

HCF-Lite® Aluminum Healthcare Facilities Cable – Type AC (120/208V & 480Y/277V) Technical Specifications

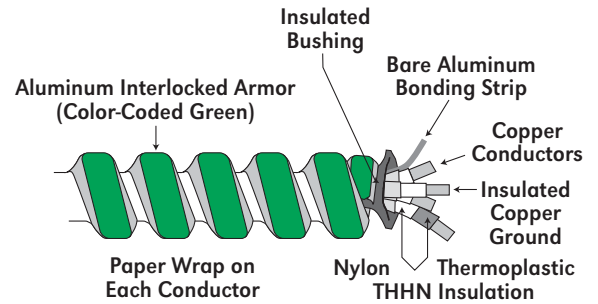


Specification Description

Specification	HCF-Lite® ColorSpec ID System®
Armor	Aluminum Interlocking Strip (green striped)
Conductors	Solid/Stranded Copper (see below)
Conductor Insulation	THHN
Conductor Insulation Covering	Moisture resistant Fire Retardant Paper Wrap
Maximum Temperature Rating	90°C (dry)
Grounding	16 AWG integral Bond Wire/Armor combination and insulated green copper 250.118(B) grounding conductor 250.118(1)
Neutral Conductor	White 120/208V / Grey 480Y/277V
Maximum Voltage Rating	600V

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, R-14141
- Environmental Air-Handling Space Installation per NEC® 300.22(C)
- Aluminum armored cables are RoHS Compliant
- Made in USA of US and/or imported materials



Product Codes, Trade Sizes, Conductors, Packaging & Weights

Product Code		Trade Size	Grounding Conductor AWG	Length (feet)		Approx. Weight/1000 Feet (lbs.)	Armor Minimum O.D. (inches)
Coil	Reel			Coil	Reel		
120/208V							
2804G42-00	2804G60-00	12-2 Solid (black,white)	12 solid	250'	1000'	130	0.489
2805G42-00	2805G60-00	12-3 Solid (black,red,white)	12 solid	250'	1000'	155	0.520
2806G42-00	2806G60-00	12-4 Solid (black,red, blue,white)	12 solid	250'	1000'	185	0.545
2858G42-00	2858G60-00	12-2 Stranded (black,white)	12 stranded	250'	1000'	130	0.489
2859G42-00	2859G60-00	12-3 Stranded (black,red,white)	12 stranded	250'	1000'	155	0.520
2860G42-00	2860G60-00	12-4 Stranded (black,red, blue,white)	12 stranded	250'	1000'	185	0.545
2807G42-00	2807G60-00	10-2 Solid (black,white)	10 solid	250'	1000'	180	0.500
2808G42-00	2808G60-00	10-3 Solid (black,red,white)	10 solid	250'	1000'	225	0.541
2809G42-00	2809G60-00	10-4 Solid (black,red, blue,white)	10 solid	250'	1000'	275	0.587
120/208V Specialty Colors							
2804G42-04	2804G60-04	12-2 Solid (red, white)	12 solid	250'	1000'	130	0.489
2804G42-05	2804G60-05	12-2 Solid (blue, white)	12 solid	250'	1000'	130	0.489
480Y/277V							
2804G42-01	2804G60-01	12-2 Solid (brown)	12 solid	250'	1000'	130	0.489
2804G42-02	2804G60-02	12-2 Solid (orange)	12 solid	250'	1000'	130	0.489
2804G42-03	2804G60-03	12-2 Solid (yellow)	12 solid	250'	1000'	130	0.489
2805G42-01	2805G60-01	12-3 Solid (brown, orange)	12 solid	250'	1000'	155	0.5201
2806G42-01	2806G60-01	12-4 Solid (brown, orange, yellow)	12 solid	250'	1000'	185	0.545

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.

**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 45 for bond wire termination details.