

# HCF-Lite® Aluminum Healthcare Facilities Cable

## Type AC (120/208V & 277/480V) Technical Specifications

### Armor & Jacket

Aluminum Interlocked (Green Striped) with ColorSpec® ID

### Conductors

Solid/Stranded Copper (See Below)

### Conductor Insulation

TTHN

### Conductor Insulation Covering

Moisture Resistant Fire Retardant Paper Wrap

### Maximum Temperature Rating

90°C (Dry) Type ACTHH

### Grounding

16 AWG Integral Bond Wire/Armor Combination per 250.118(8) and Green Insulated Copper Grounding Conductor per 250.118(1)

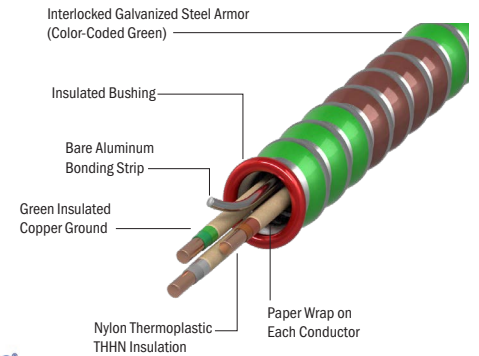
### Neutral Conductor

White 120/208V

Gray 277/480V

### Maximum Voltage Rating

600V



### References & Ratings

- UL 4, 83, 1479, 1581, 2556, File Reference E7330
- NEC® 250.118(8), 300.22(C), 320, 392, 517.13, 518, 645
- 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 (Fire) penetration product, R14141
- NEC® 300.22(C) Environmental Air Handling Spaces (Plenum)
- Aluminum armored cables are RoHS Compliant
- U.S. Patent No. 8,278,554 B2
- Made in USA of US and/or imported materials

Product Code Stock Items		Trade Size	Grounding Conductor AWG	Length (ft)		Approx. Weight/ 1,000ft (lb)	Approx. Armor O.D. (in)
Coil	Reel			Coil	Reel		
<b>120/208V</b>							
2804G42-00	2804G60-00	12-2 Solid (Black, White)	12 Solid (Green)	250	1000	132	0.535
2805G42-00	2805G60-00	12-3 Solid (Black, Red, White)	12 Solid (Green)	250	1000	171	0.625
2806G42-00	2806G60-00	12-4 Solid (Black, Red, Blue, White)	12 Solid (Green)	250	1000	195	0.610
2807G42-00	2807G60-00	10-2 Solid (Black, White)	10 Solid (Green)	250	1000	185	0.599
2808G42-00	2808G60-00	10-3 Solid (Black, Red, White)	10 Solid (Green)	250	1000	232	0.653
2809G42-00	2809G60-00	10-4 Solid (Black, Red, Blue, White)	10 Solid (Green)	250	1000	279	0.752
<b>120/208V Stranded</b>							
2858G42-00	2858G60-00	12-2 Stranded (Black, White)	12 Stranded (Green)	250	1000	141	0.568
2859G42-00	2859G60-00	12-3 Stranded (Black, Red, White)	12 Stranded (Green)	250	1000	171	0.594
2860G42-00	2860G60-00	12-4 Stranded (Black, Red, Blue, White)	12 Stranded (Green)	250	1000	211	0.695
<b>120/208V Specialty Colors</b>							
2804G42-04	2804G60-04	12-2 Solid (Red, White)	12 Solid (Green)	250	1000	132	0.535
2804G42-05	2804G60-05	12-2 Solid (Blue, White)	12 Solid (Green)	250	1000	132	0.535
<b>480Y/277V</b>							
2804G42-01	2804G60-01	12-2 Solid (Brown, Gray)	12 Solid (Green)	250	1000	132	0.535
2804G42-02	2804G60-02	12-2 Solid (Orange, Gray)	12 Solid (Green)	250	1000	132	0.535
2804G42-03	2804G60-03	12-2 Solid (Yellow, Gray)	12 Solid (Green)	250	1000	132	0.535
2805G42-01	2805G60-01	12-3 Solid (Brown, Orange, Gray)	12 Solid (Green)	250	1000	171	0.625
2806G42-01	2806G60-01	12-4 Solid (Brown, Orange, Yellow, Gray)	12 Solid (Green)	250	1000	195	0.610
<b>480Y/277V Stranded</b>							
2858G42-01	2858G60-01	12-2 Stranded (Brown, Gray)	12 Stranded (Green)	250	1000	141	0.568

NOTE: All dimensions and weights are subject to normal manufacturing tolerances.  
 Not to be used with set screw type fittings or on DC circuits.  
 Sizes 14 AWG, 8 AWG, & larger are available by special order and subject to lead time and minimum quantities.  
 Not to be used with setscrew type fittings or on DC circuits.

**Emergency circuits require special consideration in healthcare settings.  
 Review NEC® 517.30 (C)(3)(3) for guidance on the use of HCF cables on emergency circuits.**

**See page 68 for bond wire termination details.**