

MC Healthcare Lighting (MC-PCS HCF)

AL

**Aluminum
Armor**

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

Solid or Stranded Conductors
600V
90°C Dry

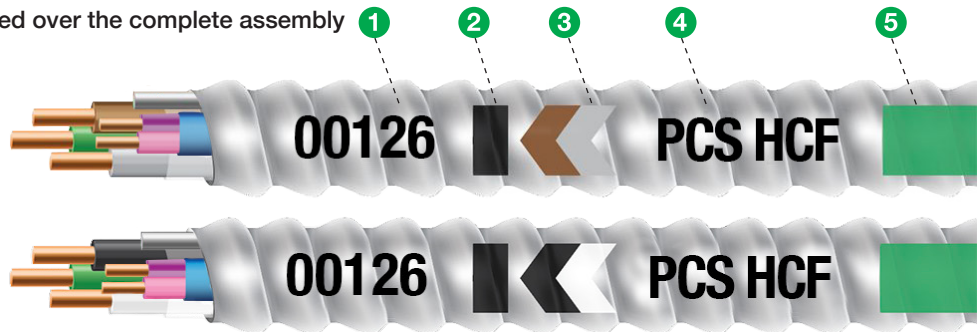
Description:

Metal-Clad Cable with two-, or three-circuit THHN/THWN-2 conductors, a green insulated ground, in addition to a bare aluminum grounding/bonding conductor that is cabled on the outside of the separator tape, allowing it to be in constant contact with the armor to serve as a redundant grounding path. There is also a signal and/or control assembly comprising two, 16 AWG TFN conductors with an outer PVC jacket. Intended for use in accordance with the National Electrical Code®. Conductor constructions have the insulated conductors cabled together with a separator tape, displaying the identification print legend, and wrapped around the assembly. 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, B787
Insulation: Nylon (polyamide) color-coded THHN/THWN-2. Sizes 12 AWG
Signal and/or Control Assembly: Single unshielded twisted pair; FR-PVC jacket; 16 AWG TFN conductors
Bare Grounding/Bonding Conductor: 8000 series aluminum alloy per ASTM B800. Size 10 AWG.
Armor: Aluminum alloy interlocked armor applied over the complete assembly

Features:



Standards:

UL1569: E38918
 UL83, 1581, 2556: E15119
 ASTM B3, B8, B787, B800
 FT4/IEEE 1202
 NFPA 70 (National Electric Code), Article 330
 Federal Specification A-A59544

Armor Coding System*:

- 1 **Sequential Footage:**
Shown every two feet
- 2 **Footage Marker:**
Black Line = aluminum armor
- 3 **Chevron Colors:** Indicate number & color of conductors
Chevron Direction: Indicates recommended pull direction
- 4 **Cable Size:** Indicates wire gauge & number of conductors
- 5 **Green Stripe:** Indicates Healthcare MC Cable

*PATENT PENDING

Conductors				Cable		
Size	# of Strands	Color	Bare Aluminum Ground/Bonding Wire	Single and/or Control Cable	Approx. Overall Diameter (in)	Approx. Net Wt Lbs/1000'
12/2	Solid	● ○ ● ●	10 AWG	16/2 Solid	0.475	172.0
12/3	Solid	● ○ ● ● ● ●	10 AWG	16/2 Solid	0.502	202.5
12/2	19	● ○ ● ●	10 AWG	16/2 Solid	0.475	172.0
12/3	19	● ○ ● ● ● ●	10 AWG	16/2 Solid	0.502	202.5

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.

