

MC Lite[®] Metal Clad Aluminum Armored Cable

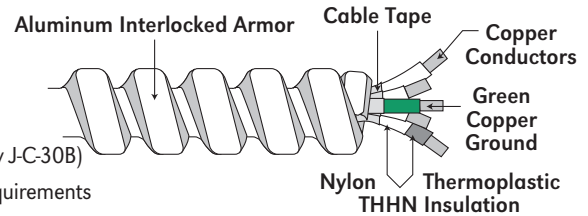
Traditional Type MC (120/208V & 480Y/277V, 10AWG & Larger) Technical Specifications

Specification Description

Specification	MC Lite[®]
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	White for 120/208V circuits Grey for 480Y/277V circuits
Maximum Voltage Rating	600V

References & Ratings

- UL 83, 1479, 1569, 1581, 2556, File Reference E80042
- NEC[®] 230.43, 300.22(C), 392, 396, 330, 501, 502, 503, 530, 504, 505, 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 Rated, install per NEC[®]
- UL Classified 1, 2, and 3 hour through (Fire) penetration product, R-14141
- Environmental Air-Handling Space Installation per NEC[®] 300.22(C)
- RoHS Compliant
- Made in USA of US and/or imported materials



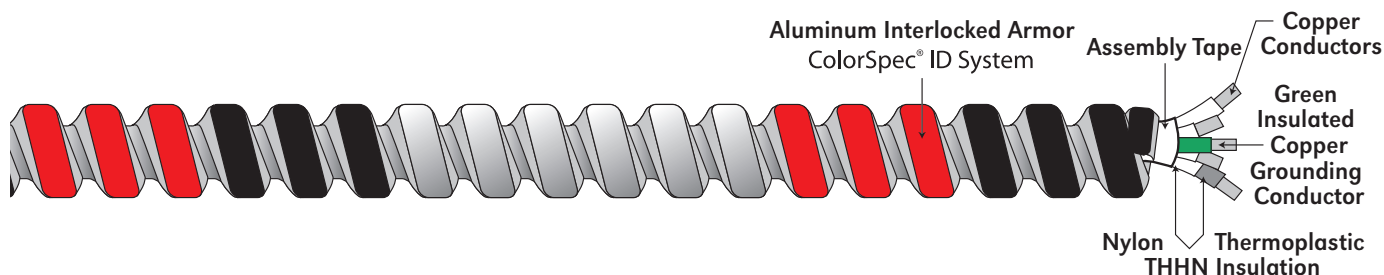
Product Codes, Trade Sizes, Conductors, Packaging & Weights

Product Code Coil	Reel	Trade Size	Grounding Conductor AWG	Length (feet)		Approx. Weight/1000 Feet (lbs.)	Armor Minimum O.D. (inches)
				Coil	Reel		
120/208V Solid Conductor Colors							
2107-42-00	2107-60-00	10-2 Solid (black, white)	10 (solid green)	250'	1000'	160	0.560
2108-42-00	2108-60-00	10-3 Solid (black, red, white)	10 (solid green)	250'	1000'	215	0.600
2109-42-00	2109-60-00	10-4 Solid (black, red, blue, white)	10 (solid green)	250'	1000'	260	0.645
2107-42-04	2107-60-04	10-2 Solid (red, white)	10 (solid green)	250'	1000'	160	0.560
2107-42-05	2107-60-05	10-2 Solid (blue, white)	10 (solid green)	250'	1000'	160	0.560
2108-42-04	2108-60-04	10-3 Solid (red, blue, white)	10 (solid green)	250'	1000'	215	0.600
2108-42-05	2108-60-05	10-3 Solid (black, blue, white)	10 (solid green)	250'	1000'	215	0.600
120/208V Stranded Conductor Colors							
2161-42-00	2161-60-00	10-2 Stranded (black, white)	10 (stranded green)	250'	1000'	160	0.560
2162-42-00	2162-60-00	10-3 Stranded (black, red, white)	10 (stranded green)	250'	1000'	215	0.600
2163-42-00	2163-60-00	10-4 Stranded (black, red, blue, white)	10 (stranded green)	250'	1000'	260	0.645
2115-40-00	2115-45-00	8-2 Stranded (black, white)	10 (solid green)	200'	500'	265	0.635
2116-40-00	2116-45-00	8-3 Stranded (black, red, white)	10 (solid green)	200'	500'	335	0.685
2117-32-00	2117-45-00	8-4 Stranded (black, red, blue, white)	10 (solid green)	125'	500'	415	0.835
2119-32-00	2119-45-00	6-2 Stranded (black, white)	8 (stranded green)	125'	500'	370	0.795
2120-32-00	2120-45-00	6-3 Stranded (black, red, white)	8 (stranded green)	125'	500'	480	0.855
2121-30-00	2121-45-00	6-4 Stranded (black, red, blue, white)	8 (stranded green)	100'	500'	595	0.945
2124-30-00	2124-45-00	4-3 Stranded (black, red, white)	8 (stranded green)	100'	500'	690	1.035
2125-30-00	2125-45-00	4-4 Stranded (black, red, blue, white)	8 (stranded green)	100'	500'	870	1.135
2128-30-00	2128-45-00	3-3 Stranded (black, red, white)	6 (stranded green)	100'	500'	815	1.025
2129-30-00	2129-45-00	3-4 Stranded (black, red, blue, white)	6 (stranded green)	100'	500'	1025	1.120
2126-30-00	2126-45-00	2-3 Stranded (black, red, white)	6 (stranded green)	100'	500'	1000	1.180
2127-30-00	2127-45-00	2-4 Stranded (black, red, blue, white)	6 (stranded green)	100'	500'	1260	1.295
2137-30-00	2137-45-00	1-3 Stranded (black, red, white)	6 (stranded green)	100'	500'	1195	1.185
2161-42-01	2161-60-01	10-2 Stranded (brown, gray)	10 (stranded green)	250'	1000'	160	0.560
2163-42-01	2163-60-01	10-4 Stranded (brown, orange, yellow, gray)	10 (stranded green)	250'	1000'	260	0.645
480Y/277V Solid Conductor Colors							
2107-42-01	2107-60-01	10-2 Solid (brown, gray)	10 (solid green)	250'	1000'	160	0.560
2108-42-01	2108-60-01	10-3 Solid (brown, orange, gray)	10 (solid green)	250'	1000'	215	0.600
2109-42-01	2109-60-01	10-4 Solid (brown, orange, yellow, gray)	10 (solid green)	250'	1000'	260	0.645
2107-42-02	2107-60-02	10-2 Solid (orange, gray)	10 (solid green)	250'	1000'	160	0.560
2107-42-03	2107-60-03	10-2 Solid (yellow, gray)	10 (solid green)	250'	1000'	160	0.560
2108-42-02	2108-60-02	10-3 Solid (orange, yellow, gray)	10 (solid green)	250'	1000'	215	0.600
2108-42-03	2108-60-03	10-3 Solid (brown, yellow, gray)	10 (solid green)	250'	1000'	215	0.600
480Y/277V Stranded Conductor Colors							
2115-40-01	2115-45-01	8-2 Stranded (brown, gray)	10 (solid green)	200'	500'	329	0.635
2116-40-01	2116-45-01	8-3 Stranded (brown, orange, gray)	10 (solid green)	200'	500'	432	0.685
2117-32-01	2117-45-01	8-4 Stranded (brown, orange, yellow, gray)	10 (solid green)	125'	500'	511	0.835
2120-32-01	2120-45-01	6-3 Stranded (brown, orange, gray)	8 (stranded green)	125'	500'	594	0.855
2121-30-01	2121-45-01	6-4 Stranded (brown, orange, yellow, gray)	8 (stranded green)	100'	500'	595	0.945

NOTE: All dimensions and weights are subject to normal manufacturing tolerances. Other conductor colors available by special order.
* Stranded conductors available by special order.

MC Lite[®] Aluminum Armored Cable

Traditional Type MC (120/208V) 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	White 120 /208V
Maximum Voltage Rating	600V

References & Ratings

- UL 83, 1479, 1569, 1581, 2556, File Reference E80042
- NEC[®] 230.43, 300.22(C), 392, 396, 330, 501, 502, 503, 530, 504, 505, 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 rated, install per NEC[®]
- UL Classified 1, 2, and 3 hour through (Fire) penetration product, R-14141
- Environmental Air-Handling Space Installation per NEC[®] 300.22(C)
- Aluminum armored cables are RoHS Compliant
- Made in USA of US and/or imported materials

Product Codes, Trade Sizes, Conductors, Packaging & Weights

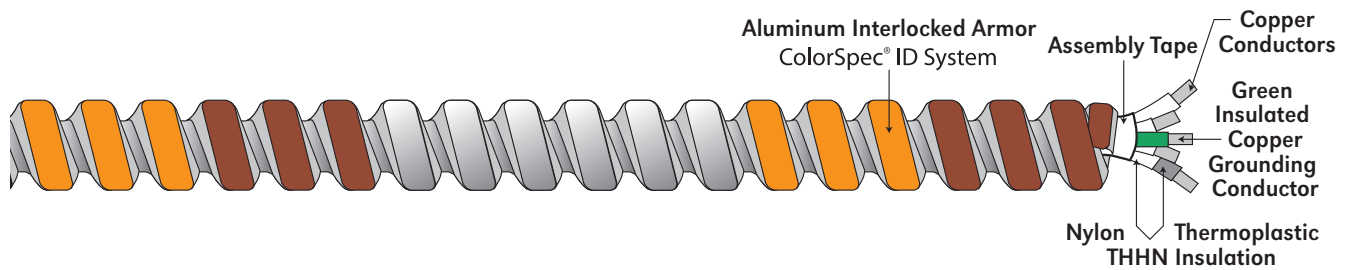
Product Code		Trade Size	Grounding Conductor AWG	Length (feet)		Approx. Weight/1000 Feet (lbs.)	Armor Minimum O.D. (inches)
Coil	Reel			Coil	Reel		
2101S42-00	2101S60-00	14-2 Solid (black, white)	14 (solid green)	250'	1000'	80	0.470
2102S42-00	2102S60-00	14-3 Solid (black, red, white)	14 (solid green)	250'	1000'	100	0.480
2103S42-00	2103S60-00	14-4 Solid (black, red, blue, white)	14 (solid green)	250'	1000'	120	0.510
2104S42-00	2104S60-00	12-2 Solid (black, white)	12 (solid green)	250'	1000'	110	0.495
2105S42-00	2105S60-00	12-3 Solid (black, red, white)	12 (solid green)	250'	1000'	135	0.530
2106S42-00	2106S60-00	12-4 Solid (black, red, blue, white)	12 (solid green)	250'	1000'	170	0.565
Special 120/208V Colors							
2104S42-04	2104S60-04	12-2 Solid (red, white)	12 (solid green)	250'	1000'	110	0.495
2104S42-05	2104S60-05	12-2 Solid (blue, white)	12 (solid green)	250'	1000'	110	0.495
2105S42-04	2105S60-04	12-3 Solid (red, blue, white)	12 (solid green)	250'	1000'	135	0.530
2105S42-05	2105S60-05	12-3 Solid (black, blue, white)	12 (solid green)	250'	1000'	135	0.530
Stranded Conductor							
2158S42-00	2158S60-00	12-2 Stranded (black, white)	12 (stranded green)	250'	1000'	110	0.495
2159S42-00	2159S60-00	12-3 Stranded (black, red, white)	12 (stranded green)	250'	1000'	135	0.530
2160S42-00	2160S60-00	12-4 Stranded (black, red, blue, white)	12 (stranded green)	250'	1000'	170	0.565

MC Lite[®] is also available in 10 AWG and larger, see page 21.

NOTE: All dimensions and weights are subject to normal manufacturing tolerances. Other conductor colors available by special order.

MC Lite® Aluminum Armored Cable

Traditional Type MC (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	Grey for 480Y/277V circuits
Maximum Voltage Rating	600V

References & Ratings

- UL 83, 1479, 1569, 1581, 2556, File Reference E80042
- NEC® 230.43, 300.22(C), 392, 396, 330, 501, 502, 503, 530, 504, 505, 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 Rated, install per NEC®
- UL Classified 1, 2, and 3 hour through (Fire) penetration product, R-14141
- Environmental Air-Handling Space Installation per NEC® 300.22(C)
- Aluminum armored cables are RoHS Compliant
- Made in USA of US and/or imported materials

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 Solid (brown, gray)	12 (solid green)	250'	1000'	110	0.495
2104S42-02	2104S60-02	12-2 Solid (orange, gray)	12 (solid green)	250'	1000'	110	0.495
2104S42-03	2104S60-03	12-2 Solid (yellow gray)	12 (solid green)	250'	1000'	110	0.495
2104S42-07	2104S60-07	12-2 Solid (purple, gray)	12 (solid green)	250'	1000'	110	0.495
2105S42-01	2105S60-01	12-3 Solid (brown, orange, gray)	12 (solid green)	250'	1000'	135	0.530
2105S42-02	2105S60-02	12-3 Solid (orange, yellow, gray)	12 (solid green)	250'	1000'	135	0.530
2105S42-03	2105S60-03	12-3 Solid (brown, yellow, gray)	12 (solid green)	250'	1000'	135	0.530
2105S42-07	2105S60-07	12-3 Solid (brown, purple, gray)	12 (solid green)	250'	1000'	135	0.530
2106S42-01	2106S60-01	12-4 Solid (brown, orange, yellow, gray)	12 (solid green)	250'	1000'	170	0.565
2158S42-01	2158S60-01	12-2 Stranded (brown, gray)	12 (stranded green)	250'	1000'	110	0.495
2158S42-02	2158S60-02	12-2 Stranded (orange, gray)	12 (stranded green)	250'	1000'	110	0.495
2158S42-03	2158S60-03	12-2 Stranded (yellow, gray)	12 (stranded green)	250'	1000'	110	0.495
2159S42-01	2159S60-01	12-3 Stranded (brown, orange, gray)	12 (stranded green)	250'	1000'	135	0.530
2160S42-01	2160S60-01	12-4 Stranded (brown, orange, yellow, gray)	12 (stranded green)	250'	1000'	170	0.565

MC Lite® is also available in 10 AWG and larger, see page 21.

NOTE: All dimensions and weights are subject to normal manufacturing tolerances. Other conductor colors available by special order.