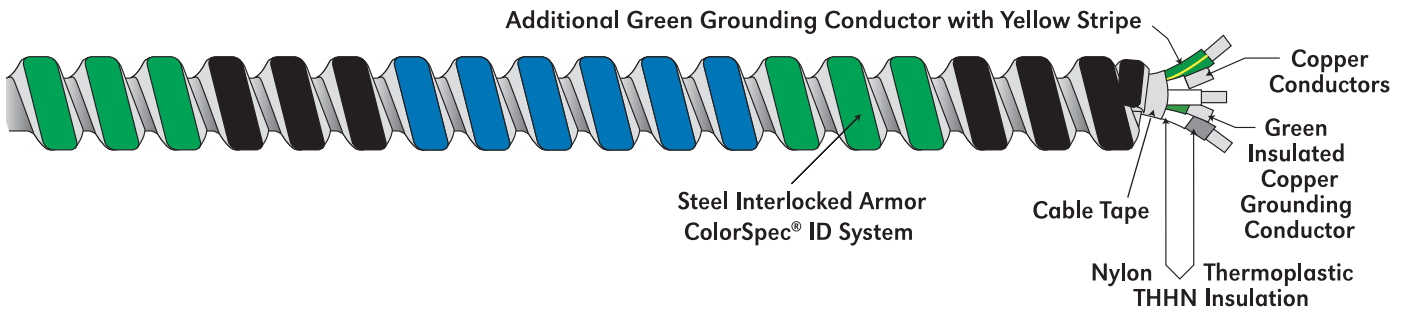


MC TUFF® IG Isolated Ground Steel Cable – Lightweight Traditional Type MC Technical Specifications



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 conductors, one solid green, one green with yellow stripe
Neutral Conductor	White
Maximum Voltage Rating	600V

References & Ratings

- UL 83, 1479, 1569, 1581, 2556, File Reference E80042
- NEC® 230.43, 250.118, 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
- 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	Reel	Trade Size	Grounding Conductors AWG	Length (feet)		Approx. Weight/1000 Feet (lbs.)	Armor Minimum O.D. (inches)
				Coil	Reel		
120/208V							
Solid Conductor Colors							
1705B42T80	1705B60T80	12-2 Solid (black, white)	12 (solid green)	250'	1000'	186	0.530
1706B42T80	1706B60T80	12-3 Solid (black, red, white)	12 (solid green)	250'	1000'	223	0.565
1710B42T80	1710B60T80	12-4 Solid (black, blue, red, white)	12 (solid green)	250'	1000'	330	0.580
1708B42T80	1708B60T80	10-2 Solid (black, white)	10 (solid green)	250'	1000'	268	0.600
1709B42T80	1709B60T80	10-3 Solid (black, red, white)	10 (solid green)	250'	1000'	313	0.645
1711B42T80	1711B60T80	10-4 Solid (black, blue, red, white)	10 (solid green)	250'	1000'	391	0.670
1759B42T80	1759B60T80	12-2 Stranded (black, white)	12 (stranded green)	250'	1000'	191	0.530
120/208V							
Stranded Conductors							
1705B42T84	1705B60T84	12-2 Solid (red, white)	12 (solid green)	250'	1000'	186	0.530
1705B42T85	1705B60T85	12-2 Solid (blue, white)	12 (solid green)	250'	1000'	186	0.530
1708B42T84	1708B60T84	10-2 Solid (red, white)	10 (solid green)	250'	1000'	268	0.600
1708B42T85	1708B60T85	10-2 Solid (blue, white)	10 (solid green)	250'	1000'	268	0.600
2105S42-80	2105S60-80	12-2 Solid (black, white)	12 (solid green)	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.

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