

# Lighting/PCS MC Cable

**AL****Aluminum  
Armor**

## 12 AWG – 10 AWG THHN/THWN-2 Insulated Conductors with Green Insulated Ground and 16 AWG TFN/TFFN Signal and/or Control Conductors for LED Lighting with 0 to 10-Volt Dimming

Solid or Stranded Conductors  
600V  
90°C Dry

### Description:

Metal-Clad Cable with two-, three- or four-circuit THHN/THWN-2 conductors, a green insulated equipment grounding conductor, and a signal and/or control assembly comprising two 16 AWG TFN/TFFN conductors with an outer PVC jacket. Intended for use in accordance with the National Electrical Code®. Conductor constructions have insulated power and grounding conductors cabled together with a separator tape, displaying the identification print legend, wrapped around the assembly and a signal and/or control assembly cabled on the outside of the separator tape. An interlocked aluminum armor is applied over the entire construction.

### Materials:

**Solid Conductors:** Soft, uncoated copper per ASTM B3

**Stranded Conductors:** Uncoated copper per ASTM B3, B8, and B787

**Insulation:** Nylon (polyamide) color-coded THHN/THWN-2

**Signal and/or Control Assembly:** Single unshielded twisted pair; FR-PVC jacket; 16 AWG TFN/TFFN conductors

**Armor:** Aluminum alloy armor applied over the complete assembly

### Standards:

UL 1569: E38918

UL 83: E15119

ASTM B3, B8, and B787

NFPA 70 (National Electrical Code),  
Article 330

Federal Specification A-A59544

### Armor Coding System\*:

- Sequential Footage:**  
shown every two feet
- Footage Marker:**  
Black line = aluminum armor
- Chevron Colors:** indicate number & color of conductors  
**Chevron Direction:** indicates recommended pull direction
- Cable Size:** indicates wire gauge & number of conductors
- Yellow Block and**
- Yellow Circle Icons:** indicate Lighting MC

\*PATENT PENDING

### Features:

**MC** Sequential Footage

Footage  
GUARANTEE

**RoHS**  
compliant



Armor Coding System is printed every 2 ft.

Conductors				Cable		
Size	# of Strands	Color	Insulated Green Ground Wire Size	Signal and/or Control Cable	Approx. Overall Diameter (in)	Approx. Net Wt Lbs / 1000'
12/2	Solid	● ○   ● ●	12 AWG	16/2 Solid	0.475	172.0
12/3	Solid	● ○ ●   ● ● ●	12 AWG	16/2 Solid	0.502	202.5
12/4	Solid	● ○ ● ●   ● ● ● ●	12 AWG	16/2 Solid	0.539	230.5
10/2	Solid	● ○   ● ●	10 AWG	16/2 Solid	0.535	155.0
10/3	Solid	● ○ ●   ● ● ●	10 AWG	16/2 Solid	0.580	182.0
12/2	19	● ○   ● ●	12 AWG	16/2 Solid	0.490	177.2
12/3	19	● ○ ●   ● ● ●	12 AWG	16/2 Solid	0.534	208.6
10/2	19	● ○   ● ●	10 AWG	16/2 Solid	0.562	162.0

### Color Key:

- Black
- White
- Red
- Blue
- Brown
- Grey
- Orange
- Yellow

Data are approximate and subject to normal manufacturing tolerances.

It is the sole responsibility of the end user to determine suitability of this product for its intended use and application.

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