



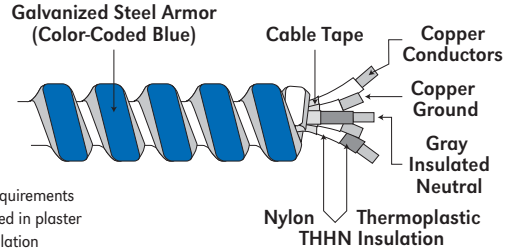
MC TUFF® Lightweight Steel Metal Clad Cable (480Y/277 Volt colors) Technical Specifications

Specification Description

Specification	MC TUFF
Armor	Galvanized Interlocking Steel Strip (blue striped)
Conductors	Solid or Stranded Copper
Conductor Insulation	THHN (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



AFC's Color-Coded Armored Cable 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

Weights, Measurements and Packaging

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)	12	250'	1000'	147	0.495
1704B42T02	1704B60T02	1704B60T02	12-2 Solid (orange)	12	250'	1000'	147	0.495
1704B42T03	1704B60T03	1704B60T03	12-2 Solid (yellow)	12	250'	1000'	147	0.495
1704B42T07	1704B60T07	1704B60T07	12-2 Solid (purple)	12	250'	1000'	147	0.495
1705B42T01	1705B60T01	1705B60T01	12-3 Solid (brown, orange)	12	250'	1000'	186	0.530
1705B42T02	1705B60T02	1705B60T02	12-3 Solid (orange, yellow)	12	250'	1000'	186	0.530
1705B42T03	1705B60T03	1705B60T03	12-3 Solid (brown, yellow)	12	250'	1000'	186	0.530
1705B42T07	1705B60T07	1705B60T07	12-3 Solid (brown, purple)	12	250'	1000'	186	0.530
1706B42T01	1706B60T01	1706B60T01	12-4 Solid (brown, orange, yellow)	12	250'	1000'	223	0.565
1706B42T07	1706B60T07	1706B60T07	12-4 Solid (brown, yellow, purple)	12	250'	1000'	223	0.565
1758B42T01	1758B60T01	1758B60T01	12-2 Stranded (brown)	12	250'	1000'	152	0.495
1758B42T02	1758B60T02	1758B60T02	12-2 Stranded (orange)	12	250'	1000'	152	0.495
1758B42T03	1758B60T03	1758B60T03	12-2 Stranded (yellow)	12	250'	1000'	152	0.495
1759B42T01	1759B60T01	1759B60T01	12-3 Stranded (brown, orange)	12	250'	1000'	191	0.530
1760B42T01	1760B60T01	1760B60T01	12-4 Stranded (brown, orange, yellow)	12	250'	1000'	225	0.565
1707B42T01	1707B60T01	1707B60T01	10-2 Solid (brown)	10	250'	1000'	222	0.560
1707B42T02	1707B60T02	1707B60T02	10-2 Solid (orange)	10	250'	1000'	222	0.560
1707B42T03	1707B60T03	1707B60T03	10-2 Solid (yellow)	10	250'	1000'	222	0.560
1707B42T07	1707B60T07	1707B60T07	10-2 Solid (purple)	10	250'	1000'	222	0.560
1708B42T01	1708B60T01	1708B60T01	10-3 Solid (brown, orange)	10	250'	1000'	268	0.600
1708B42T02	1708B60T02	1708B60T02	10-3 Solid (orange, yellow)	10	250'	1000'	268	0.600
1708B42T03	1708B60T03	1708B60T03	10-3 Solid (brown, yellow)	10	250'	1000'	268	0.600
1708B42T07	1708B60T07	1708B60T07	10-3 Solid (brown, purple)	10	250'	1000'	268	0.600
1709B42T01	1709B60T01	1709B60T01	10-4 Solid (brown, orange, yellow)	10	250'	1000'	313	0.645
1709B42T07	1709B60T07	1709B60T07	10-4 Solid (brown, yellow, purple)	10	250'	1000'	313	0.645
1761B42T01	1761B60T01	1761B60T01	10-2 Stranded (brown)	10	250'	1000'	227	0.560
1762B42T01	1762B60T01	1762B60T01	10-3 Stranded (brown, orange)	10	250'	1000'	269	0.600
1763B42T01	1763B60T01	1763B60T01	10-4 Stranded (brown, orange, yellow)	10	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 30 FOR DETAILS.