

HCF-90[®] Steel Healthcare Facilities Cable (120V) Cable Technical Specifications

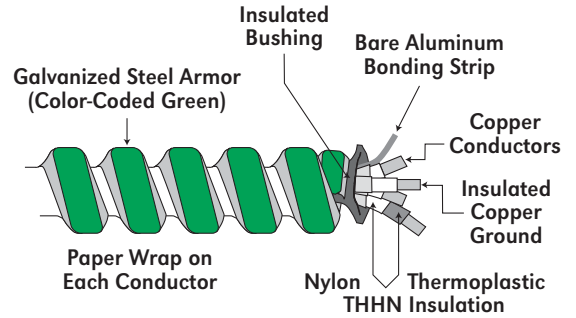


Specification Description

Specification	HCF-90 ColorSpec ID System[®]
Armor	Galvanized Interlocking Steel Strip (green striped)
Conductors	Solid Copper
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 Voltage Rating	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 black, and red stripe denotes 3 conductor cable
- Additional black, red and light blue stripes denote 4 conductor cable
- Additional red and white stripes denote special 2 conductor cable
- Additional light blue and white stripes denote special 2 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								
1504G42-00		1504G60-00	12-2 Solid	12	250'	1000'	220	0.489
1505G42-00		1505G60-00	12-3 Solid	12	250'	1000'	260	0.520
1506G42-00		1506G60-00	12-4 Solid	12	250'	1000'	300	0.545
1507G32-00		1507G60-00	10-2 Solid	10	125'	1000'	290	0.500
1508G32-00		1508G60-00	10-3 Solid	10	125'	1000'	345	0.541
1509G32-00		1509G60-00	10-4 Solid	10	125'	1000'	405	0.587
1507G42-00		—	10-2 Solid	10	250'	—	290	0.500
1508G42-00		—	10-3 Solid	10	250'	—	345	0.541
1509G42-00		—	10-4 Solid	10	250'	—	405	0.587
Specialty Colors								
1504G42-04		1504G60-04	12-2 Solid (red, white)	12	250'	1000'	220	0.489
1504G42-05		1504G60-05	12-2 Solid (blue, white)	12	250'	1000'	220	0.489

NOTE: All dimensions and weights are subject to normal manufacturing tolerances. 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.