

MC-Quik® Lite Cable



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

AFC's innovative patented construction provides a protective covering over each insulated copper conductor eliminating the need for an assembly tape. This along with the combined aluminum bond wire and armor equipment ground path saves over 30% installation time over traditional MC.

Armor

Interlocked Aluminum Strip

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 120/208 V
Gray 277/480 V

Maximum Voltage Rating

600V

References & Ratings

- UL 1569, 83, 1479, 1581 and 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®
- Made in USA of US and/or imported materials



For more info visit atkore.com/afc



Product Code		Trade Size Awg	Bare Alum. Bonding/Bond Cond. Awg	Length (Ft)		Armor Nom. O.D. (in)	Approx Weight/ 1000 Feet (lbs)	Upc Code	
250' Coil	1000' Reel			Coil	Reel			250' Coil	1000' Reel
120/208V Solid									
3101Z42-00	3101Z60-00	14-2 Solid (Black, White)	12	250	1000	0.422	66	077680310705	077680312006
3102Z42-00	3102Z60-00	14-3 Solid (Black, Red, White)	12	250	1000	0.467	88	077680310729	077680323989
3103Z42-00*	3103Z60-00*	14-4 Solid (Black, Red, Blue, White)	12	250	1000	0.503	109	077680323996	077680324009
3104Z42-00	3104Z60-00	12-2 Solid (Black, White)	10	250	1000	0.463	90	077680288646	077680284068
3104Z42-04	3104Z60-04	12-2 Solid (Red, White)	10	250	1000	0.463	90	077680320858	077680313713
3104Z42-05	3104Z60-05	12-2 Solid (Blue, White)	10	250	1000	0.463	90	077680324023	077680317957
3105Z42-00	3105Z60-00	12-3 Solid (Black, Red, White)	10	250	1000	0.523	122	077680310613	077680284082
3105Z42-04*	3105Z60-04*	12-3 Solid (Red, Blue, White)	10	250	1000	0.523	122	077680324030	077680324054
3105Z42-05*	3105Z60-05*	12-3 Solid (Black, Blue, White)	10	250	1000	0.523	122	077680324047	077680324061
3106Z42-00	3106Z60-00	12-4 Solid (Black, Red, Blue, White)	10	250	1000	0.565	151	077680313737	077680306616
3107Z42-00	3107Z60-00	10-2 Solid (Black, White)	8	250	1000	0.525	131	077680310620	077680313522
3107Z42-04*	3107Z60-04*	10-2 Solid (Red, White)	8	250	1000	0.525	131	077680324689	077680324702
3107Z42-05*	3107Z60-05*	10-2 Solid (Blue, White)	8	250	1000	0.525	131	077680324696	077680324719
3108Z42-00	3108Z60-00	10-3 Solid (Black, Red, White)	8	250	1000	0.601	178	077680310644	077680284105
3108Z42-04*	3108Z60-04*	10-3 Solid (Red, Blue, White)	8	250	1000	0.601	178	077680324726	077680324740
3108Z42-05*	3108Z60-05*	10-3 Solid (Black, Blue, White)	8	250	1000	0.601	178	077680324733	077680324757
3109Z42-00	3109Z60-00	10-4 Solid (Black, Red, Blue, White)	8	250	1000	0.651	242	077680324092	077680324108
277/480V Solid									
3104Z42-01	3104Z60-01	12-2 Solid (Brown, Gray)	10	250	1000	0.463	90	077680313553	077680307118
3104Z42-02	3104Z60-02	12-2 Solid (Orange, Gray)	10	250	1000	0.463	90	077680313560	077680313577
3104Z42-03	3104Z60-03	12-2 Solid (Yellow, Gray)	10	250	1000	0.463	90	077680313683	077680317940
3104Z42-07*	3104Z60-07*	12-2 Solid (Purple, Gray)	10	250	1000	0.463	90	077680324122	077680324139
3105Z42-01	3105Z60-01	12-3 Solid (Brown, Orange, Gray)	10	250	1000	0.523	122	077680313706	077680307552
3105Z42-02*	3105Z60-02*	12-3 Solid (Orange, Yellow, Gray)	10	250	1000	0.523	122	077680321466	077680324764
3105Z42-03*	3105Z60-03*	12-3 Solid (Yellow, Brown, Gray)	10	250	1000	0.523	122	077680324788	077680324771
3106Z42-01	3106Z60-01	12-4 Solid (Brown, Orange, Yellow, Gray)	10	250	1000	0.565	151	077680313744	077680314284
3107Z42-01	3107Z60-01	10-2 Solid (Brown, Gray)	8	250	1000	0.525	131	077680321404	077680324184
3107Z42-02*	3107Z60-02*	10-2 Solid (Orange, Gray)	8	250	1000	0.525	131	077680324153	077680324191
3107Z42-03*	3107Z60-03*	10-2 Solid (Yellow, Gray)	8	250	1000	0.525	131	077680324160	077680324207
3108Z42-01	3108Z60-01	10-3 Solid (Brown, Orange, Gray)	8	250	1000	0.601	178	077680324252	077680324290
3108Z42-02	3108Z60-02	10-3 Solid (Orange, Yellow, Gray)	8	250	1000	0.601	178	077680324269	077680324306
3108Z42-03	3108Z60-03	10-3 Solid (Yellow, Brown, Gray)	8	250	1000	0.601	178	077680324276	077680324313
3109Z42-01	3109Z60-01	10-4 Solid (Brown, Orange, Yellow, Gray)	8	250	1000	0.651	242	077680321428	077680324382
120/208V Stranded									
3158Z42-00	3158Z60-00	12-2 Stranded (Black, White)	10	250	1000	0.482	94	077680313591	077680313638
3158Z42-04	3158Z60-04	12-2 Stranded (Red, White)	10	250	1000	0.482	94	077680318145	077680324412
3158Z42-05	3158Z60-05	12-2 Stranded (Blue, White)	10	250	1000	0.482	94	077680318817	077680324429
3159Z42-00	3159Z60-00	12-3 Stranded (Black, Red, White)	10	250	1000	0.523	126	077680313768	077680317988
3160Z42-00	3160Z60-00	12-4 Stranded (Black, Red, Blue, White)	10	250	1000	0.585	158	077680313782	077680314352
3161Z42-00	3161Z60-00	10-2 Stranded (Black, White)	8	250	1000	0.552	151	077680313539	077680284129
3162Z42-00	3162Z60-00	10-3 Stranded (Black, Red, White)	8	250	1000	0.625	202	077680313546	077680284143
3163Z42-00	3163Z60-00	10-4 Stranded (Black, Red, Blue, White)	8	250	1000	0.680	261	077680324443	077680324450
277/480V Stranded									
3158Z42-01	3158Z60-01	12-2 Stranded (Brown, Gray)	10	250	1000	0.482	94	077680313607	077680324467
3158Z42-02	3158Z60-02	12-2 Stranded (Orange, Gray)	10	250	1000	0.482	94	077680313614	077680318152
3158Z42-03	3158Z60-03	12-2 Stranded (Yellow, Gray)	10	250	1000	0.482	94	077680313621	077680324474
3159Z42-01	3159Z60-01	12-3 Stranded (Brown, Orange, Gray)	10	250	1000	0.539	126	077680317971	077680324481
3159Z42-02	3159Z60-02	12-3 Stranded (Orange, Yellow, Gray)	10	250	1000	0.539	126	077680318336	077680318909
3159Z42-03	3159Z60-03	12-3 Stranded (Yellow, Brown, Gray)	10	250	1000	0.539	126	077680318343	077680324498
3160Z42-01	3160Z60-01	12-4 Stranded (Brown, Orange, Yellow, Gray)	10	250	1000	0.585	158	077680318008	077680324504
3161Z42-01	3161Z60-01	10-2 Stranded (Brown, Gray)	8	250	1000	0.552	151	077680318022	077680324511
3162Z42-01	3162Z60-01	10-3 Stranded (Brown, Orange, Gray)	8	250	1000	0.625	202	077680320506	077680324528
3163Z42-01	3163Z60-01	10-4 Stranded (Brown, Orange, Yellow, Gray)	8	250	1000	0.680	260	077680318176	077680318183

Note: All dimensions and weights subject to normal manufacturing tolerances

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

