

# MC Lite® Aluminum Armored Cable

## Type MC (120/208V Colors) Technical Specifications

**Armor**

Interlocked Aluminum Strip with ColorSpec® ID

**Conductors**

Solid or Stranded Copper

**Conductor Insulation**

THHN/THWN

**Assembly Covering**

Polypropylene Tape

**Maximum Temperature Rating**

90°C (Dry)

**Grounding**

Insulated Green Grounding Conductor

**Neutral Conductor**

White 120/208V

**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, 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 No.                       |            | Trade Size                              | Grounding Conductor AWG | Length (ft) |      | Approx. Weight/ 1,000ft (lbs) | Approx. Armor O.D. (in) |
|--|------------|---|-------------------------|-------------|------|-------------------------------|-------------------------|
| Coil                                   | Reel       |   |                         | Coil        | Reel |                               |                         |
| <b>MC Lite® Aluminum Armored Cable</b> |            |   |                         |             |      |                               |                         |
| <b>Solid 120/208V Colors</b>           |            |   |                         |             |      |                               |                         |
| 2101S42-00                             | 2101S60-00 | 14-2 Solid (Black, White)               | 14 Solid (Green)        | 250         | 1000 | 78                            | 0.474                   |
| 2102S42-00                             | 2102S60-00 | 14-3 Solid (Black, Red, White)          | 14 Solid (Green)        | 250         | 1000 | 100                           | 0.48                    |
| 2103S42-00                             | 2103S60-00 | 14-4 Solid (Black, Red, Blue, White)    | 14 Solid (Green)        | 250         | 1000 | 120                           | 0.51                    |
| 2104S42-00                             | 2104S60-00 | 12-2 Solid (Black, White)               | 12 Solid (Green)        | 250         | 1000 | 106                           | 0.517                   |
| 2105S42-00                             | 2105S60-00 | 12-3 Solid (Black, Red, White)          | 12 Solid (Green)        | 250         | 1000 | 134                           | 0.549                   |
| 2106S42-00                             | 2106S60-00 | 12-4 Solid (Black, Red, Blue, White)    | 12 Solid (Green)        | 250         | 1000 | 162                           | 0.586                   |
| <b>Special 120/208V Colors</b>         |            |   |                         |             |      |                               |                         |
| 2104S42-04                             | 2104S60-04 | 12-2 Solid (Red, White)                 | 12 Solid (Green)        | 250         | 1000 | 106                           | 0.517                   |
| 2104S42-05                             | 2104S60-05 | 12-2 Solid (Blue, White)                | 12 Solid (Green)        | 250         | 1000 | 106                           | 0.517                   |
| 2105S42-04                             | 2105S60-04 | 12-3 Solid (Red, Blue, White)           | 12 Solid (Green)        | 250         | 1000 | 134                           | 0.549                   |
| 2105S42-05                             | 2105S60-05 | 12-3 Solid (Black, Blue, White)         | 12 Solid (Green)        | 250         | 1000 | 134                           | 0.549                   |
| <b>Stranded Conductor</b>              |            |   |                         |             |      |                               |                         |
| 2158S42-00                             | 2158S60-00 | 12-2 Stranded (Black, White)            | 12 Stranded (Green)     | 250         | 1000 | 111                           | 0.538                   |
| 2159S42-00                             | 2159S60-00 | 12-3 Stranded (Black, Red, White)       | 12 Stranded (Green)     | 250         | 1000 | 140                           | 0.573                   |
| 2160S42-00                             | 2160S60-00 | 12-4 Stranded (Black, Red, Blue, White) | 12 Stranded (Green)     | 250         | 1000 | 170                           | 0.565                   |

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

MC Lite® is also available in 8 AWG through 1-4, see page 40.

# MC Lite<sup>®</sup> Aluminum Armored Cable

## Type MC (277/480V Colors) Technical Specifications

**Armor**

Interlocked Aluminum Strip with ColorSpec<sup>®</sup> ID

**Conductors**

Solid or Stranded Copper

**Conductor Insulation**

THHN/THWN

**Assembly Covering**

Polypropylene Tape

**Maximum Temperature Rating**

90°C (Dry)

**Grounding**

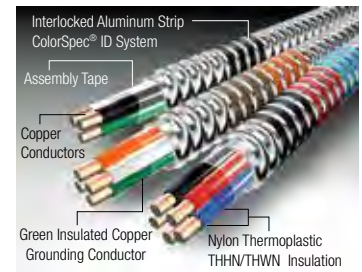
Insulated Green Grounding Conductor

**Neutral Conductor**

Gray 277/480V

**Maximum Voltage Rating**

600V



MC CABLES

**References & Ratings**

- UL 83, 1479, 1569, 1581, 2556, File Reference E80042
- NEC<sup>®</sup> 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<sup>®</sup>
- UL Classified 1, 2, and 3 hour through (Fire) penetration product, R14141
- Environmental Air-Handling Space Installation per NEC<sup>®</sup> 300.22(C)
- U.S. Patent No. 8,278,554 B2
- Made in USA of US and/or imported materials

| Product Code No.         |            | Trade Size                                  | Grounding Conductor AWG | Length (ft) |      | Approx. Weight/ 1,000ft (lbs) | Approx. Armor O.D. (in) |
|--------------------------|------------|---|-------------------------|-------------|------|-------------------------------|-------------------------|
| Coil                     | Reel       |   |                         | Coil        | Reel |                               |                         |
| <b>Solid 277/408V</b>    |            |   |                         |             |      |                               |                         |
| 2104S42-01               | 2104S60-01 | 12-2 Solid (Brown, Gray)                    | 12 Solid (Green)        | 250         | 1000 | 106                           | 0.517                   |
| 2104S42-02               | 2104S60-02 | 12-2 Solid (Orange, Gray)                   | 12 Solid (Green)        | 250         | 1000 | 106                           | 0.517                   |
| 2104S42-03               | 2104S60-03 | 12-2 Solid (Yellow, Gray)                   | 12 Solid (Green)        | 250         | 1000 | 106                           | 0.517                   |
| 2104S42-07               | 2104S60-07 | 12-2 Solid (Purple, Gray)                   | 12 Solid (Green)        | 250         | 1000 | 106                           | 0.517                   |
| 2105S42-01               | 2105S60-01 | 12-3 Solid (Brown, Orange, Gray)            | 12 Solid (Green)        | 250         | 1000 | 134                           | 0.549                   |
| 2105S42-02               | 2105S60-02 | 12-3 Solid (Orange, Yellow, Gray)           | 12 Solid (Green)        | 250         | 1000 | 134                           | 0.549                   |
| 2105S42-03               | 2105S60-03 | 12-3 Solid (Brown, Yellow, Gray)            | 12 Solid (Green)        | 250         | 1000 | 134                           | 0.549                   |
| 2105S42-07               | 2105S60-07 | 12-3 Solid (Brown, Purple, Gray)            | 12 Solid (Green)        | 250         | 1000 | 134                           | 0.549                   |
| 2106S42-01               | 2106S60-01 | 12-4 Solid (Brown, Orange, Yellow, Gray)    | 12 Solid (Green)        | 250         | 1000 | 162                           | 0.586                   |
| <b>Stranded 277/408V</b> |            |   |                         |             |      |                               |                         |
| 2158S42-01               | 2158S60-01 | 12-2 Stranded (Brown, Gray)                 | 12 Stranded (Green)     | 250         | 1000 | 111                           | 0.538                   |
| 2158S42-02               | 2158S60-02 | 12-2 Stranded (Orange, Gray)                | 12 Stranded (Green)     | 250         | 1000 | 111                           | 0.538                   |
| 2158S42-03               | 2158S60-03 | 12-2 Stranded (Yellow, Gray)                | 12 Stranded (Green)     | 250         | 1000 | 111                           | 0.538                   |
| 2159S42-01               | 2159S60-01 | 12-3 Stranded (Brown, Orange, Gray)         | 12 Stranded (Green)     | 250         | 1000 | 140                           | 0.573                   |
| 2160S42-01               | 2160S60-01 | 12-4 Stranded (Brown, Orange, Yellow, Gray) | 12 Stranded (Green)     | 250         | 1000 | 169                           | 0.613                   |

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

**MC Lite<sup>®</sup> is also available in 8 AWG-2 through 2 AWG-4, see page 38.**