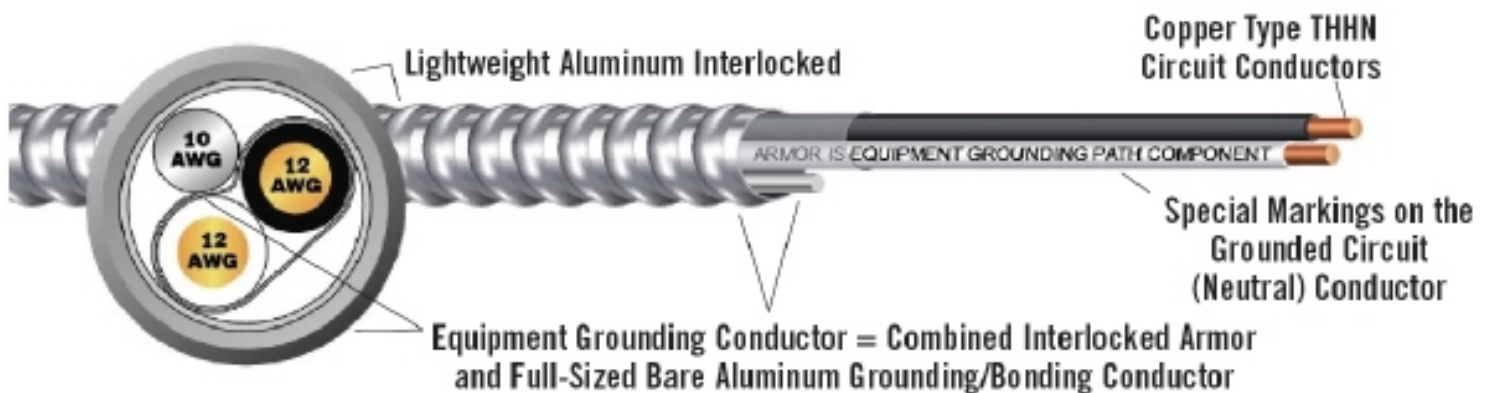


MC^{AP} Type MC All Purpose

Lightweight Aluminum Interlocked Armor. 600 Volt. Copper THHN Insulated Conductors
Full-Sized Aluminum Equipment Grounding/Bonding Conductor. UL Listed. Rated VW-1



APPLICATIONS

Southwire MC^{AP} Type MC Cable - All Purpose is suitable for use as follows:

- Wherever standard AC or MC cable is permitted.
- Branch circuit wiring 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).

STANDARDS & REFERENCES

Southwire MC^{AP} Type MC Cable meet or exceed the following

- UL 83
- UL 1569
- UL 1063
- NFPA 70 National Electrical Code
- Federal Specification A-A59544 (formerly J-C-30B)
- IEEE 1202 (70,000 Btu/hr) Vertical Cable Tray Flame Test
- Listed for use in UL 1, 2, and 3 Hour Through-Penetration Firestop Systems

CONSTRUCTION

Southwire MC^{AP} Type MC cable is constructed with solid soft-drawn copper Type THHN circuit conductors rated 90 °C dry and a full-sized bare aluminum grounding/bonding conductor. This cable is available in sizes 14-10 AWG. The insulated conductors are cabled together and wrapped with a binder tape bearing the print legend. The bare aluminum grounding/bonding conductor is located outside the binding tape and has the same lay as the insulated conductors. Aluminum interlocking armor is snugly applied over the assembly. The aluminum armor and bare aluminum conductor are in intimate contact and together form the equipment ground assembly. To insure proper installation, refer to the installation instructions provided with every reel and coil.

MC-AP Type MC All Purpose

Size and Number of Phase Conductors	Solid or Stranded	Grounding/Bonding Conductor	Nominal Overall Diameter (inches)	Weight per 1000' (lbs)	Allowable Ampacity+			Package Code
					60° C	75° C	90° C	
14/2	Solid	12 Solid Aluminum	0.400	63	15	15	15	AD
14/2	Stranded	12 Solid Aluminum	0.405	67	15	15	15	AD
14/3	Solid	12 Solid Aluminum	0.410	78	15	15	15	AD
14/3	Stranded	12 Solid Aluminum	0.425	85	15	15	15	AD
14/4	Solid	12 Solid Aluminum	0.435	96	15	15	15	AD
12/2	Solid	10 Solid Aluminum	0.430	88	20	20	20	AD
12/2	Stranded	10 Solid Aluminum	0.437	90	20	20	20	AD
12/3	Solid	10 Solid Aluminum	0.445	110	20	20	20	AD
12/3	Stranded	10 Solid Aluminum	0.450	118	20	20	20	AD
12/4	Solid	10 Solid Aluminum	0.480	134	20	20	20	AD
12/4	Stranded	10 Solid Aluminum	0.515	145	20	20	20	AC
10/2	Solid	8 Solid Aluminum	0.485	123	30	30	30	AD
10/2	Stranded	8 Solid Aluminum	0.530	130	30	30	30	AC
10/3	Solid	8 Solid Aluminum	0.520	162	30	30	30	AB
10/3	Stranded	8 Solid Aluminum	0.565	173	30	30	30	AB
10/4	Solid	8 Solid Aluminum	0.565	162	30	30	30	AB
10/4	Stranded	8 Solid Aluminum	0.645	216	30	30	30	AB

+ Allowable ampacities shown are for general use as specified by the National Electrical Code, 2008 Edition, Section 310.15.
 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.
 If the equipment is marked for use at higher temperature, the conductor ampacity shall be limited to the following per NEC 110.14(C)
 Dimensions are nominal and subject to normal manufacturing tolerances and should be used for reference purposes only.

Standard Packaging
 A - 250' Coil
 B - 500' Reel
 C - 750' Reel
 D - 1000' Reel

NUMBER OF CONDUCTORS	COLOR SEQUENCE 120/208Y
2	black, white
2	blue, white
2	red, white
3	black, white, red
4	black, white, red, blue
Bonding Conductor	Bare Aluminum

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
Bonding Conductor	Bare Aluminum



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MC-AP Type MC All Purpose

FEATURES

- An armor assembly that is an equipment grounding conductor per 2011 NEC 250.118(10)(a).
- Installation instructions included with every reel and coil.
- Simplified product application and installation over other armored products.
- Faster conductor make-up, wiring device installation and trim-out when grounding/bonding conductor is terminated per installation instructions.
- 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



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