



MC TUFF® ColorSpec ID System® (480Y/277V) Technical Specifications

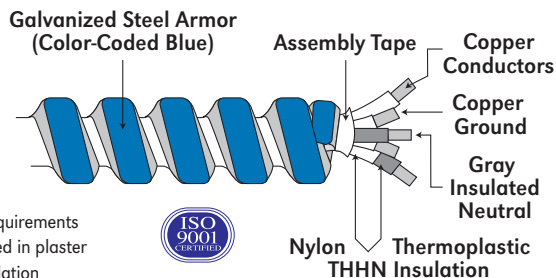


Specification Description

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 (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



AFC's ColorSpec 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 & Weights

Product Code Coil	Product Code Reel	Trade Size	Grounding Conductors AWG	Length (feet)		Approx. Weight/1000 Feet (lbs.)	Armor Minimum O.D. (inches)
				Coil	Reel		
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
1758B42T01	1758B60T01	12-2 Stranded (brown, gray)	12 (solid green)	250'	1000'	152	0.495
1758B42T02	1758B60T02	12-2 Stranded (orange, gray)	12 (solid green)	250'	1000'	152	0.495
1758B42T03	1758B60T03	12-2 Stranded (yellow, gray)	12 (solid green)	250'	1000'	152	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
1759B42T01	1759B60T01	12-3 Stranded (brown, orange, gray)	12 (solid green)	250'	1000'	191	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
1760B42T01	1760B60T01	12-4 Stranded (brown, orange, yellow, gray)	12 (solid green)	250'	1000'	225	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
1761B42T01	1761B60T01	10-2 Stranded (brown, gray)	10 (solid green)	250'	1000'	227	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
1708B42T07	1708B60T07	10-3 Solid (brown, purple, gray)	10 (solid green)	250'	1000'	268	0.600
1708B42T27	1708B60T27	10-3 Solid (yellow, purple, gray)	10 (solid green)	250'	1000'	268	0.600
1762B42T01	1762B60T01	10-3 Stranded (brown, orange, gray)	10 (solid green)	250'	1000'	269	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
1763B42T01	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.