

# MC TUFF® Lightweight Steel Cable – Traditional Type MC (480Y/277V) Technical Specifications

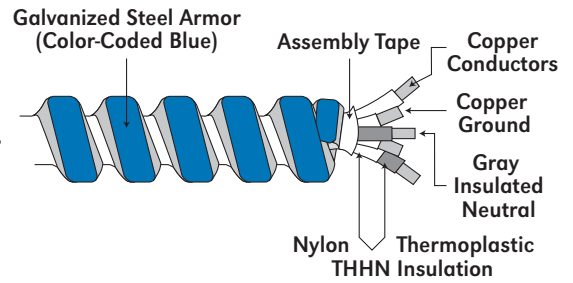


## Specification Description

Specification	MC TUFF® ColorSpec® 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
Neutral Conductor	Grey
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
- 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, R-14141
- Made in USA of US and/or imported materials



## Product Codes, Trade Sizes, Conductors, Packaging & Weights

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

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

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