

## HCF®-Lite Aluminum Healthcare Facilities Cable

### Type AC (120/208V & 277/480V) Technical Specifications

#### Armor & Jacket

Aluminum Interlocked (Green Striped) with ColorSpec® ID

#### Conductors

Solid/Stranded Copper (See Below)

#### 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)

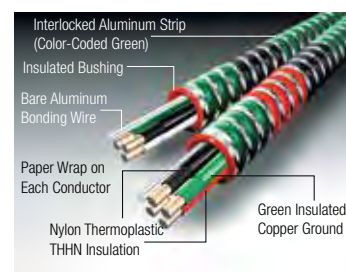
#### Neutral Conductor

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)
- Aluminum armored cables are RoHS Compliant
- 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/<br>1,000ft (lbs) | Approx. Armor O.D.<br>(in) |
|------------------------------------------------|------------|------------------------------------------|-------------------------|-------------|------|----------------------------------|----------------------------|
| Coil                                           | Reel       |                                          |                         | Coil        | Reel |                                  |                            |
| HCF® Lite Aluminum Healthcare Facilities Cable |            |                                          |                         |             |      |                                  |                            |
| 120/208V                                       |            |                                          |                         |             |      |                                  |                            |
| 2804G42-00                                     | 2804G60-00 | 12-2 Solid (Black, White)                | 12 Solid (Green)        | 250         | 1000 | 132                              | 0.535                      |
| 2805G42-00                                     | 2805G60-00 | 12-3 Solid (Black, Red, White)           | 12 Solid (Green)        | 250         | 1000 | 171                              | 0.625                      |
| 2806G42-00                                     | 2806G60-00 | 12-4 Solid (Black, Red, Blue, White)     | 12 Solid (Green)        | 250         | 1000 | 195                              | 0.610                      |
| 2807G42-00                                     | 2807G60-00 | 10-2 Stranded (Black, White)             | 12 Solid (Green)        | 250         | 1000 | 185                              | 0.599                      |
| 2808G42-00                                     | 2808G60-00 | 10-3 Stranded (Black, Red, White)        | 12 Solid (Green)        | 250         | 1000 | 232                              | 0.653                      |
| 2809G42-00                                     | 2809G60-00 | 10-4 Stranded (Black, Red, Blue, White)  | 12 Solid (Green)        | 250         | 1000 | 279                              | 0.752                      |
| 120/208V Stranded                              |            |                                          |                         |             |      |                                  |                            |
| 2858G42-00                                     | 2858G60-00 | 12-2 Stranded (Black, White)             | 10 Stranded (Green)     | 250         | 1000 | 141                              | 0.568                      |
| 2859G42-00                                     | 2859G60-00 | 12-3 Stranded (Black, Red, White)        | 10 Stranded (Green)     | 250         | 1000 | 171                              | 0.594                      |
| 2860G42-00                                     | 2860G60-00 | 10-2 Stranded (Black, Red, Blue, White)  | 10 Stranded (Green)     | 250         | 1000 | 211                              | 0.695                      |
| 120/208V Specialty Colors                      |            |                                          |                         |             |      |                                  |                            |
| 2804G42-04                                     | 2804G60-04 | 12-2 Solid (Red, White)                  | 12 Solid (Green)        | 250         | 1000 | 132                              | 0.535                      |
| 2804G42-05                                     | 2804G60-05 | 12-2 Solid (Blue, White)                 | 12 Solid (Green)        | 250         | 1000 | 132                              | 0.535                      |
| 480Y/277V                                      |            |                                          |                         |             |      |                                  |                            |
| 2804G42-01                                     | 2804G60-01 | 12-2 Solid (Brown, Gray)                 | 12 Solid (Green)        | 250         | 1000 | 132                              | 0.535                      |
| 2804G42-02                                     | 2804G60-02 | 12-2 Solid (Orange, Gray)                | 12 Solid (Green)        | 250         | 1000 | 132                              | 0.535                      |
| 2804G42-03                                     | 2804G60-03 | 12-2 Solid (Yellow, Gray)                | 12 Solid (Green)        | 250         | 1000 | 132                              | 0.535                      |
| 2805G42-01                                     | 2805G60-01 | 12-3 Solid (Brown, Orange, Gray)         | 12 Solid (Green)        | 250         | 1000 | 171                              | 0.625                      |
| 2806G42-01                                     | 2806G60-01 | 12-4 Solid (Brown, Orange, Yellow, Gray) | 12 Solid (Green)        | 250         | 1000 | 195                              | 0.610                      |

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

Not to be used with set screw type fittings or on DC circuits.

Sizes 14 AWG, 8 AWG, & larger are available by special order and subject to lead time and minimum quantities

Not to be used with setscrew type fittings or on DC circuits

**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.**