

MC TUFF® Lightweight Steel Cable – Traditional Type MC (120/208V) Technical Specifications

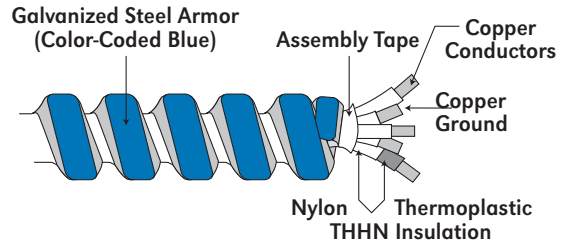


Specification Description

Specification	MC TUFF® ColorSpec® ID System
Armor	Galvanized Interlocking Steel Strip (blue striped)
Conductors	Solid/Stranded Copper
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	White
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, R-14141
- Environmental Air-Handling Space Installation per NEC® 300.22(C)
- Made in USA of US and/or imported materials



Product Codes, Trade Sizes, Conductors, Packaging & Weights

Product Code Coil	Product Code Reel	Trade Size	Grounding Conductor AWG	Length (feet)		Approx. Weight/ 1000 Feet (lbs.)	Armor Minimum O.D. (inches)
				Coil	Reel		
Solid Wire							
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'	147	0.495
1705B42T00	1705B60T00	12-3 Solid (black, red, white)	12 (solid green)	250'	1000'	186	0.530
1706B42T00	1706B60T00	12-4 Solid (black, red, blue, white)	12 (solid green)	250'	1000'	223	0.565
1707B42T00	1707B60T00	10-2 Solid (black, white)	10 (solid green)	250'	1000'	222	0.560
1708B42T00	1708B60T00	10-3 Solid (black, red, white)	10 (solid green)	250'	1000'	268	0.600
1709B42T00	1709B60T00	10-4 Solid (black, red, blue, white)	10 (solid green)	250'	1000'	313	0.645
Stranded Wire							
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
Specialty Colors							
1704B42T04	1704B60T04	12-2 Solid (red, white)	12 (solid green)	250'	1000'	147	0.495
1704B42T05	1704B60T05	12-2 Solid (blue, white)	12 (solid green)	250'	1000'	147	0.495
1705B42T04	1705B60T04	12-3 Solid (red, blue, white)	12 (solid green)	250'	1000'	147	0.495
1705B42T05	1705B60T05	12-3 Solid (black, blue, white)	12 (solid green)	250'	1000'	147	0.495
1707B42T04	1707B60T04	10-2 Solid (red, white)	10 (solid green)	250'	1000'	222	0.560
1707B42T05	1707B60T05	10-2 Solid (blue, white)	10 (solid green)	250'	1000'	222	0.560
1708B42T04	1708B60T04	10-3 Solid (red, blue, white)	10 (solid green)	250'	1000'	268	0.600
1708B42T05	1708B60T05	10-3 Solid (black, blue, white)	10 (solid green)	250'	1000'	268	0.600

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

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

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

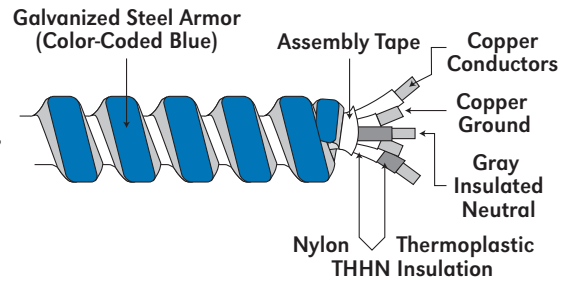


Specification Description

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		
Solid Wire								
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
Stranded Wire								
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.