



MC TUFF® I.G. Isolated Ground Lightweight Steel Metal Clad Cable Technical Specifications

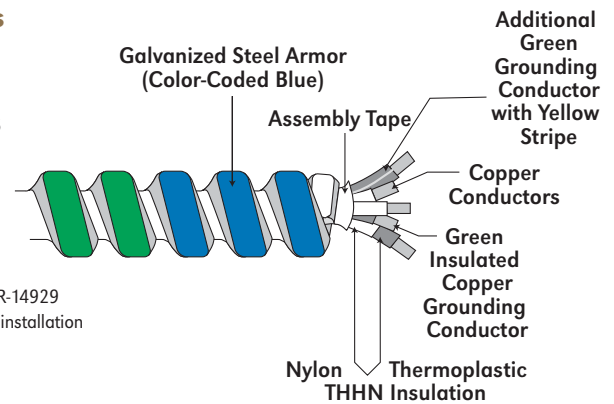


Specification Description

Specification	MC TUFF IG ColorSpec ID System®
Armor	Galvanized Interlocking Steel* Strip (blue striped)
Conductors	Solid/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	2 grounding means — 2 grounding conductors: one solid green, one green with yellow stripe
Neutral Conductor	White
Maximum Voltage Rating	600V

References & Ratings

- U.L. 83, 1479, 1569, 1581, File Reference E80042
- NEC 230.43, 250.118, 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
- U.L. Classified 1, 2 and 3-hour Through-Penetration Fire Wall File R-14929
- Environmental Air-Handling Space installation



AFC's ColorSpec ID System®



Additional black, and green stripe denotes 2 conductor cable with additional ground



Additional black, red and green stripes denote 3 conductor cable with additional ground



Additional black, red, light blue and green stripes denote 4 conductor cable with additional ground



Additional red, white and green stripes denote special 3 conductor cable with additional ground



Additional light blue, white and green stripes denote special 3 conductor cable with additional ground



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		
Stock Items								
1705B42T80	1705B60T80	12-2 Solid	12	250'	1000'	186	0.530	
1706B42T80	1706B60T80	12-3 Solid	12	250'	1000'	223	0.565	
1710B42T80	1710B60T80	12-4 Solid	12	250'	1000'	330	0.580	
1759B42T80	1759B60T80	12-2 Stranded	12	250'	1000'	191	0.530	
1708B42T80	1708B60T80	10-2 Solid	10	250'	1000'	268	0.600	
1709B42T80	1709B60T80	10-3 Solid	10	250'	1000'	313	0.645	
1711B42T80	1711B60T80	10-4 Solid	10	250'	1000'	391	0.670	
Specialty Colors								
1705B42T84	1705B60T84	12-2 Solid (red, white)	12	250'	1000'	186	0.530	
1705B42T85	1705B60T85	12-2 Solid (blue, white)	12	250'	1000'	186	0.530	
1708B42T84	1708B60T84	10-2 Solid (red, white)	10	250'	1000'	268	0.600	
1708B42T85	1708B60T85	10-2 Solid (blue, white)	10	250'	1000'	268	0.600	

NOTE: All dimensions and weights are subject to normal manufacturing tolerances.
 * Aluminum available by special order and subject to lead times and minimum quantities.

WARNING: DO NOT RE-IDENTIFY CONDUCTOR COLORS.

SET SCREW CONNECTORS MAY BE USED WITH STEEL CABLES, SEE CONNECTOR CROSS-REFERENCE GUIDE PAGE 34 FOR DETAILS.