

# HCF-Lite<sup>®</sup> Aluminum Healthcare Facilities Cable (120V) Cable Technical Specifications

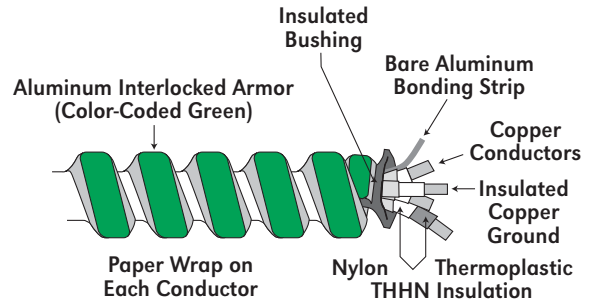


## Specification Description

Specification	HCF-Lite ColorSpec ID System <sup>®</sup>
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<sup>®</sup>

	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		
<b>Stock Items</b>								
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
<b>Specialty Colors</b>								
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.**