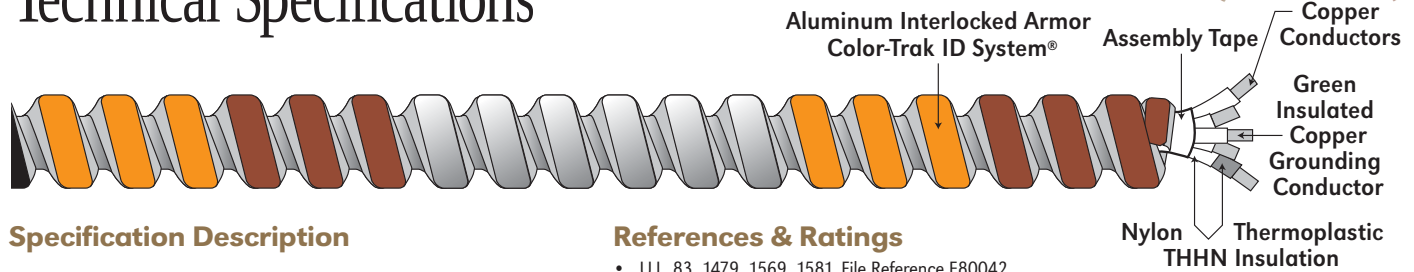


MC-Lite® Aluminum Cable (480Y/277V)

Technical Specifications



Specification Description

Specification	MC-Lite® ColorSpec ID System®
Armor	Interlocking Aluminum Strip
Conductors	Solid/Stranded Copper
Conductor Insulation	THHN/THWN
Assembly Covering	Polypropylene Tape
Maximum Temperature Rating	90°C (dry)
Grounding	One grounding means – Insulated Green Grounding Conductor
Neutral Conductor	Gray for 480Y/277V circuits
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
- 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 installations per NEC
- U.L. Classified 1, 2 and 3-hour through-penetration Fire Wall
- Environmental Air-Handling Space installation

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		Trade Size	Grounding Conductor AWG	Length (feet)		Approx. Weight/1000 Feet (lbs.)	Armor Minimum O.D. (inches)
Coil	Reel			Coil	Reel		
2104S42-01	2104S60-01	12-2 (brown, gray)	12 (solid green)	250'	1000'	110	0.495
2105S42-01	2105S60-01	12-3 (brown, orange, gray)	12 (solid green)	250'	1000'	135	0.530
2106S42-01	2106S60-01	12-4 (brown, orange, yellow, gray)	12 (solid green)	250'	1000'	170	0.565
2107S42-01	2107S60-01	10-2 (brown, gray)	10 (solid green)	250'	1000'	160	0.560
2108S42-01	2108S60-01	10-3 (brown, orange, gray)	10 (solid green)	250'	1000'	215	0.600
2109S42-01	2109S60-01	10-4 (brown, orange, yellow, gray)	10 (solid green)	250'	1000'	260	0.645
Stranded Conductors							
2158S42-01	2158S60-01	12-2 Stranded (brown, gray)	12 (solid green)	250'	1000'	110	0.495
2159S42-01	2159S60-01	12-3 Stranded (brown, orange, gray)	12 (solid green)	250'	1000'	135	0.530
2160S42-01	2160S60-01	12-4 Stranded (brown, orange, yellow, gray)	12 (solid green)	250'	1000'	170	0.565
2161S42-01	2161S60-01	10-2 Stranded (brown, gray)	10 (solid green)	250'	1000'	160	0.560
2162S42-01	2162S60-01	10-3 Stranded brown, orange, gray)	10 (solid green)	250'	1000'	215	0.600
2163S42-01	2163S60-01	10-4 Stranded (brown, orange, yellow, gray)	10 (solid green)	250'	1000'	260	0.645
"Special 480Y/277V Colors"							
2104S42-02	2104S60-02	12-2 (orange, gray)	12 (solid green)	250'	1000'	110	0.495
2104S42-03	2104S60-03	12-2 (yellow, gray)	12 (solid green)	250'	1000'	110	0.495
2104S42-07	2104S60-07	12-2 (purple, gray)	12 (solid green)	250'	1000'	110	0.495
2105S42-02	2105S60-02	12-3 (orange, yellow, gray)	12 (solid green)	250'	1000'	135	0.530
2105S42-03	2105S60-03	12-3 (brown, yellow, gray)	12 (solid green)	250'	1000'	135	0.530
2105S42-07	2105S60-07	12-3 (brown, purple, gray)	12 (solid green)	250'	1000'	135	0.530
2106S42-07	2106S60-07	12-4 (purple, brown, yellow, gray)	12 (solid green)	250'	1000'	170	0.565
2107S42-02	2107S60-02	10-2 (orange, gray)	10 (solid green)	250'	1000'	160	0.560
2107S42-03	2107S60-03	10-2 (yellow, gray)	10 (solid green)	250'	1000'	160	0.560
2107S42-07	2107S60-07	10-2 (purple, gray)	10 (solid green)	250'	1000'	160	0.560
2108S42-02	2108S60-02	10-3 (orange, yellow, gray)	10 (solid green)	250'	1000'	215	0.600
2108S42-03	2108S60-03	10-3 (brown, yellow, gray)	10 (solid green)	250'	1000'	215	0.600
2108S42-07	2108S60-07	10-3 (brown, purple, gray)	10 (solid green)	250'	1000'	215	0.600
2109S42-07	2109S60-07	10-4 (purple, brown, yellow, gray)	10 (solid green)	250'	1000'	260	0.645
Stranded "Special 480Y/277V Colors"							
2158S42-02	2158S60-02	12-2 Stranded (orange, gray)	12 (solid green)	250'	1000'	110	0.495
2158S42-03	2158S60-03	12-2 Stranded (yellow, gray)	12 (solid green)	250'	1000'	110	0.495

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

MC-Lite® is also available in 8AWG and larger, see page 12.

