

MC TUFF® Color-Trak ID System® (480Y/277V colors)

Type MC Cable Technical Specifications

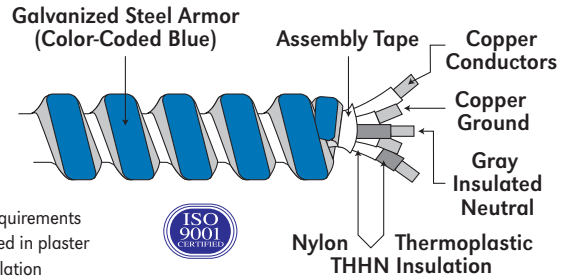
Kaf-Tech's Color Coded MC, AC, & HCF Cables

Specification Description











| Specification | MC TUFF Color-Trak ID System® |
|----------------------------|------------------------------------------------------------------------------------------------------|
| Armor | Galvanized Interlocking Steel Strip (blue striped) |
| Conductors | Solid or Stranded Copper (see below) |
| Conductor Insulation | THHN/THWN (XHHW available by special order subject to lead time and minimum quantities) |
| Assembly Covering | Polypropylene tape |
| Maximum Temperature Rating | 90°C (dry) |
| Grounding | One grounding means - Insulated Green Grounding Conductor (additional insulated conductors optional) |
| Neutral Conductor | Gray |
| Maximum Voltage Rating | 600V |

References & Ratings

- U.L. 83, 1479, 1569, 1581, File Reference E80042
- NEC 230.43, 300.22(C), 392, 396, 330, 518, 520, 530, 645
- Cable Tray installations 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
- U.L. Classified 1, 2 and 3-hour Through-Penetration Fire Wall File R-14929



Kaf-Tech's Color-Trak ID System®

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------|
|  | Additional brown stripe denotes 2 conductor cable (brown conductor) |  | Additional orange and yellow stripes denote 3 conductor cable |
|  | Additional orange stripe denotes 2 conductor cable (orange conductor) |  | Additional brown and yellow stripes denote 3 conductor cable |
|  | Additional yellow stripe denotes 2 conductor cable (yellow conductor) |  | Additional brown and purple stripes denote 3 conductor cable |
|  | Additional purple stripe denotes 2 conductor cable (purple conductor) |  | Additional brown, orange and yellow stripes denote 4 conductor cable |
|  | Additional brown and orange stripes denote 3 conductor cable |  | Additional brown, yellow and purple stripes denote 4 conductor cable |

Product Codes, Trade Sizes, Conductors, Packaging & Product Dimensions

| Product Code | Coil | Reel | Trade Size | Grounding Conductor AWG | Length (feet) | | Approx. Weight/1000 Feet (lbs.) | Armor Minimum O.D. (inches) |
|--------------|------------|------------|---------------------------------------------|-------------------------|---------------|-------|---------------------------------|-----------------------------|
| | | | | | Coil | Reel | | |
| 1704B42T01 | 1704B60T01 | 1704B60T01 | 12-2 Solid (brown, gray) | 12 (solid green) | 250' | 1000' | 147 | 0.495 |
| 1704B42T02 | 1704B60T02 | 1704B60T02 | 12-2 Solid (orange, gray) | 12 (solid green) | 250' | 1000' | 147 | 0.495 |
| 1704B42T03 | 1704B60T03 | 1704B60T03 | 12-2 Solid (yellow, gray) | 12 (solid green) | 250' | 1000' | 147 | 0.495 |
| 1704B42T07 | 1704B60T07 | 1704B60T07 | 12-2 Solid (purple, gray) | 12 (solid green) | 250' | 1000' | 147 | 0.495 |
| 1758B42T01 | 1758B60T01 | 1758B60T01 | 12-2 Stranded (brown, gray) | 12 (solid green) | 250' | 1000' | 152 | 0.495 |
| 1758B42T02 | 1758B60T02 | 1758B60T02 | 12-2 Stranded (orange, gray) | 12 (solid green) | 250' | 1000' | 152 | 0.495 |
| 1758B42T03 | 1758B60T03 | 1758B60T03 | 12-2 Stranded (yellow, gray) | 12 (solid green) | 250' | 1000' | 152 | 0.495 |
| 1705B42T01 | 1705B60T01 | 1705B60T01 | 12-3 Solid (brown, orange, gray) | 12 (solid green) | 250' | 1000' | 186 | 0.530 |
| 1705B42T02 | 1705B60T02 | 1705B60T02 | 12-3 Solid (orange, yellow, gray) | 12 (solid green) | 250' | 1000' | 186 | 0.530 |
| 1705B42T03 | 1705B60T03 | 1705B60T03 | 12-3 Solid (brown, yellow, gray) | 12 (solid green) | 250' | 1000' | 186 | 0.530 |
| 1705B42T07 | 1705B60T07 | 1705B60T07 | 12-3 Solid (brown, purple, gray) | 12 (solid green) | 250' | 1000' | 186 | 0.530 |
| 1705B42T27 | 1705B60T27 | 1705B60T27 | 12-3 Solid (yellow, purple, gray) | 12 (solid green) | 250' | 1000' | 186 | 0.530 |
| 1759B42T01 | 1759B60T01 | 1759B60T01 | 12-3 Stranded (brown, orange, gray) | 12 (solid green) | 250' | 1000' | 191 | 0.530 |
| 1706B42T01 | 1706B60T01 | 1706B60T01 | 12-4 Solid (brown, orange, yellow, gray) | 12 (solid green) | 250' | 1000' | 223 | 0.565 |
| 1706B42T07 | 1706B60T07 | 1706B60T07 | 12-4 Solid (brown, yellow, purple, gray) | 12 (solid green) | 250' | 1000' | 223 | 0.565 |
| 1760B42T01 | 1760B60T01 | 1760B60T01 | 12-4 Stranded (brown, orange, yellow, gray) | 12 (solid green) | 250' | 1000' | 225 | 0.565 |
| 1707B42T01 | 1707B60T01 | 1707B60T01 | 10-2 Solid (brown, gray) | 10 (solid green) | 250' | 1000' | 222 | 0.560 |
| 1707B42T02 | 1707B60T02 | 1707B60T02 | 10-2 Solid (orange, gray) | 10 (solid green) | 250' | 1000' | 222 | 0.560 |
| 1707B42T03 | 1707B60T03 | 1707B60T03 | 10-2 Solid (yellow, gray) | 10 (solid green) | 250' | 1000' | 222 | 0.560 |
| 1707B42T07 | 1707B60T07 | 1707B60T07 | 10-2 Solid (purple, gray) | 10 (solid green) | 250' | 1000' | 222 | 0.560 |
| 1761B42T01 | 1761B60T01 | 1761B60T01 | 10-2 Stranded (brown, gray) | 10 (solid green) | 250' | 1000' | 227 | 0.560 |
| 1708B42T01 | 1708B60T01 | 1708B60T01 | 10-3 Solid (brown, orange, gray) | 10 (solid green) | 250' | 1000' | 268 | 0.600 |
| 1708B42T02 | 1708B60T02 | 1708B60T02 | 10-3 Solid (orange, yellow, gray) | 10 (solid green) | 250' | 1000' | 268 | 0.600 |
| 1708B42T03 | 1708B60T03 | 1708B60T03 | 10-3 Solid (brown, yellow, gray) | 10 (solid green) | 250' | 1000' | 268 | 0.600 |
| 1708B42T07 | 1708B60T07 | 1708B60T07 | 10-3 Solid (brown, purple, gray) | 10 (solid green) | 250' | 1000' | 268 | 0.600 |
| 1708B42T27 | 1708B60T27 | 1708B60T27 | 10-3 Solid (yellow, purple, gray) | 10 (solid green) | 250' | 1000' | 268 | 0.600 |
| 1762B42T01 | 1762B60T01 | 1762B60T01 | 10-3 Stranded (brown, orange, gray) | 10 (solid green) | 250' | 1000' | 269 | 0.600 |
| 1709B42T01 | 1709B60T01 | 1709B60T01 | 10-4 Solid (brown, orange, yellow, gray) | 10 (solid green) | 250' | 1000' | 313 | 0.645 |
| 1709B42T07 | 1709B60T07 | 1709B60T07 | 10-4 Solid (brown, yellow, purple, gray) | 10 (solid green) | 250' | 1000' | 313 | 0.645 |
| 1763B42T01 | 1763B60T01 | 1763B60T01 | 10-4 Stranded (brown, orange, yellow, gray) | 10 (solid green) | 250' | 1000' | 319 | 0.645 |

NOTE: All dimensions and weights are subject to normal manufacturing tolerances. Other conductor colors available by special order. **WARNING: DO NOT RE-IDENTIFY CONDUCTOR COLORS.**

SET SCREW CONNECTORS MAY BE USED WITH STEEL CABLES, SEE CONNECTOR CROSS-REFERENCE GUIDE PAGE 32 FOR DETAILS.