

HCF-Lite[®] Aluminum Healthcare Facilities Cable (120V) Cable Technical Specifications

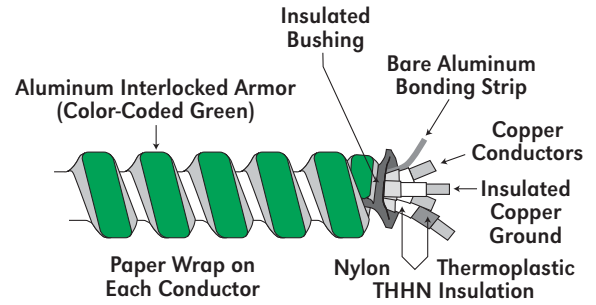


Specification Description

Specification	HCF-Lite ColorSpec ID System [®]
Armor	Aluminum Interlocking Strip (green striped)
Conductors	Solid/Stranded Copper (see below)
Conductor Insulation	THHN
Conductor Insulation Covering	Paper Wrap
Maximum Temperature Rating	90°C (dry)
Grounding	16AWG integral Bond Wire/Armor combination plus insulated green grounding conductor (2 grounding means)
Neutral Conductor	White
Maximum	600V

References & Ratings

- U.L. 4, 83, 1479, 1581, File Reference E7330
- NEC 250.118, 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 installations per NEC
- U.L. Classified 1, 2 and 3-hour Through-Penetration Fire Wall File R-14929
- Environmental Air-Handling Space installation



AFC's ColorSpec ID System[®]

	Additional black stripe denotes 2 conductor cable		Additional red and white stripes denote special 2 conductor cable
	Additional black and red stripe denotes 3 conductor cable		Additional light blue and white stripes denote special 2 conductor cable
	Additional black, red and light blue stripes denote 4 conductor cable		Additional red, light blue and white stripes denote special 3 conductor cable
			Additional black, light blue and white stripes denote special 3 conductor cable

Product Codes, Trade Sizes, Conductors, Packaging & Weights

Product Code	Coil	Reel	Trade Size	Grounding Conductor AWG	Length (feet)		Approx. Weight/1000 Feet (lbs.)	Armor Minimum O.D. (inches)
					Coil	Reel		
Stock Items								
2804G42-00		2804G60-00	12-2 Solid	12	250'	1000'	130	0.489
2805G42-00		2805G60-00	12-3 Solid	12	250'	1000'	155	0.520
2806G42-00		2806G60-00	12-4 Solid	12	250'	1000'	185	0.545
2858G42-00		2858G60-00	12-2 Stranded	12	250'	1000'	130	0.489
2859G42-00		2859G60-00	12-3 Stranded	12	250'	1000'	155	0.520
2860G42-00		2860G60-00	12-4 Stranded	12	250'	1000'	185	0.545
2807G32-00		—	10-2 Solid	10	125'	—	180	0.500
2808G32-00		—	10-3 Solid	10	125'	—	225	0.541
2809G32-00		—	10-4 Solid	10	125'	—	275	0.587
2807G42-00		2807G60-00	10-2 Solid	10	250'	1000'	180	0.500
2808G42-00		2808G60-00	10-3 Solid	10	250'	1000'	225	0.541
2809G42-00		2809G60-00	10-4 Solid	10	250'	1000'	275	0.587
Specialty Colors								
2804G42-04		2804G60-04	12-2 Solid (red, white)	12	250'	1000'	130	0.489
2804G42-05		2804G60-05	12-2 Solid (blue, white)	12	250'	1000'	130	0.489
2805G42-04		2805G60-04	12-3 Solid (red, blue, white)	12	250'	1000'	155	0.520
2805G42-05		2805G60-05	12-3 Solid (black, blue, white)	12	250'	1000'	155	0.520

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 available by special order and subject to lead time and minimum quantities.

WARNING: DO NOT RE-IDENTIFY CONDUCTOR COLORS.

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 38 for bond wire termination details.