

MC INTERLOCKED ARMORED



- ▶ **3 Conductors**
- ▶ **FR-XLP**
- ▶ **AIA/PVC**
- ▶ **Type MC**
- ▶ **600V**

PRODUCT CONSTRUCTION

Conductor: 14 AWG through 750 kcmil bare copper. Class B stranding per ASTM B8.

Insulation: Cross-linked Polyethylene (XLP). Color-coded per ICEA Method 3, Table E-2.

Ground: Annealed bare copper Class B stranding per ASTM B8.

Armor: Aluminum Interlocked Armor (AIA)

Jacket: Flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC), black.

APPLICATIONS

For installation in exposed or concealed work in wet or dry locations, indoors or outdoors and cable trays. Permitted for use in Class I; Class II, Division 2; and Class III, Division 1 and 2 hazardous locations per the NEC. Ideal for use in commercial, industrial and utility applications that require ease of installation, maximum performance and fire resistance.

FEATURES

Rated at 90°C wet or dry. Provides excellent oil and chemical resistance. Excellent crush resistance. Provides a long service life. Cost-effective alternative to installations in conduit. Meets cold bend test at -25°C.

COMPLIANCES

Industry: UL 1569. UL 44. ICEA S-95-658/NEMA WC70. UL Type MC-600 volts, NEC Type XHHW-2 conductors.

Flame Test: IEEE 383 (70,000 BTU/hr). UL 1581 (70,000 BTU/hr). IEEE 1202 (70,000 BTU/hr) CSA FT4. ICEA T-29-520 (210,000 BTU/hr).

Other: EPA 40 CFR, Part 261, for leachable lead content per TCLP. OSHA acceptable.

USAWC Part #	Size (AWG or kcmil)	No. of Strands	Insul. Thick. (Mils)	Nom. Diam. Over Armor (Inches)	PVC Jkt. Thick. (Mils)	Nom. Diam. Over PVC Jkt. (Inches)	Copper Grounding Conductor (AWG)	Weight (lbs./1000 ft.)			Ampacity ¹	
								Alum. Armor	Steel Armor	Copper	90°C	75°C
USA14-03AIAWGPVC	14	7	30	.48	50	.58	14	185	235	52	25	20
USA12-03AIAWGPVC	12	7	30	.52	50	.63	12	230	265	84	30	25
USA10-03AIAWGPVC	10	7	30	.57	50	.68	10	300	360	128	40	35
USA8-03AIAWGPVC	8	7	45	.70	50	.80	10	410	565	189	55	50
USA6-03AIAWGPVC	6	7	45	.78	50	.88	8	550	735	300	75	65
USA4-03AIAWGPVC	4	7	45	.89	50	.99	8	740	950	447	95	85
USA2-03AIAWGPVC	2	7	45	1.01	50	1.12	6	1075	1315	710	130	115
USA1-03AIAWGPVC	1	19	55	1.16	50	1.27	6	1380	1630	873	150	130
USA1/0-03AIAWGPVC	1/0	19	55	1.23	50	1.34	6	1555	1855	1081	170	150
USA2/0-03AIAWGPVC	2/0	19	55	1.32	50	1.43	6	1850	2195	1341	195	175
USA3/0-03AIAWGPVC	3/0	19	55	1.46	50	1.57	4	2350	2665	1717	225	200
USA4/0-03AIAWGPVC	4/0	19	55	1.56	60	1.68	4	2820	3205	2130	260	230
USA250-03AIAWGPVC	250	37	65	1.74	60	1.86	4	3310	3940	2495	290	255
USA350-03AIAWGPVC	350	37	65	1.96	60	2.10	3	4475	4970	3474	350	310
USA500-03AIAWGPVC	500	37	65	2.24	60	2.37	2	6075	6580	4934	430	380
USA750-03AIAWGPVC	750	61	80	2.68	75	2.84	1	8960	9700	7351	535	475

¹AMPACITY in accordance with the NEC for cables installed in uncovered cable tray without maintained spacing at the conductor temperature indicated in wet or dry locations, 30°C ambient temperature.