

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

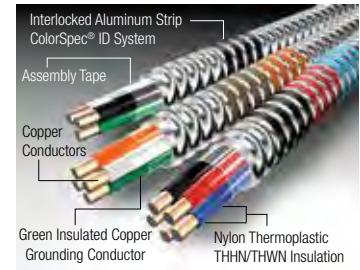
Insulated Green Grounding Conductor

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 | | |
| MC Lite[®] Aluminum Armored Cable | | | | | | | |
| Solid 120/208V Colors | | | | | | | |
| 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 |
| Special 120/208V Colors | | | | | | | |
| 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 |
| Stranded Conductor | | | | | | | |
| 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® Aluminum Armored Cable

Type MC (277/480V 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

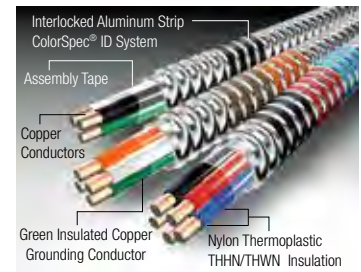
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Gray 277/480V

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|--------------------------|------------|---|-------------------------|-------------|------|-------------------------------|-------------------------|
| Coil | Reel | | | Coil | Reel | | |
| Solid 277/408V | | | | | | | |
| 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 |
| Stranded 277/408V | | | | | | | |
| 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 |

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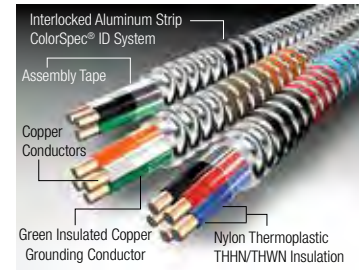
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| 2106S42-00 | 2106S60-00 | 12-4 Solid (Black, Red, Blue, White) | 12 Solid (Green) | 250 | 1000 | 162 | 0.586 |
| Special 120/208V Colors | | | | | | | |
| 2104S42-04 | 2104S60-04 | 12-2 Solid (Red, White) | 12 Solid (Green) | 250 | 1000 | 106 | 0.517 |
| 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 |
| Stranded Conductor | | | | | | | |
| 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 |
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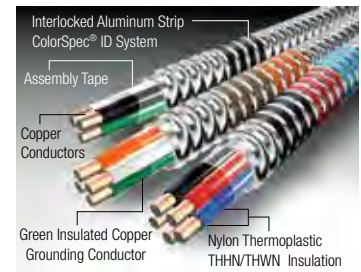
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| 2105S42-01 | 2105S60-01 | 12-3 Solid (Brown, Orange, Gray) | 12 Solid (Green) | 250 | 1000 | 134 | 0.549 |
| 2105S42-02 | 2105S60-02 | 12-3 Solid (Orange, Yellow, Gray) | 12 Solid (Green) | 250 | 1000 | 134 | 0.549 |
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