

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

THHN

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)

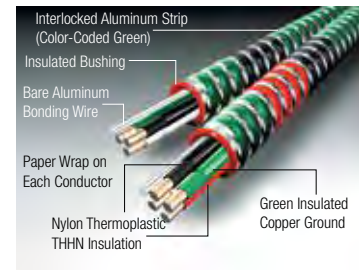
Neutral Conductor

White 120/208V

Gray 277/480V

Maximum Voltage Rating

600V



AC CABLES

References & Ratings

- UL 4, 83, 1479, 1581, 2556, File Reference E7330
- NEC® 250.118(8), 300.22(C), 392, 320, 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
- Environmental Air-Handling Space Installation per NEC® 300.22(C)
- 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 (lbs)	Approx. Armor O.D. (in)
Coil	Reel			Coil	Reel		
HCF® Lite Aluminum Healthcare Facilities Cable							
120/208V							
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 Stranded (Black, White)	12 Solid (Green)	250	1000	185	0.599
2808G42-00	2808G60-00	10-3 Stranded (Black, Red, White)	12 Solid (Green)	250	1000	232	0.653
2809G42-00	2809G60-00	10-4 Stranded (Black, Red, Blue, White)	12 Solid (Green)	250	1000	279	0.752
120/208V Stranded							
2858G42-00	2858G60-00	12-2 Stranded (Black, White)	10 Stranded (Green)	250	1000	141	0.568
2859G42-00	2859G60-00	12-3 Stranded (Black, Red, White)	10 Stranded (Green)	250	1000	171	0.594
2860G42-00	2860G60-00	10-2 Stranded (Black, Red, Blue, White)	10 Stranded (Green)	250	1000	211	0.695
120/208V Specialty Colors							
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
480Y/277V							
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

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 61 for bond wire termination details.