

# MC Lite® Metal Clad Aluminum Armored Cable

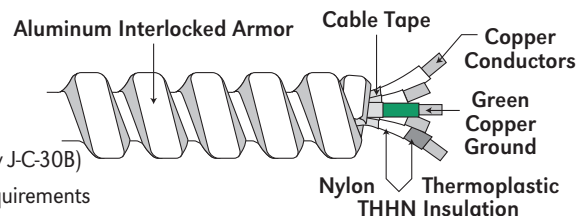
## Traditional Type MC (120/208V & 480Y/277V, 10AWG & Larger) Technical Specifications

### Specification Description

| Specification              | MC Lite®                                                   |
|----------------------------|------------------------------------------------------------|
| Armor                      | Interlocking Aluminum Strip                                |
| Conductors                 | Solid/Stranded Copper                                      |
| Conductor Insulation       | THHN/THWN                                                  |
| Assembly Covering          | Polypropylene Tape                                         |
| Maximum Temperature Rating | 90°C (dry)                                                 |
| Grounding                  | One grounding means – Insulated Green Grounding Conductor  |
| Neutral Conductor          | White for 120/208V circuits<br>Grey for 480Y/277V circuits |
| Maximum Voltage Rating     | 600V                                                       |

### References & Ratings

- UL 83, 1479, 1569, 1581, 2556, File Reference E80042
- NEC® 230.43, 300.22(C), 392, 396, 330, 501, 502, 503, 530, 504, 505, 518, 520, 530, 645
- Federal Specification A-A-59544 (formerly J-C-30B)
- Meets all applicable OSHA and HUD Requirements
- May be surface mounted, fished and/or embedded in plaster
- 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)
- RoHS Compliant
- Made in USA of US and/or imported materials



### 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  |                                 |                             |
| 120/208V Solid Conductor Colors     |            |                                             |                         |               |       |                                 |                             |
| 2107-42-00                          | 2107-60-00 | 10-2 Solid (black, white)                   | 10 (solid green)        | 250'          | 1000' | 160                             | 0.560                       |
| 2108-42-00                          | 2108-60-00 | 10-3 Solid (black, red, white)              | 10 (solid green)        | 250'          | 1000' | 215                             | 0.600                       |
| 2109-42-00                          | 2109-60-00 | 10-4 Solid (black, red, blue, white)        | 10 (solid green)        | 250'          | 1000' | 260                             | 0.645                       |
| 2107-42-04                          | 2107-60-04 | 10-2 Solid (red, white)                     | 10 (solid green)        | 250'          | 1000' | 160                             | 0.560                       |
| 2107-42-05                          | 2107-60-05 | 10-2 Solid (blue, white)                    | 10 (solid green)        | 250'          | 1000' | 160                             | 0.560                       |
| 2108-42-04                          | 2108-60-04 | 10-3 Solid (red, blue, white)               | 10 (solid green)        | 250'          | 1000' | 215                             | 0.600                       |
| 2108-42-05                          | 2108-60-05 | 10-3 Solid (black, blue, white)             | 10 (solid green)        | 250'          | 1000' | 215                             | 0.600                       |
| 120/208V Stranded Conductor Colors  |            |                                             |                         |               |       |                                 |                             |
| 2161-42-00                          | 2161-60-00 | 10-2 Stranded (black, white)                | 10 (stranded green)     | 250'          | 1000' | 160                             | 0.560                       |
| 2162-42-00                          | 2162-60-00 | 10-3 Stranded (black, red, white)           | 10 (stranded green)     | 250'          | 1000' | 215                             | 0.600                       |
| 2163-42-00                          | 2163-60-00 | 10-4 Stranded (black, red, blue, white)     | 10 (stranded green)     | 250'          | 1000' | 260                             | 0.645                       |
| 2115-40-00                          | 2115-45-00 | 8-2 Stranded (black, white)                 | 10 (solid green)        | 200'          | 500'  | 265                             | 0.635                       |
| 2116-40-00                          | 2116-45-00 | 8-3 Stranded (black, red, white)            | 10 (solid green)        | 200'          | 500'  | 335                             | 0.685                       |
| 2117-32-00                          | 2117-45-00 | 8-4 Stranded (black, red, blue, white)      | 10 (solid green)        | 125'          | 500'  | 415                             | 0.835                       |
| 2119-32-00                          | 2119-45-00 | 6-2 Stranded (black, white)                 | 8 (stranded green)      | 125'          | 500'  | 370                             | 0.795                       |
| 2120-32-00                          | 2120-45-00 | 6-3 Stranded (black, red, white)            | 8 (stranded green)      | 125'          | 500'  | 480                             | 0.855                       |
| 2121-30-00                          | 2121-45-00 | 6-4 Stranded (black, red, blue, white)      | 8 (stranded green)      | 100'          | 500'  | 595                             | 0.945                       |
| 2124-30-00                          | 2124-45-00 | 4-3 Stranded (black, red, white)            | 8 (stranded green)      | 100'          | 500'  | 690                             | 1.035                       |
| 2125-30-00                          | 2125-45-00 | 4-4 Stranded (black, red, blue, white)      | 8 (stranded green)      | 100'          | 500'  | 870                             | 1.135                       |
| 2128-30-00                          | 2128-45-00 | 3-3 Stranded (black, red, white)            | 6 (stranded green)      | 100'          | 500'  | 815                             | 1.025                       |
| 2129-30-00                          | 2129-45-00 | 3-4 Stranded (black, red, blue, white)      | 6 (stranded green)      | 100'          | 500'  | 1025                            | 1.120                       |
| 2126-30-00                          | 2126-45-00 | 2-3 Stranded (black, red, white)            | 6 (stranded green)      | 100'          | 500'  | 1000                            | 1.180                       |
| 2127-30-00                          | 2127-45-00 | 2-4 Stranded (black, red, blue, white)      | 6 (stranded green)      | 100'          | 500'  | 1260                            | 1.295                       |
| 2137-30-00                          | 2137-45-00 | 1-3 Stranded (black, red, white)            | 6 (stranded green)      | 100'          | 500'  | 1195                            | 1.185                       |
| 2161-42-01                          | 2161-60-01 | 10-2 Stranded (brown, gray)                 | 10 (stranded green)     | 250'          | 1000' | 160                             | 0.560                       |
| 2163-42-01                          | 2163-60-01 | 10-4 Stranded (brown, orange, yellow, gray) | 10 (stranded green)     | 250'          | 1000' | 260                             | 0.645                       |
| 480Y/277V Solid Conductor Colors    |            |                                             |                         |               |       |                                 |                             |
| 2107-42-01                          | 2107-60-01 | 10-2 Solid (brown, gray)                    | 10 (solid green)        | 250'          | 1000' | 160                             | 0.560                       |
| 2108-42-01                          | 2108-60-01 | 10-3 Solid (brown, orange, gray)            | 10 (solid green)        | 250'          | 1000' | 215                             | 0.600                       |
| 2109-42-01                          | 2109-60-01 | 10-4 Solid (brown, orange, yellow, gray)    | 10 (solid green)        | 250'          | 1000' | 260                             | 0.645                       |
| 2107-42-02                          | 2107-60-02 | 10-2 Solid (orange, gray)                   | 10 (solid green)        | 250'          | 1000' | 160                             | 0.560                       |
| 2107-42-03                          | 2107-60-03 | 10-2 Solid (yellow gray)                    | 10 (solid green)        | 250'          | 1000' | 160                             | 0.560                       |
| 2108-42-02                          | 2108-60-02 | 10-3 Solid (orange, yellow, gray)           | 10 (solid green)        | 250'          | 1000' | 215                             | 0.600                       |
| 2108-42-03                          | 2108-60-03 | 10-3 Solid (brown, yellow, gray)            | 10 (solid green)        | 250'          | 1000' | 215                             | 0.600                       |
| 480Y/277V Stranded Conductor Colors |            |                                             |                         |               |       |                                 |                             |
| 2115-40-01                          | 2115-45-01 | 8-2 Stranded (brown, gray)                  | 10 (solid green)        | 200'          | 500'  | 329                             | 0.635                       |
| 2116-40-01                          | 2116-45-01 | 8-3 Stranded (brown, orange, gray)          | 10 (solid green)        | 200'          | 500'  | 432                             | 0.685                       |
| 2117-32-01                          | 2117-45-01 | 8-4 Stranded (brown, orange, yellow, gray)  | 10 (solid green)        | 125'          | 500'  | 511                             | 0.835                       |
| 2120-32-01                          | 2120-45-01 | 6-3 Stranded (brown, orange, gray)          | 8 (stranded green)      | 125'          | 500'  | 594                             | 0.855                       |
| 2121-30-01                          | 2121-45-01 | 6-4 Stranded (brown, orange, yellow, gray)  | 8 (stranded green)      | 100'          | 500'  | 595                             | 0.945                       |

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

\* Stranded conductors available by special order.