

HCF-90[®] Steel Healthcare Facilities Cable – (120/208V & 480Y/277V) Technical Specifications

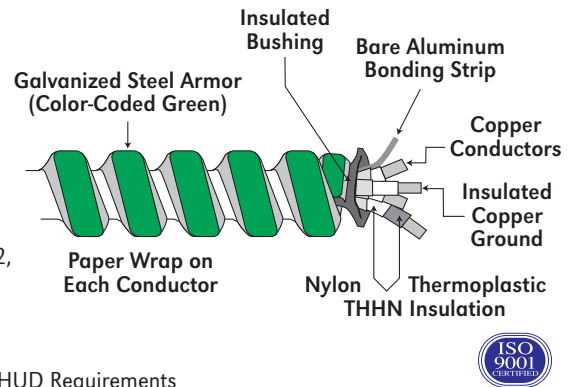


Specification Description

Specification	HCF-90 [®] ColorSpec [®] ID System
Armor	Galvanized Interlocking Steel Strip (green striped)
Conductors	Solid Copper
Conductor Insulation	THHN
Conductor Insulation Covering	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)
- Made in USA of US and/or imported materials



Product Codes, Trade Sizes, Conductors, Packaging & Weights

Product Code Coil	Product Code Reel	Trade Size	Grounding Conductor AWG	Length (feet)		Approx. Weight/ 1000 Feet (lbs.)	Armor Minimum O.D. (inches)
				Coil	Reel		
120/208V							
1504G42-00	1504G60-00	12-2 Solid (black,white)	12 solid	250'	1000'	220	0.489
1505G42-00	1505G60-00	12-3 Solid (black,red,white)	12 solid	250'	1000'	260	0.520
1506G42-00	1506G60-00	12-4 Solid (black,red, blue,white)	12 solid	250'	1000'	300	0.545
1507G42-00	1507G60-00	10-2 Solid (black,white)	10 solid	250'	—	290	0.500
1508G42-00	1508G60-00	10-3 Solid (black,red,white)	10 solid	250'	—	345	0.541
1509G42-00	1509G60-00	10-4 Solid (black,red, blue,white)	10 solid	250'	—	405	0.587
120/208V Specialty Colors							
1504G42-04	1504G60-04	12-2 Solid (red, white)	12 solid	250'	1000'	220	0.489
1504G42-05	1504G60-05	12-2 Solid (blue, white)	12 solid	250'	1000'	220	0.489
480Y/277V							
1504G42-01	1504G60-01	12-2 Solid (brown)	12 solid	250'	1000'	220	0.489
1504G42-02	1504G60-02	12-2 Solid (orange)	12 solid	250'	1000'	220	0.489
1504G42-03	1504G60-03	12-2 Solid (yellow)	12 solid	250'	1000'	220	0.489
1505G42-01	1505G60-01	12-3 Solid (brown, orange)	12 solid	250'	1000'	260	0.520
1506G42-01	1506G60-01	12-4 Solid (brown, orange, yellow)	12 solid	250'	1000'	300	0.545

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