



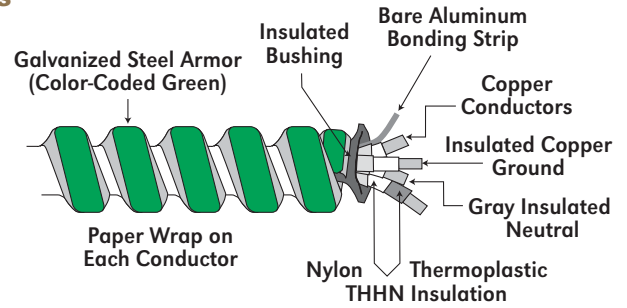
# HCF-90<sup>®</sup> Steel Healthcare Facilities Cable (480Y/277V) Cable Technical Specifications

## Specification Description

<b>Specification</b>	<b>HCF-90 ColorSpec ID System<sup>®</sup></b>
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	Gray
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<sup>®</sup>

- Additional brown stripe denotes 2 conductor cable (brown conductor)
- Additional orange stripe denotes 2 conductor cable (orange conductor)
- Additional yellow stripe denotes 2 conductor cable (yellow conductor)
- Additional brown and orange stripes denote 3 conductor cable
- Additional brown, orange and yellow stripes denote 4 conductor cable

## 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		
1504G42-01	1504G60-01	12-2 Solid (brown)	12	250'	1000'	220	0.489
1504G42-02	1504G60-02	12-2 Solid (orange)	12	250'	1000'	220	0.489
1504G42-03	1504G60-03	12-2 Solid (yellow)	12	250'	1000'	220	0.489
1505G42-01	1505G60-01	12-3 Solid (brown, orange)	12	250'	1000'	260	0.520
1506G42-01	1506G60-01	12-4 Solid (brown, orange, yellow)	12	250'	1000'	300	0.545

NOTE: All dimensions and weights are subject to normal manufacturing tolerances. Other conductor colors available by special order. 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.**