1.077	1.177	903	70	85	95	100	500
2/3	19	6-19	1.130	1.231	1042	95	115	130	100	500
2/4	19	6-19	1.239	1.339	1302	95	115	130	100	500

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.

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.

*Circuit sizes 12 AWG and 10 AWG also available as stranded conductors.

+ 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.
- 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.



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Armorlite Type MC - PVC Jacketed

- 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)