

# MC Luminary HCF® Lite

Interlocked Aluminum Armor - Type MC-PCS - Health Care Facilities



## Armor

- Interlocked Aluminum Strip
- Color-Coded Lime Green

## Conductors

- Solid or Stranded Copper (Power)
- Solid Copper (Control)

## Conductors Insulation

- THHN/THWN w/ Protective Polypropylene Covering (Power)
- TFN (Control)

## Assembly Covering

- Wrap Free design

## Neutral Conductor

- White 120/208V
- Gray 277/480V

## Grounding

- Dual Grounding Means:
  - Combined Armor and Full-Sized Aluminum Ground/Bond Wire
  - Insulated Green Copper Grounding Conductor

## Control Cables

- 16 AWG Solid TFN Twisted jacketed pair (Purple/Pink)

## Maximum Voltage Rating

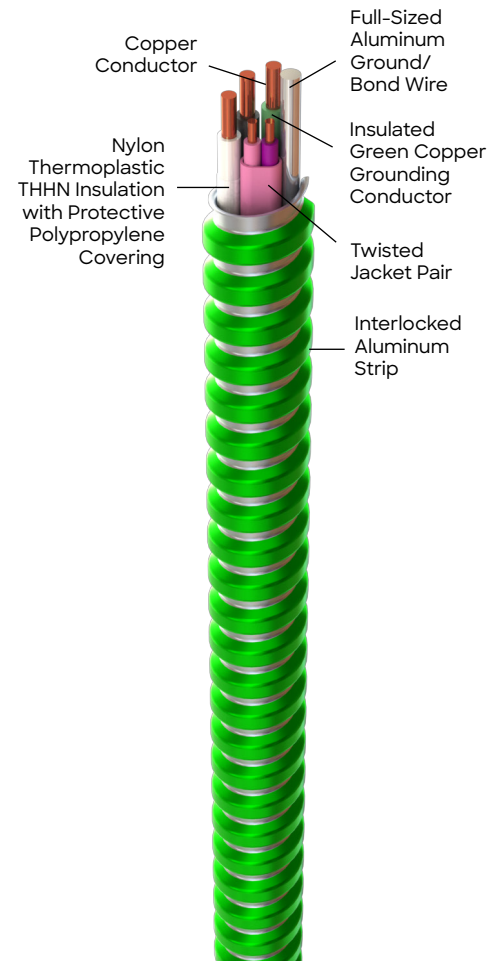
- 600V

## Maximum Temperature Rating

- 90°C (Dry)

## References & Ratings

- UL 66, 83, 1479, 1569, 1581, 2556, File Reference E80042
- NEC® 250.118(I), 300.22(C), 330, 392, 396, 501, 502, 503, 504, 505, 518, 520, 530, 645, 725.136(I)(1)
- NEC® 300.22 (C) Other Spaces Used For Environmental Air (Plenums)
- Power and/or lighting as well as signal and/or control conductors per NEC® section 725.136 (I)(1)
- UL classified 1, 2, and 3, hour through (Fire) penetration product R14141
- Cable tray rated, install per NEC®
- Federal Specification A-A-59544 (formerly J-C-30B)
- Meets all applicable OSHA and HUD requirements
- May be surface mounted, fished and /or embedded in plaster
- Made in USA of US and /or imported materials
- Aluminum armored cables are RoHS compliant
- U.S. Patent 8,088,977 | 10,431,353



Conductor						Product Code		Approx. Weight	Approx. Armor O.D.
Trade Size	Phase Conductor AWG (Color)	Neutral Conductor AWG (Color)	Grounding Conductor AWG (Color)	Bare Alum. Bonding/Bond Wire AWG	Control Conductors AWG (Colors)	250' Coil	1000' Reel	(lb/1000ft)	(in)
<b>Solid Power</b>									
12-2	12-1 Solid (Black)	12-1 Solid (White)	12-1 Solid (Green)	10-1 Solid	16-2 Solid (TPJ) (Purple, Pink)	LH04-42-L00	LH04-60-L00	207	0.708
12-2	12-1 Solid (Brown)	12-1 Solid (Gray)	12-1 Solid (Green)	10-1 Solid	16-2 Solid (TPJ) (Purple, Pink)	LH04-42-L01	LH04-60-L01	207	0.708
12-2	12-1 Solid (Orange)	12-1 Solid (Gray)	12-1 Solid (Green)	10-1 Solid	16-2 Solid (TPJ) (Purple, Pink)	LH04-42-L02	LH04-60-L02	207	0.708
12-2	12-1 Solid (Yellow)	12-1 Solid (Gray)	12-1 Solid (Green)	10-1 Solid	16-2 Solid (TPJ) (Purple, Pink)	LH04-42-L03	LH04-60-L03*	207	0.708
12-2	12-1 Solid (Red)	12-1 Solid (White)	12-1 Solid (Green)	10-1 Solid	16-2 Solid (TPJ) (Purple, Pink)	LH04-42-L04*	LH04-60-L04*	207	0.708
12-2	12-1 Solid (Blue)	12-1 Solid (White)	12-1 Solid (Green)	10-1 Solid	16-2 Solid (TPJ) (Purple, Pink)	LH04-42-L05*	LH04-60-L05*	207	0.708
12-3	12-2 Solid (Black, Red)	12-1 Solid (White)	12-1 Solid (Green)	10-1 Solid	16-2 Solid (TPJ) (Purple, Pink)	LH05-42-L00	LH05-60-L00	238	0.756
12-3	12-2 Solid (Brown, Orange)	12-1 Solid (Gray)	12-1 Solid (Green)	10-1 Solid	16-2 Solid (TPJ) (Purple, Pink)	LH05-42-L01	LH05-60-L01	238	0.756
10-2	10-1 Solid (Black)	10-1 Solid (White)	10-1 Solid (Green)	8-1 Solid	16-2 Solid (TPJ) (Purple, Pink)	LH07-42-L00*	LH07-60-L00*	268	0.783
10-2	10-1 Solid (Brown)	10-1 Solid (Gray)	10-1 Solid (Green)	8-1 Solid	16-2 Solid (TPJ) (Purple, Pink)	LH07-42-L01*	LH07-60-L01*	268	0.783
<b>Stranded Power</b>									
12-2	12-1 Stranded (Black)	12-1 Stranded (White)	12-1 Stranded (Green)	10-1 Solid	16-2 Solid (TPJ) (Purple, Pink)	LH58-42-L00	LH58-60-L00*	213	0.725
12-2	12-1 Stranded (Brown)	12-1 Stranded (Gray)	12-1 Stranded (Green)	10-1 Solid	16-2 Solid (TPJ) (Purple, Pink)	LH58-42-L01*	LH58-60-L01*	213	0.725

Note: All dimensions and weights are subject to normal manufacturing tolerances. Also available with Steel armor. Other conductor colors available by special order.

\*Special Order, subject to lead times and minimum order quantities

MC Luminary Cable is intended for use in non-shielded applications. Use with an MCI-A listed Connector