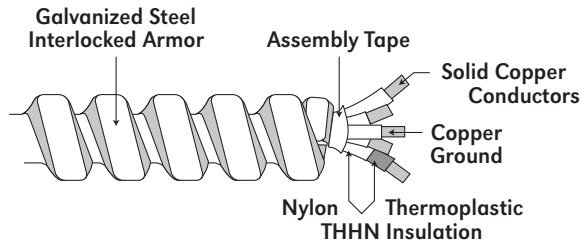


Home Run Cable® - Type MC Technical Specifications

Specification Description

Specification	Home Run Cable
Armor	Galvanized Interlocking Steel* Strip
Conductors	Solid Copper
Conductor Insulation	THHN/THWN
Assembly Covering	Polypropylene Tape
Maximum Temperature Rating	90°C (dry)
Grounding	One grounding means – Insulated Green Grounding Conductor (additional grounding conductors optional**)
Maximum Voltage Rating	600V



References & Ratings



- U.L. 83, 1479, 1569, 1581, File Reference E80042
- NEC 230.43, 300.22(C), 392, 396, 330, 645
- Federal Specification A-A-59544 (formerly J-C-30B)
- Cable Tray installations per NEC
- U.L. Classified 1, 2 and 3-hour Through-Penetration Fire Wall File R-14929
- Environmental Air-Handling Space installation
- Conductors must be derated per NEC Table 310.15(B)(2)(a)

Product Codes, Trade Sizes, Conductors, Packaging & Product Dimensions

Product Code Reel	Trade Size	Grounding Conductor AWG	Length (feet) Reel	Approx. Weight/1000 Feet (lbs.)	Armor Minimum O.D. (inches)
Stock Items					
1901-45-00	12-6 Solid	12	500'	345	0.580
1901-60-00	12-6 Solid	12	1000'	345	0.580
1902-45-00	12-8 Solid	12	500'	430	0.660
1902-60-00	12-8 Solid	12	1000'	430	0.660
1911-45-00	10-6 Solid	10	500'	485	0.670
1911-60-00	10-6 Solid	10	1000'	485	0.670
1905-45-00	10-8 Solid	10	500'	600	0.765
1905-60-00	10-8 Solid	10	1000'	600	0.765
1927-99-00	10-12 Solid	10	††	805	0.890
1928-99-00	10-16 Solid	10	††	995	0.980

Note: All dimensions and weights subject to normal manufacturing tolerances.

Non-stock items require lead time and minimum quantity.

* Aluminum available by special order and subject to lead times and minimum quantities.

** Special order, subject to lead times and minimum quantities.

†† Cut to order.

Armored Cable Derating Example

90°C RATED ARMORED CABLE 12 AWG WITH 4 COPPER CONDUCTORS.

- 1) Find conductor ampacity in NEC Table 310.16
- 12AWG, 90°C = 30 amperes
- 2) Find adjustment factor in NEC Article 310.15(B)(2)(a).
- 30 x .80 = 24 amperes

Stocking Sizes Color Codes:

Conductors 120 Volt Colors

6	black, black/silver, red, red/silver, white, white/silver
8	black, black/silver, red, red/silver, blue, blue/silver, white, white/silver
12	3 black, 3 red, 3 blue, 3 white; each color numbered 1-3
16	4 black, 4 red, 4 blue, 4 white; each color numbered 1-4