



## **MC LUMINARY HCF LITE™ CABLES** \*U.S. Patent No. 8,088,997 & Patent Pending

Type MC-PCS Health Care Facilities (Aluminum)

### **ARMOR**

Interlocked Aluminum Strip (Light green striped)

### **CONDUCTORS**

Solid/Stranded Copper

### **CONDUCTOR INSULATION**

THHN + Protective Polypropylene Cover (Power)

TFN (Control)

### **MAXIMUM TEMPERATURE RATING**

90°C (Dry)

### **GROUNDING**

Two grounding means - (1) Combined armor and full-sized aluminum ground conductor

(2) Full-sized green insulated copper grounding conductor  
NEC® 250.118(10)(b)

### **NEUTRAL CONDUCTOR**

White 120/208V

Gray 277/480V

### **CONTROL CABLES**

16 AWG Solid TFN Twisted Blue jacketed pair (Purple/Gray)

### **MAXIMUM VOLTAGE RATING**

600V

### **REFERENCES & RATINGS**

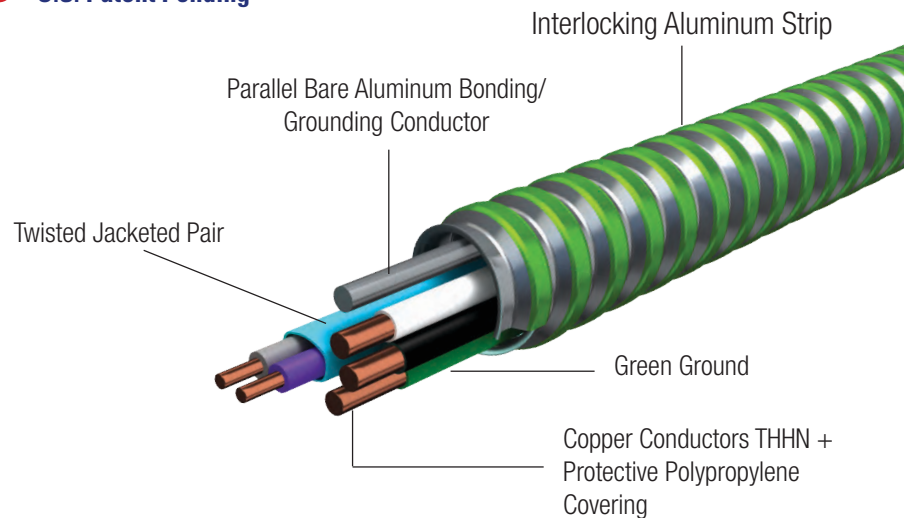
- UL 66, 83, 1479, 1569, 1581, 2556, File Reference E80042
- NEC® 330, 250.118, 300.22(C), 392, 396, 330, 501, 502, 503, 530, 504, 505, 517, 518, 520, 530, 645, 690.31(E), 725
- Permits conductors of control circuits to be placed in a cable with conductors of electric light, power, or Class 1 circuits
- Federal Specification A-A-59544 (formerly J-C-30B)
- Meets all applicable OSHA and HUD Requirements
- Cable Tray Rated, install per NEC®
- UL Classified 1, 2, and 3 hour through penetration (Fire Stop) product, R14141
- Environmental Air-Handling Space Installation per NEC® 300.22(C)
- Power and/or lighting as well as signal and/or control conductors per NEC Section 725.136(l)(1)
- Made in USA of US and/or imported materials
- U.S. Patent No. 8,088,997 & Patent Pending

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Type MC-PCS Health Care Facilities (Aluminum)

## BENEFITS

- Approved for use in patient care areas per NEC 517.13
- May be surface mounted, fished and/or embedded in plaster
- Save up to 30% labor and installation costs compared to traditional wiring methods
- Parallel bonding/grounding conductor for faster termination



PRODUCT CODE		TRADE SIZE	STOCK VS MADE TO ORDER	COPPER CONDUCTOR TYPE	GROUNDING CONDUCTOR AWG COLOR	BARE ALUM. BONDING/ BOND COND. AWG	LENGTH (FT)		APPROX. WEIGHT LBS/1,000FT	APPROX. ARMOR O.D. INCHES
COIL	REEL						COIL	REEL		
<b>MC LUMINARY® HCF CABLE - SOLID</b>										
LH04-42-500	LH04-60-500	16-2 (1TPJ) (Purple, Gray) 12-2 (Black, White)	Stock	Solid	12 (Green)	10	250	1000	196.8	0.708
LH04-42-504	LH04-60-504	16-2 (1TPJ) (Purple, Gray) 12-2 (Red, White)	Made to Order*	Solid	12 (Green)	10	250	1000	196.8	0.708
LH04-42-505	LH04-60-505	16-2 (1TPJ) (Purple, Gray) 12-2 (Blue, White)	Made to Order*	Solid	12 (Green)	10	250	1000	196.8	0.708
LH04-42-501	LH04-60-501	16-2 (1TPJ) (Purple, Gray) 12-2 (Brown, Gray)	Stock	Solid	12 (Green)	10	250	1000	196.8	0.708
LH04-42-502	LH04-60-502	16-2 (1TPJ) (Purple, Gray) 12-2 (Orange, Gray)	Made to Order*	Solid	12 (Green)	10	250	1000	196.8	0.708
LH04-42-503	LH04-60-503	16-2 (1TPJ) (Purple, Gray) 12-2 (Yellow, Gray)	Made to Order*	Solid	12 (Green)	10	250	1000	196.8	0.708
LH05-42-500	LH05-60-500	16-2 (1TPJ) (Purple, Gray) 12-3 (Black, Red, White)	Stock	Solid	12 (Green)	10	250	1000	226.9	0.751
LH05-42-501	LH05-60-501	16-2 (1TPJ) (Purple, Gray) 12-3 (Brown, Orange, Gray)	Made to Order*	Solid	12 (Green)	10	250	1000	226.9	0.751
LH07-42-500	LH07-60-500	16-2 (1TPJ) (Purple, Gray) 10-2 (Black, White)	Stock	Solid	10 (Green)	8	250	1000	256.4	0.758
LH07-42-501	LH07-60-501	16-2 (1TPJ) (Purple, Gray) 10-2 (Brown, Gray)	Made to Order*	Solid	10 (Green)	8	250	1000	256.4	0.758
<b>MC LUMINARY® HCF CABLE - STRANDED</b>										
LH58-42-500	LH58-60-500	16-2 (1TPJ) (Purple, Gray) 12-2 (Black, White)	Stock	Stranded	12 (Green)	10	250	1000	202.4	0.725

Use with fitting listed and marked for use with MCI-A

Other custom constructions available, also available with steel armor, subject to minimums and manufacturing lead-times; contact your AFC Representative for more information.

MC Luminary Cable® is intended for use in non shielded applications

\* Subject to minimums and manufacturing lead times