

# MC Lite<sup>®</sup> Aluminum Armored Cable

## Type MC (120/208V Colors) Technical Specifications

**Armor**

Interlocked Aluminum Strip with ColorSpec<sup>®</sup> ID

**Conductors**

Solid or Stranded Copper

**Conductor Insulation**

THHN/THWN

**Assembly Covering**

Polypropylene Tape

**Maximum Temperature Rating**

90°C (Dry)

**Grounding**

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<sup>®</sup> 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<sup>®</sup>
- UL Classified 1, 2, and 3 hour through (Fire) penetration product, R14141
- Environmental Air-Handling Space Installation per NEC<sup>®</sup> 300.22(C)
- Aluminum armored cables are RoHS Compliant
- U.S. Patent No. 8,278,554 B2
- Made in USA of US and/or imported materials

Product Code No.		Trade Size	Grounding Conductor AWG	Length (ft)		Approx. Weight/ 1,000ft (lbs)	Approx. Armor O.D. (in)
Coil	Reel			Coil	Reel		
<b>MC Lite<sup>®</sup> Aluminum Armored Cable</b>							
<b>Solid 120/208V Colors</b>							
2101S42-00	2101S60-00	14-2 Solid (Black, White)	14 Solid (Green)	250	1000	78	0.474
2102S42-00	2102S60-00	14-3 Solid (Black, Red, White)	14 Solid (Green)	250	1000	100	0.48
2103S42-00	2103S60-00	14-4 Solid (Black, Red, Blue, White)	14 Solid (Green)	250	1000	120	0.51
2104S42-00	2104S60-00	12-2 Solid (Black, White)	12 Solid (Green)	250	1000	106	0.517
2105S42-00	2105S60-00	12-3 Solid (Black, Red, White)	12 Solid (Green)	250	1000	134	0.549
2106S42-00	2106S60-00	12-4 Solid (Black, Red, Blue, White)	12 Solid (Green)	250	1000	162	0.586
<b>Special 120/208V Colors</b>							
2104S42-04	2104S60-04	12-2 Solid (Red, White)	12 Solid (Green)	250	1000	106	0.517
2104S42-05	2104S60-05	12-2 Solid (Blue, White)	12 Solid (Green)	250	1000	106	0.517
2105S42-04	2105S60-04	12-3 Solid (Red, Blue, White)	12 Solid (Green)	250	1000	134	0.549
2105S42-05	2105S60-05	12-3 Solid (Black, Blue, White)	12 Solid (Green)	250	1000	134	0.549
<b>Stranded Conductor</b>							
2158S42-00	2158S60-00	12-2 Stranded (Black, White)	12 Stranded (Green)	250	1000	111	0.538
2159S42-00	2159S60-00	12-3 Stranded (Black, Red, White)	12 Stranded (Green)	250	1000	140	0.573
2160S42-00	2160S60-00	12-4 Stranded (Black, Red, Blue, White)	12 Stranded (Green)	250	1000	170	0.565

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

**MC Lite<sup>®</sup> is also available in 8 AWG through 1-4, see page 40.**

# MC Lite<sup>®</sup> Aluminum Armored Cable

## Type MC (277/480V Colors) Technical Specifications

**Armor**

Interlocked Aluminum Strip with ColorSpec<sup>®</sup> ID

**Conductors**

Solid or Stranded Copper

**Conductor Insulation**

THHN/THWN

**Assembly Covering**

Polypropylene Tape

**Maximum Temperature Rating**

90°C (Dry)

**Grounding**

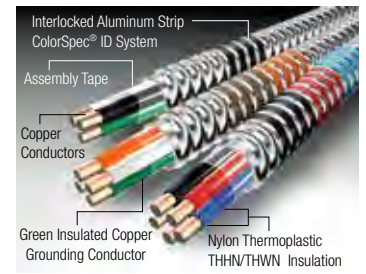
Insulated Green Grounding Conductor

**Neutral Conductor**

Gray 277/480V

**Maximum Voltage Rating**

600V



MC CABLES

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Product Code No.		Trade Size	Grounding Conductor AWG	Length (ft)		Approx. Weight/ 1,000ft (lbs)	Approx. Armor O.D. (in)
Coil	Reel			Coil	Reel		
<b>Solid 277/408V</b>							
2104S42-01	2104S60-01	12-2 Solid (Brown, Gray)	12 Solid (Green)	250	1000	106	0.517
2104S42-02	2104S60-02	12-2 Solid (Orange, Gray)	12 Solid (Green)	250	1000	106	0.517
2104S42-03	2104S60-03	12-2 Solid (Yellow, Gray)	12 Solid (Green)	250	1000	106	0.517
2104S42-07	2104S60-07	12-2 Solid (Purple, Gray)	12 Solid (Green)	250	1000	106	0.517
2105S42-01	2105S60-01	12-3 Solid (Brown, Orange, Gray)	12 Solid (Green)	250	1000	134	0.549
2105S42-02	2105S60-02	12-3 Solid (Orange, Yellow, Gray)	12 Solid (Green)	250	1000	134	0.549
2105S42-03	2105S60-03	12-3 Solid (Brown, Yellow, Gray)	12 Solid (Green)	250	1000	134	0.549
2105S42-07	2105S60-07	12-3 Solid (Brown, Purple, Gray)	12 Solid (Green)	250	1000	134	0.549
2106S42-01	2106S60-01	12-4 Solid (Brown, Orange, Yellow, Gray)	12 Solid (Green)	250	1000	162	0.586
<b>Stranded 277/408V</b>							
2158S42-01	2158S60-01	12-2 Stranded (Brown, Gray)	12 Stranded (Green)	250	1000	111	0.538
2158S42-02	2158S60-02	12-2 Stranded (Orange, Gray)	12 Stranded (Green)	250	1000	111	0.538
2158S42-03	2158S60-03	12-2 Stranded (Yellow, Gray)	12 Stranded (Green)	250	1000	111	0.538
2159S42-01	2159S60-01	12-3 Stranded (Brown, Orange, Gray)	12 Stranded (Green)	250	1000	140	0.573
2160S42-01	2160S60-01	12-4 Stranded (Brown, Orange, Yellow, Gray)	12 Stranded (Green)	250	1000	169	0.613

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

**MC Lite<sup>®</sup> is also available in 8 AWG-2 through 2 AWG-4, see page 38.**

# MC Lite® Aluminum Armored Cable

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Interlocked Aluminum Strip with ColorSpec® ID

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Solid or Stranded Copper

**Conductor Insulation**

THHN/THWN

**Assembly Covering**

Polypropylene Tape

**Maximum Temperature Rating**

90°C (Dry)

**Grounding**

Insulated Green Grounding Conductor

**Neutral Conductor**

White 120/208V

**Maximum Voltage Rating**

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2103S42-00	2103S60-00	14-4 Solid (Black, Red, Blue, White)	14 Solid (Green)	250	1000	120	0.51
2104S42-00	2104S60-00	12-2 Solid (Black, White)	12 Solid (Green)	250	1000	106	0.517
2105S42-00	2105S60-00	12-3 Solid (Black, Red, White)	12 Solid (Green)	250	1000	134	0.549
2106S42-00	2106S60-00	12-4 Solid (Black, Red, Blue, White)	12 Solid (Green)	250	1000	162	0.586
<b>Special 120/208V Colors</b>							
2104S42-04	2104S60-04	12-2 Solid (Red, White)	12 Solid (Green)	250	1000	106	0.517
2104S42-05	2104S60-05	12-2 Solid (Blue, White)	12 Solid (Green)	250	1000	106	0.517
2105S42-04	2105S60-04	12-3 Solid (Red, Blue, White)	12 Solid (Green)	250	1000	134	0.549
2105S42-05	2105S60-05	12-3 Solid (Black, Blue, White)	12 Solid (Green)	250	1000	134	0.549
<b>Stranded Conductor</b>							
2158S42-00	2158S60-00	12-2 Stranded (Black, White)	12 Stranded (Green)	250	1000	111	0.538
2159S42-00	2159S60-00	12-3 Stranded (Black, Red, White)	12 Stranded (Green)	250	1000	140	0.573
2160S42-00	2160S60-00	12-4 Stranded (Black, Red, Blue, White)	12 Stranded (Green)	250	1000	170	0.565

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

MC Lite® is also available in 8 AWG through 1-4, see page 40.

# MC Lite® Aluminum Armored Cable

## Type MC (277/480V Colors) Technical Specifications

**Armor**

Interlocked Aluminum Strip with ColorSpec® ID

**Conductors**

Solid or Stranded Copper

**Conductor Insulation**

THHN/THWN

**Assembly Covering**

Polypropylene Tape

**Maximum Temperature Rating**

90°C (Dry)

**Grounding**

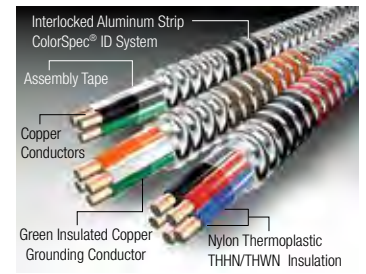
Insulated Green Grounding Conductor

**Neutral Conductor**

Gray 277/480V

**Maximum Voltage Rating**

600V



MC CABLES

**References & Ratings**

- UL 83, 1479, 1569, 1581, 2556, File Reference E80042
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2104S42-02	2104S60-02	12-2 Solid (Orange, Gray)	12 Solid (Green)	250	1000	106	0.517
2104S42-03	2104S60-03	12-2 Solid (Yellow, Gray)	12 Solid (Green)	250	1000	106	0.517
2104S42-07	2104S60-07	12-2 Solid (Purple, Gray)	12 Solid (Green)	250	1000	106	0.517
2105S42-01	2105S60-01	12-3 Solid (Brown, Orange, Gray)	12 Solid (Green)	250	1000	134	0.549
2105S42-02	2105S60-02	12-3 Solid (Orange, Yellow, Gray)	12 Solid (Green)	250	1000	134	0.549
2105S42-03	2105S60-03	12-3 Solid (Brown, Yellow, Gray)	12 Solid (Green)	250	1000	134	0.549
2105S42-07	2105S60-07	12-3 Solid (Brown, Purple, Gray)	12 Solid (Green)	250	1000	134	0.549
2106S42-01	2106S60-01	12-4 Solid (Brown, Orange, Yellow, Gray)	12 Solid (Green)	250	1000	162	0.586
<b>Stranded 277/408V</b>							
2158S42-01	2158S60-01	12-2 Stranded (Brown, Gray)	12 Stranded (Green)	250	1000	111	0.538
2158S42-02	2158S60-02	12-2 Stranded (Orange, Gray)	12 Stranded (Green)	250	1000	111	0.538
2158S42-03	2158S60-03	12-2 Stranded (Yellow, Gray)	12 Stranded (Green)	250	1000	111	0.538
2159S42-01	2159S60-01	12-3 Stranded (Brown, Orange, Gray)	12 Stranded (Green)	250	1000	140	0.573
2160S42-01	2160S60-01	12-4 Stranded (Brown, Orange, Yellow, Gray)	12 Stranded (Green)	250	1000	169	0.613

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

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