

MC-Quik® Lite Aluminum Armored Cable (Solid)

Type MCI-A Cables (120/208V & 277/480V) Technical Specifications

Armor

Interlocked Aluminum Strip

Conductors

Solid Copper

Conductor Insulation

Type THHN with Protective Polypropylene Covering on Each Insulated Conductor (No Assembly Tape)

Maximum Temperature Rating

90°C (Dry)

Grounding

Combined Armor and Full-Sized Aluminum Ground/Bond Conductor NEC® 250.118(10)(b)

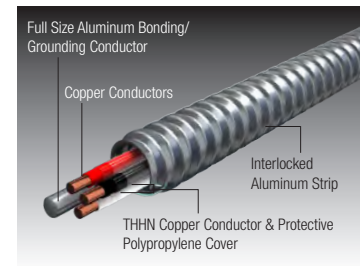
Neutral Conductor

White 120/208V

Gray 277/480V

Maximum Voltage Rating

600V



References & Ratings

- UL 1569, 83, 1479, 1581, 2556, File Reference E80042
- Federal spec A-A-59544 (formerly J-C-30B)
- NEC® 330, 300.22(C), 230.43, 250.118, 392, 396, 501, 502, 503, 530, 518, 520, 645, 690.31(E)
- Meets all OSHA and HUD requirements
- May be surface mounted, fished and/or embedded in plaster
- UL Classified 1, 2, and 3 hour through (Fire) penetration product, R14141
- NEC® 300.22(C) Environmental Air Handling Spaces
- Cable Tray Rated, install per NEC®
- U.S. Patent No. 8,088,997 B2
- Made in USA of US and/or imported materials

Product Code		Trade Size AWG	Bare Alum. Bonding/ Bond Cond. AWG	Length (ft)		Approx. Weight/ 1,000ft (lbs)	Armor Nom. O.D. (in)
250' Coil	1000' Reel			Coil	Reel		
MC-Quik® Lite Cable							
120/208V Solid							
3101Z42-00	3101Z60-00	14-2 Solid ((Black, White)	12	250	1000	66	0.422
3102Z42-00	3102Z60-00	14-3 Solid (Black, Red, White)	12	250	1000	88	0.467
3103Z42-00*	3103Z60-00*	14-4 Solid (Black, Red, Blue, White)	12	250	1000	109	0.503
3104Z42-00	3104Z60-00	12-2 Solid (Black, White)	10	250	1000	90	0.463
3104Z42-04	3104Z60-04	12-2 Solid (Red, White)	10	250	1000	90	0.463
3104Z42-05	3104Z60-05	12-2 Solid (Blue, White)	10	250	1000	90	0.463
3105Z42-00	3105Z60-00	12-3 Solid (Black, Red, White)	10	250	1000	122	0.523
3105Z42-04*	3105Z60-04*	12-3 Solid (Red, Blue, White)	10	250	1000	122	0.523
3105Z42-05*	3105Z60-05*	12-3 Solid (Black, Blue, White)	10	250	1000	122	0.523
3106Z42-00	3106Z60-00	12-4 Solid (Black, Red, Blue, White)	10	250	1000	151	0.565
3107Z42-00	3107Z60-00	10-2 Solid (Black, White)	8	250	1000	131	0.525
3107Z42-04*	3107Z60-04*	10-2 Solid (Red, White)	8	250	1000	131	0.525
3107Z42-05*	3107Z60-05*	10-2 Solid (Blue, White)	8	250	1000	131	0.525
3108Z42-00	3108Z60-00	10-3 Solid (Black, Red, White)	8	250	1000	178	0.601
3108Z42-04*	3108Z60-04*	10-3 Solid (Red, Blue, White)	8	250	1000	178	0.601
3108Z42-05*	3108Z60-05*	10-3 Solid (Black, Blue, White)	8	250	1000	178	0.601
3109Z42-00	3109Z60-00	10-4 Solid (Black, Red, Blue, White)	8	250	1000	242	0.651
277/480V Solid							
3104Z42-01	3104Z60-01	12-2 Solid (Brown, Gray)	10	250	1000	90	0.463
3104Z42-02	3104Z60-02	12-2 Solid (Orange, Gray)	10	250	1000	90	0.463
3104Z42-03	3104Z60-03	12-2 Solid (Yellow, Gray)	10	250	1000	90	0.463
3104Z42-07*	3104Z60-07*	12-2 Solid (Purple, Gray)	10	250	1000	90	0.463
3105Z42-01	3105Z60-01	12-3 Solid (Brown, Orange, Gray)	10	250	1000	122	0.523
3105Z42-02*	3105Z60-02*	12-3 Solid (Orange, Yellow, Gray)	10	250	1000	122	0.523
3105Z42-03*	3105Z60-03*	12-3 Solid (Yellow, Brown, Gray)	10	250	1000	122	0.523
3106Z42-01	3106Z60-01	12-4 Solid (Brown, Orange, Yellow, Gray)	10	250	1000	151	0.565
3107Z42-01	3107Z60-01	10-2 Solid (Brown, Gray)	8	250	1000	131	0.525
3107Z42-02*	3107Z60-02*	10-2 Solid (Orange, Gray)	8	250	1000	131	0.525
3107Z42-03*	3107Z60-03*	10-2 Solid (Yellow, Gray)	8	250	1000	131	0.525
3108Z42-01	3108Z60-01	10-3 Solid (Brown, Orange, Gray)	8	250	1000	178	0.601
3108Z42-02	3108Z60-02	10-3 Solid (Orange, Yellow, Gray)	8	250	1000	178	0.601
3108Z42-03	3108Z60-03	10-3 Solid (Brown, Yellow, Gray)	8	250	1000	178	0.601
3109Z42-01	3109Z60-01	10-4 Solid (Brown, Orange, Yellow, Gray)	8	250	1000	242	0.651

NOTE: All dimensions and weights are subject to normal manufacturing tolerances.

* Special Order, subject to lead times and minimum order quantities.

USE WITH AN MCI-A LISTED CONNECTOR.

MC-Quik® Lite Aluminum Armored Cable (Stranded)

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Stranded Copper

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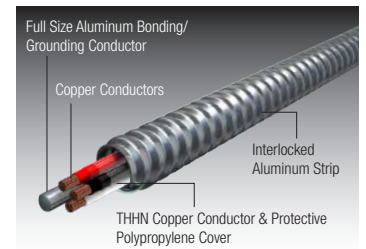
Neutral Conductor

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250' Coil	1000' Reel			Coil	Reel		
MC-Quik® Lite Cable							
120/208V Stranded							
3158Z42-00	3158Z60-00	12-2 Stranded (Black, White)	10	250	1000	94	0.482
3158Z42-04	3158Z60-04	12-2 Stranded (Red, White)	10	250	1000	94	0.482
3158Z42-05	3158Z60-05	12-2 Stranded (Blue, White)	10	250	1000	94	0.482
3159Z42-00	3159Z60-00	12-3 Stranded (Black, Red, White)	10	250	1000	126	0.523
3160Z42-00	3160Z60-00	12-4 Stranded (Black, Red, Blue, White)	10	250	1000	158	0.585
3161Z42-00	3161Z60-00	10-2 Stranded (Black, White)	8	250	1000	151	0.552
3162Z42-00	3162Z60-00	10-3 Stranded (Black, Red, White)	8	250	1000	202	0.625
3163Z42-00	3163Z60-00	10-4 Stranded (Black, Red, Blue, White)	8	250	1000	261	0.680
277/480V Stranded							
3158-42-01	3158-60-01	12-2 Stranded (Brown, Gray)	10	250	1000	94	0.482
3158-42-02	3158-60-02	12-2 Stranded (Orange, Gray)	10	250	1000	94	0.482
3158-42-03	3158-60-03	12-2 Stranded (Yellow, Gray)	10	250	1000	94	0.482
3159-42-01	3159-60-01	12-3 Stranded (Brown, Orange, Gray)	10	250	1000	126	0.539
3159-42-02*	3159-60-02*	12-3 Stranded (Orange, Yellow, Gray)	10	250	1000	126	0.539
3159-42-03*	3159-60-03*	12-3 Stranded (Brown, Yellow, Gray)	10	250	1000	126	0.539
3160-42-01	3160-60-01	12-4 Stranded (Brown, Orange, Yellow, Gray)	10	250	1000	158	0.585
3161-42-01	3161-60-01	10-2 Stranded (Brown, Gray)	8	250	1000	151	0.552
3162-42-01	3162-60-01	10-3 Stranded (Brown, Orange, Gray)	8	250	1000	202	0.625
3163-42-01	3163-60-01	10-4 Stranded (Brown, Orange, Yellow, Gray)	8	250	1000	260	0.680

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