

Type AC HCF-90® Steel Healthcare Facilities Cable (120/208V Colors & 277/480V Colors) Technical Specifications

Armor & Jacket

Interlocked Galvanized 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) Type ACTHH

Grounding

16 AWG Integral Bond Wire/Armor Combination per 250.118(8) and Green Insulated Copper Grounding Conductor per 250.118(1)

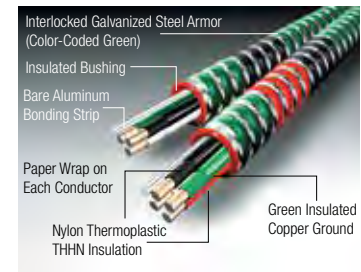
Neutral Conductor

White 120/208V

Gray 277/480V

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, R14141
- Environmental Air-Handling Space Installation per NEC® 300.22(C)
- U.S. Patent No. 8,278,554 B2
- Made in USA of US and/or imported materials

Product Code Stock Items		Trade Size	Grounding Conductor AWG	Length (ft)		Approx. Weight/ 1,000ft (lbs)	Approx. Armor O.D. (in)
Coil	Reel			Coil	Reel		
120/208V Solid							
1504G42-00	1504G60-00	12-2 Solid (Black, White)	12 Solid (Green)	250	1000	235	0.535
1505G42-00	1505G60-00	12-3 Solid (Black, Red, White)	12 Solid (Green)	250	1000	279	0.582
1506G42-00	1506G60-00	12-4 Solid (Black, Red, Blue, White)	12 Solid (Green)	250	1000	320	0.621
1507G42-00	1507G60-00	10-2 Solid (Black, White)	10 Solid (Green)	250	1000	309	0.610
1508G42-00	1508G60-00	10-3 Solid (Black, Red, White)	10 Solid (Green)	250	1000	383	0.696
1509G42-00	1509G60-00	10-4 Solid (Black, Red, Blue, White)	10 Solid (Green)	250	1000	426	0.752
120/208V Specialty Colors							
1504G42-04	1504G60-04	12-2 Solid (Red, White)	12 Solid (Green)	250	1000	235	0.535
1504G42-05	1504G60-05	12-2 Solid (Blue, White)	12 Solid (Green)	250	1000	235	0.535
277/480V Solid							
1504G42-01	1504G60-01	12-2 Solid (Brown, Gray)	12 Solid (Green)	250	1000	235	0.535
1504G42-02	1504G60-02	12-2 Solid (Orange, Gray)	12 Solid (Green)	250	1000	235	0.535
1504G42-03	1504G60-03	12-2 Solid (Yellow, Gray)	12 Solid (Green)	250	1000	235	0.535
1505G42-01	1505G60-01	12-3 Solid (Brown, Orange, Gray)	12 Solid (Green)	250	1000	279	0.582
1506G42-01	1506G60-01	12-4 Solid (Brown, Orange, Yellow, Gray)	12 Solid (Green)	250	1000	320	0.621
1507G42-01	1507G60-01	10-2 Solid (Brown, Gray)	10 Solid (Green)	250	1000	300	0.545
1508G42-01	1508G60-01	10-3 Solid (Brown, Orange, Gray)	10 Solid (Green)	250	1000	309	0.610
1509G42-01	1509G60-01	10-4 Solid (Brown, Orange, Yellow, Gray)	10 Solid (Green)	250	1000	426	0.752

NOTE: All dimensions and weights are subject to normal manufacturing tolerances. Sizes 14 AWG, 8 AWG and 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 61 for bond wire termination details.