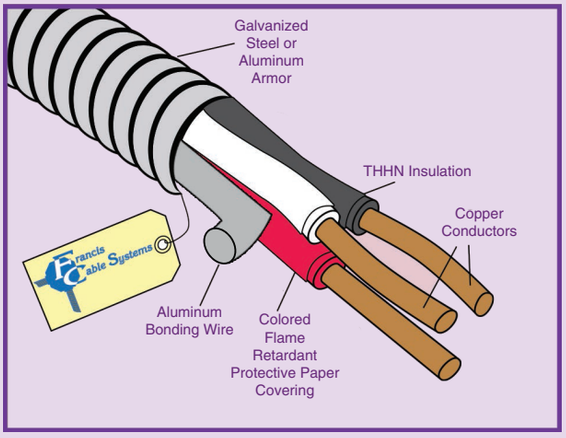
Francis Cable Systems Metal-Clad ArmorGround Cable (MC-AG)

Metal-Clad ArmorGround(MC-AG) cable produced by Francis Cables Systems is a cost effective alternative for pipe-and-wire systems, especially when installing in commercial buildings and places of large public assembly. MC-AG Cable offers unsurpassed reliability and ease of application. Metal-Clad ArmorGround Cable provides greater resistance to mechanical damage, permits design flexibility of cable runs, and simplifies cable rerouting for equipment relocation. The cable handles power, lighting, control and signal circuits. It is ideal where space is limited and maximum performance is demanded.



Francis Cables Systems Metal-Clad ArmorGround (MC-AG) cables are manufactured with the "Mark of Excellence" ™

Applications: Type MC cable shall be permitted as follows:

- ❒ UL listed and labeled (Standard 1569) UL LISTED
- ❒ Permitted use for services, feeders, and branch circuits in industrial, commercial, and multi-residential buildings
- ❒ Acceptable for power, lighting, control, and signal circuits
- ❒ Allowable in concealed or exposed systems
- ❒ Permitted in dry locations and embedded in plaster finish on brick or other masonry except in damp or wet locations
- ❒ Utilized for environmental air-handling spaces (NEC 300.22)(C)
- ❒ Allowable in assembly occupancies (NEC 518.4)
- ❒ Permissable in theaters, audience areas of motion pictures, television studios, and similar locations (NEC 520.5)
- ❒ Allowable installations in approved raceways and cable trays (NEC 392)
- ❒ Suitable for installation under raised floors for IT equipment (NEC 645.5)
- ❒ Permitted in Class I Div. 2, Class II Div.2, and Class III Div.1 Hazardous Locations
- ❒ Listed for use in UL 1, 2, and 3 Hour Through-Penetration Firestop Systems
- ❒ Suitable for type MCI-A fittings
- ❒ Made in the U.S.A. fully pre-assembled and inspected

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Metal-Clad-ArmorGround (MC-AG) Cable Weights and Measurements

Type MC-AG (ArmorGround™) Copper Conductor Steel Aluminum Armor-THHN/THWN-2 600V

Conductors			Outside Diameter Over Armor	Total Weight of Type MC-Copper Conductor	Allowable Ampacity (Amps)*			Standard Packaging	
AWG/No.	Type	Ground	(in)	Steel/Aluminum(lbs/1000 ft)	60°C	75°C	90°C	Coil (ft)	Reel (ft)
14/2	Solid	12 Solid AL	0.400	150/72	15	15	15	250'	1000'
14/3	Solid	12 Solid AL	0.425	170/89	15	15	15	250'	1000'
14/4	Solid	12 Solid AL	0.450	200/108	15	15	15	250'	1000'
12/2	Solid	10 Solid AL	0.450	180/95	20	20	20	250'	1000'
12/3	Solid	10 Solid AL	0.495	210/123	20	20	20	250'	1000'
12/4	Solid	10 Solid AL	0.500	240/148	20	20	20	250'	1000'
10/2	Solid	8 Solid AL	0.500	225/133	30	30	30	250'	1000'
10/3	Solid	8 Solid AL	0.525	275/173	30	30	30	250'	1000'
10/4	Solid	8 Solid AL	0.575	325/218	30	30	30	250'	1000'

Note: Available in strand by request. Ampacities are based on Table 310.15(B)(16) of the NEC. *Ampacities shown are for general use as specified by the NEC, Section 310.15.

For equipment 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 AWG through 1 AWG conductor.

75°C when terminated to equipment for circuits rated over 100 amperes or marked for conductors larger than 1 AWG.

90°C for ampacity derating purposes.

When the neutral is considered current-carrying conductor, the ampacity of 4/C cables shall be reduced by a factor of 0.80 per NEC 310.15(B)(2)(a).

The above data is approximate and subject to normal manufacturing tolerances.