

# 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)

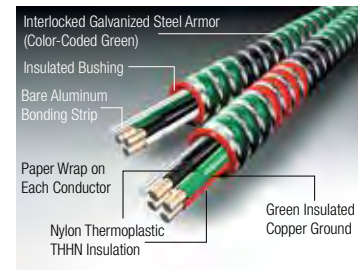
**Neutral Conductor**

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 |                               |                         |
| <b>120/208V Solid</b>            |            |  |                         |             |      |                               |                         |
| 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                   |
| <b>120/208V Specialty Colors</b> |            |  |                         |             |      |                               |                         |
| 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                   |
| <b>277/480V Solid</b>            |            |  |                         |             |      |                               |                         |
| 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.**