

MC TUFF® Lightweight Steel Cable

Type MC (120/208V Colors) Technical Specifications

Armor

Interlocked Galvanized Steel Strip (Blue Striped) with ColorSpec® ID

Conductors

Solid or Stranded Copper

Conductor Insulation

THHN/THWN

Assembly Covering

Polypropylene Tape

Maximum Temperature Rating

90°C (Dry)

Grounding

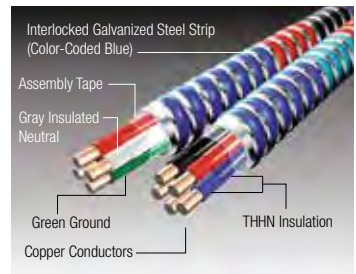
Insulated Green Grounding Conductor

Neutral Conductors

White 120/208V

Maximum Voltage Rating

600V



References & Ratings

- UL 83, 1479, 1569, 1581, 2556, File Reference E80042
- NEC® 230.43, 250.118, 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)
- U.S. Patent No. 8,278,554 B2
- Made in USA of US and/or imported materials

| Product Code | | Trade Size | Grounding Conductor AWG | Length (ft) | | Approx. Weight/ 1,000ft (lbs) | Approx. Armor O.D. (in) |
|---|------------|---|-------------------------|-------------|------|-------------------------------|-------------------------|
| Coil | Reel | | | Coil | Reel | | |
| MC TUFF® Lightweight Steel Cable | | | | | | | |
| 120/208V Solid | | | | | | | |
| 1701B42T00 | 1701B60T00 | 14-2 Solid (Black, White) | 14 Solid (Green) | 250 | 1000 | 117 | 0.470 |
| 1702B42T00 | 1702B60T00 | 14-3 Solid (Black, Red, White) | 14 Solid (Green) | 250 | 1000 | 140 | 0.480 |
| 1703B42T00 | 1703B60T00 | 14-4 Solid (Black, Red, Blue, White) | 14 Solid (Green) | 250 | 1000 | 164 | 0.510 |
| 1704B42T00 | 1704B60T00 | 12-2 Solid (Black, White) | 12 Solid (Green) | 250 | 1000 | 141 | 0.517 |
| 1705B42T00 | 1705B60T00 | 12-3 Solid (Black, Red, White) | 12 Solid (Green) | 250 | 1000 | 199 | 0.549 |
| 1706B42T00 | 1706B60T00 | 12-4 Solid (Black, Red, Blue, White) | 12 Solid (Green) | 250 | 1000 | 232 | 0.586 |
| 1707B42T00 | 1707B60T00 | 10-2 Solid (Black, White) | 10 Solid (Green) | 250 | 1000 | 225 | 0.581 |
| 1708B42T00 | 1708B60T00 | 10-3 Solid (Black, Red, White) | 10 Solid (Green) | 250 | 1000 | 275 | 0.622 |
| 1709B42T00 | 1709B60T00 | 10-4 Solid (Black, Red, Blue, White) | 10 Solid (Green) | 250 | 1000 | 326 | 0.667 |
| 120/208V Stranded | | | | | | | |
| 1758B42T00 | 1758B60T00 | 12-2 Stranded (Black, White) | 12 Stranded (Green) | 250 | 1000 | 152 | 0.495 |
| 1759B42T00 | 1759B60T00 | 12-3 Stranded (Black, Red, White) | 12 Stranded (Green) | 250 | 1000 | 191 | 0.530 |
| 1760B42T00 | 1760B60T00 | 12-4 Stranded (Black, Red, Blue, White) | 12 Stranded (Green) | 250 | 1000 | 225 | 0.565 |
| 1761B42T00 | 1761B60T00 | 10-2 Stranded (Black, White) | 10 Stranded (Green) | 250 | 1000 | 227 | 0.560 |
| 1762B42T00 | 1762B60T00 | 10-3 Stranded (Black, Red, White) | 10 Stranded (Green) | 250 | 1000 | 269 | 0.600 |
| 1763B42T00 | 1763B60T00 | 10-4 Stranded (Black, Red, Blue, White) | 10 Stranded (Green) | 250 | 1000 | 319 | 0.645 |
| 120/208V Solid Specialty Colors | | | | | | | |
| 1704B42T04 | 1704B60T04 | 12-2 Solid (Red, White) | 12 Solid (Green) | 250 | 1000 | 141 | 0.517 |
| 1704B42T05 | 1704B60T05 | 12-2 Solid (Blue, White) | 12 Solid (Green) | 250 | 1000 | 141 | 0.517 |
| 1705B42T04 | 1705B60T04 | 12-3 Solid (Red, Blue, White) | 12 Solid (Green) | 250 | 1000 | 141 | 0.517 |
| 1705B42T05 | 1705B60T05 | 12-3 Solid (Black, Blue, White) | 12 Solid (Green) | 250 | 1000 | 141 | 0.517 |
| 1707B42T04 | 1707B60T04 | 10-2 Solid (Red, White) | 10 Solid (Green) | 250 | 1000 | 225 | 0.581 |
| 1707B42T05 | 1707B60T05 | 10-2 Solid (Blue, White) | 10 Solid (Green) | 250 | 1000 | 225 | 0.581 |
| 1708B42T04 | 1708B60T04 | 10-3 Solid (Red, Blue, White) | 10 Solid (Green) | 250 | 1000 | 275 | 0.622 |
| 1708B42T05 | 1708B60T05 | 10-3 Solid (Black, Blue, White) | 10 Solid (Green) | 250 | 1000 | 275 | 0.622 |

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

SET SCREW CONNECTORS MAY BE USED WITH STEEL CABLES.

MC TUFF® Lightweight Steel Cable

Type MC (277/480V Colors) Technical Specifications

Armor

Interlocked Galvanized Steel Strip (Blue Striped) with ColorSpec® ID

Conductors

Solid or Stranded Copper (See Below)

Conductor Insulation

THHN/THWN

Assembly Covering

Polypropylene Tape

Maximum Temperature Rating

90°C (Dry)

Grounding

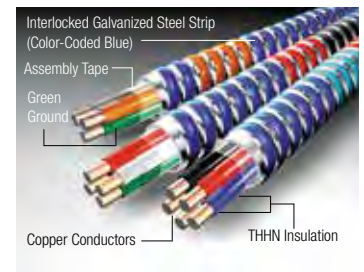
Insulated Green Grounding Conductor

Neutral Conductor

Gray 277/480V

Maximum Voltage Rating

600V



MC CABLES

References & Ratings

- UL 83, 1479, 1569, 1581, 2556, File Reference E80042
- NEC® 230.43, 250.118, 300.22(C), 392, 396, 330, 501, 502, 503, 530, 504, 505, 518, 520, 530, 645
- Cable Tray Rated, install per NEC®
- Federal Specification A-A-59544 (formerly J-C-30B)
- Meets all applicable OSHA and HUD requirements
- May be surfaced mounted and embedded in plaster
- Environmental Air-Handling Space Installation per NEC® 300.22(C)
- UL Classified 1, 2, and 3 hour through (Fire) penetration product, R14141
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| Product Code | | Trade Size | Grounding Conductor AWG | Length (ft) | | Approx. Weight/ 1,000ft (lbs) | Approx. Armor O.D. (in) |
|---|------------|---|-------------------------|-------------|------|-------------------------------|-------------------------|
| Coil | Reel | | | Coil | Reel | | |
| MC TUFF® Lightweight Steel Cable | | | | | | | |
| 277/480V Solid | | | | | | | |
| 1704B42T01 | 1704B60T01 | 12-2 Solid (Brown, Gray) | 12 Solid (Green) | 250 | 1000 | 141 | 0.517 |
| 1704B42T02 | 1704B60T02 | 12-2 Solid (Orange, Gray) | 12 Solid (Green) | 250 | 1000 | 141 | 0.517 |
| 1704B42T03 | 1704B60T03 | 12-2 Solid (Yellow, Gray) | 12 Solid (Green) | 250 | 1000 | 141 | 0.517 |
| 1704B42T07 | 1704B60T07 | 12-2 Solid (Purple, Gray) | 12 Solid (Green) | 250 | 1000 | 141 | 0.517 |
| 1705B42T01 | 1705B60T01 | 12-3 Solid (Brown, Orange, Gray) | 12 Solid (Green) | 250 | 1000 | 199 | 0.549 |
| 1705B42T02 | 1705B60T02 | 12-3 Solid (Orange, Yellow, Gray) | 12 Solid (Green) | 250 | 1000 | 199 | 0.549 |
| 1705B42T03 | 1705B60T03 | 12-3 Solid (Brown, Yellow, Gray) | 12 Solid (Green) | 250 | 1000 | 199 | 0.549 |
| 1705B42T07 | 1705B60T07 | 12-3 Solid (Brown, Purple, Gray) | 12 Solid (Green) | 250 | 1000 | 199 | 0.549 |
| 1705B42T27 | 1705B60T27 | 12-3 Solid (Yellow, Purple, Gray) | 12 Solid (Green) | 250 | 1000 | 199 | 0.549 |
| 1706B42T01 | 1706B60T01 | 12-4 Solid (Brown, Orange, Yellow, Gray) | 12 Solid (Green) | 250 | 1000 | 232 | 0.586 |
| 1706B42T07 | 1706B60T07 | 12-4 Solid (Brown, Yellow, Purple, Gray) | 12 Solid (Green) | 250 | 1000 | 232 | 0.586 |
| 1707B42T01 | 1707B60T01 | 10-2 Solid (Brown, Gray) | 10 Solid (Green) | 250 | 1000 | 225 | 0.581 |
| 1707B42T02 | 1707B60T02 | 10-2 Solid (Orange, Gray) | 10 Solid (Green) | 250 | 1000 | 225 | 0.581 |
| 1707B42T03 | 1707B60T03 | 10-2 Solid (Yellow, Gray) | 10 Solid (Green) | 250 | 1000 | 225 | 0.581 |
| 1707B42T07 | 1707B60T07 | 10-2 Solid (Purple, Gray) | 10 Solid (Green) | 250 | 1000 | 225 | 0.581 |
| 1708B42T01 | 1708B60T01 | 10-3 Solid (Brown, Orange, Gray) | 10 Solid (Green) | 250 | 1000 | 275 | 0.622 |
| 1708B42T02 | 1708B60T02 | 10-3 Solid (Orange, Yellow, Gray) | 10 Solid (Green) | 250 | 1000 | 275 | 0.622 |
| 1708B42T03 | 1708B60T03 | 10-3 Solid (Brown, Yellow, Gray) | 10 Solid (Green) | 250 | 1000 | 275 | 0.622 |
| 1709B42T01 | 1709B60T01 | 10-4 Solid (Brown, Orange, Yellow, Gray) | 10 Solid (Green) | 250 | 1000 | 326 | 0.667 |
| 1709B42T07 | 1709B60T07 | 10-4 Solid (Brown, Yellow, Purple, Gray) | 10 Solid (Green) | 250 | 1000 | 326 | 0.667 |
| 277/480V Stranded | | | | | | | |
| 1758B42T01 | 1758B60T01 | 12-2 Stranded (Brown, Gray) | 12 Stranded (Green) | 250 | 1000 | 159 | 0.538 |
| 1758B42T02 | 1758B60T02 | 12-2 Stranded (Orange, Gray) | 12 Stranded (Green) | 250 | 1000 | 159 | 0.538 |
| 1758B42T03 | 1758B60T03 | 12-2 Stranded (Yellow, Gray) | 12 Stranded (Green) | 250 | 1000 | 159 | 0.538 |
| 1759B42T01 | 1759B60T01 | 12-3 Stranded (Brown, Orange, Gray) | 12 Stranded (Green) | 250 | 1000 | 210 | 0.577 |
| 1760B42T01 | 1760B60T01 | 12-4 Stranded (Brown, Orange, Yellow, Gray) | 12 Stranded (Green) | 250 | 1000 | 246 | 0.613 |
| 1761B42T01 | 1761B60T01 | 10-2 Stranded (Brown, Gray) | 10 Stranded (Green) | 250 | 1000 | 237 | 0.615 |
| 1762B42T01 | 1762B60T01 | 10-3 Stranded (Brown, Orange, Gray) | 10 Stranded (Green) | 250 | 1000 | 304 | 0.657 |
| 1763B42T01 | 1763B60T01 | 10-4 Stranded (Brown, Orange, Yellow, Gray) | 10 Stranded (Green) | 250 | 1000 | 360 | 0.707 |

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

SET SCREW CONNECTORS MAY BE USED WITH STEEL CABLES,