

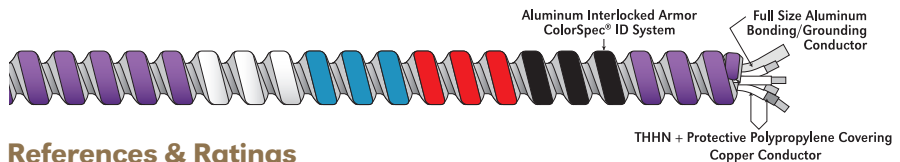
MC-Quik® Lite Aluminum Armored Cable

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



Specification Description

Specification	MC-Quik® Lite
Armor	Interlocked Aluminum Strip (purple striped)
Conductors	Solid/Stranded Copper
Conductor Insulation	Type THHN with protective polypropylene covering on each insulated conductor (no messy assembly tape)
Maximum Temperature Rating	90°C (dry)
Grounding	One grounding means - 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, UL 83, UL 1479, UL 1581, UL 2556, 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)
- Permitted for use in Cable Trays
- 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, R-14141
- NEC® 300.22(C) Environmental Air Handling Spaces
- Cable Tray Rated, install per NEC®
- Patent Pending
- Made in USA of US and/or imported materials

Product Codes, Trade Sizes, Conductors, Packaging & Weights

Product Code No.		Trade Size AWG	Copper Cond. Type	Conductor Colors	Bare Alum. Bonding/Bond Cond. AWG	Cable Nominal O.D. (in)	Approx. Weight 1000 Ft. (lbs.)
250' Coil	1000' Reel						
MC-Quik® Lite Cable							
120/208V Solid							
3101-42-00	3101-60-00	14/2	Solid	(black,white)	12	0.422	66
3102-42-00	3102-60-00	14/3	Solid	(black,red, white)	12	0.467	88
3103-42-00	3103-60-00	14/4	Solid	(black, red, blue, white)	12	0.503	109
3104-42-00	3104-60-00	12/2	Solid	(black, white)	10	0.463	90
3104-42-04	3104-60-04	12/2	Solid	(red, white)	10	0.463	90
3104-42-05	3104-60-05	12/2	Solid	(blue, white)	10	0.463	90
3105-42-00	3105-60-00	12/3	Solid	(black, red, white)	10	0.523	122
3105-42-04	3105-60-04	12/3	Solid	(red, blue, white)	10	0.523	122
3105-42-05	3105-60-05	12/3	Solid	(black, blue, white)	10	0.523	122
3106-42-00	3106-60-00	12/4	Solid	(black, red, blue, white)	10	0.565	151
3107-42-00	3107-60-00	10/2	Solid	(black, white)	8	0.525	131
3108-42-00	3108-60-00	10/3	Solid	(black, red, white)	8	0.601	178
3109-42-00	3109-60-00	10/4	Solid	(black, red, blue, white)	8	0.651	242
277/480V Solid							
3104-42-01	3104-60-01	12/2	Solid	(brown, gray)	10	0.463	90
3104-42-02	3104-60-02	12/2	Solid	(orange, gray)	10	0.463	90
3104-42-03	3104-60-03	12/2	Solid	(yellow, gray)	10	0.463	90
3104-42-07	3104-60-07	12/2	Solid	(purple, gray)	10	0.463	90
3105-42-01	3105-60-01	12/3	Solid	(brown, orange, gray)	10	0.523	122
3106-42-01	3106-60-01	12/4	Solid	(brown, orange, yellow, gray)	10	0.565	151
3107-42-01	3107-60-01	10/2	Solid	(brown, gray)	8	0.525	131
3107-42-02	3107-60-02	10/2	Solid	(orange, gray)	8	0.525	131
3107-42-03	3107-60-03	10/2	Solid	(yellow, gray)	8	0.525	131
3107-42-07	3107-60-07	10/2	Solid	(purple, gray)	8	0.525	131
3108-42-01	3108-60-01	10/3	Solid	(brown, orange, gray)	8	0.601	178
3108-42-02	3108-60-02	10/3	Solid	(orange, yellow, gray)	8	0.601	178
3108-42-03	3108-60-03	10/3	Solid	(yellow, brown, gray)	8	0.601	178
3108-42-07	3108-60-07	10/3	Solid	(purple, brown, gray)	8	0.601	178
3109-42-01	3109-60-01	10/4	Solid	(brown, orange, yellow, gray)	8	0.651	242
3109-42-07	3109-60-07	10/4	Solid	(purple, brown, yellow, gray)	8	0.651	242
120/208V Stranded							
3158-42-00	3158-60-00	12/2	Stranded	(black, white)	10	0.482	94
3158-42-04	3158-60-04	12/2	Stranded	(red, white)	10	0.482	94
3158-42-05	3158-60-05	12/2	Stranded	(blue, white)	10	0.482	94
3159-42-00	3159-60-00	12/3	Stranded	(black, red, white)	10	0.523	126
3160-42-00	3160-60-00	12/4	Stranded	(black, red, blue, white)	10	0.585	158
3161-42-00	3161-60-00	10/2	Stranded	(black, white)	8	0.552	151
3162-42-00	3162-60-00	10/3	Stranded	(black, red, white)	8	0.625	202
3163-42-00	3163-60-00	10/4	Stranded	(black, red, blue, white)	8	0.680	261
277/480V Stranded							
3158-42-01	3158-60-01	12/2	Stranded	(brown, gray)	10	0.482	94
3158-42-02	3158-60-02	12/2	Stranded	(orange, gray)	10	0.482	94
3158-42-03	3158-60-03	12/2	Stranded	(yellow, gray)	10	0.482	94
3159-42-01	3159-60-01	12/3	Stranded	(brown, orange, gray)	10	0.539	126
3159-42-02	3159-60-02	12/3	Stranded	(orange, yellow, gray)	10	0.539	126
3159-42-03	3159-60-03	12/3	Stranded	(yellow, brown gray)	10	0.539	126
3160-42-01	3160-60-01	12/4	Stranded	(brown, orange, yellow, gray)	10	0.585	158
3161-42-01	3161-60-01	10/2	Stranded	(brown, gray)	8	0.552	151
3162-42-01	3162-60-01	10/3	Stranded	(brown, orange, gray)	8	0.625	202
3163-42-01	3163-60-01	10/4	Stranded	(brown, orange, yellow, gray)	8	0.680	260

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

SEE CONNECTOR MCI-A CROSS-REFERENCE GUIDE FOR ASSISTANCE IN SELECTING AN MCI-A LISTED CONNECTOR.

*U.S. Patent 8,088,997