

MC INTERLOCKED ARMORED



- ▶ **Multi-Conductor**
- ▶ **FR-XLP**
- ▶ **AIA/PVC**
- ▶ **Type MC**
- ▶ **600 V**

PRODUCT CONSTRUCTION

Conductor: 14, 12 or 10 AWG bare copper. Class B stranding per ASTM B3 and B8.

Insulation: Flame-retardant Cross-linked Polyethylene (XLP). Color-coded per ICEA Method 1, Table E-2 (does not include white or green).

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

In all raceways or direct burial. In wet or dry locations. Permitted for use in Class I, Division 2; and Class III, Division 1 and 2 per NEC Article 334.

FEATURES

Rated at 90°C wet or dry. Sunlight-resistant. Provides excellent oil and chemical resistance. Excellent crush resistance. Flame-retardant and resistant to moisture. 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.

14 AWG – 7 Strand

USAWC Part #	No. of Conductors	Ground Wire Size (AWG)	Nominal Diameter Over Armor (Inches)	Overall PVC Jacket (Mils)	Nominal Diameter (Inches)	Weight (lbs./1000 ft.)	
						Net	Copper
USA14-02AIAWGPVC	2	14	.46	50	.56	160	39
USA14-03AIAWGPVC	3	14	.48	50	.58	185	52
USA14-04AIAWGPVC	4	14	.53	50	.64	220	65
USA14-05AIAWGPVC	5	14	.55	50	.66	245	79
USA14-07AIAWGPVC	7	14	.59	50	.70	295	104
USA14-09AIAWGPVC	9	14	.68	50	.78	360	130
USA14-12AIAWGPVC	12	14	.76	50	.87	430	168
USA14-19AIAWGPVC	19	14	.90	50	1.00	590	259
USA14-25AIAWGPVC	25	14	1.03	50	1.14	750	337
USA14-37AIAWGPVC	37	14	1.17	50	1.27	1110	492

12 AWG – 7 Strand

USA12-02AIAWGPVC	2	12	.52	50	.61	205	64
USA12-03AIAWGPVC	3	12	.53	50	.63	230	83
USA12-04AIAWGPVC	4	12	.56	50	.67	275	103
USA12-05AIAWGPVC	5	12	.63	50	.73	315	129
USA12-07AIAWGPVC	7	12	.67	50	.78	375	165
USA12-09AIAWGPVC	9	12	.77	50	.87	460	214
USA12-12AIAWGPVC	12	12	.85	50	.96	570	279
USA12-19AIAWGPVC	19	12	1.00	50	1.10	790	428
USA12-25AIAWGPVC	25	12	1.15	50	1.26	1035	557
USA12-37AIAWGPVC	37	12	1.31	50	1.41	1395	793

10 AWG – 7 Strand

USA10-02AIAWGPVC	2	10	.57	50	.67	260	96
USA10-03AIAWGPVC	3	10	.58	50	.68	300	131
USA10-04AIAWGPVC	4	10	.64	50	.75	355	164
USA10-05AIAWGPVC	5	10	.69	50	.80	410	192
USA10-07AIAWGPVC	7	10	.75	50	.85	500	256
USA10-09AIAWGPVC	9	10	.86	50	.96	620	320
USA10-12AIAWGPVC	12	10	.96	50	1.07	770	416
USA10-19AIAWGPVC	19	10	1.12	50	1.22	1095	640
USA10-25AIAWGPVC	25	10	1.30	50	1.40	1390	832
USA10-37AIAWGPVC	37	10	1.48	50	1.58	1935	1216

- NOTES: 1. Standard color is Method 1 for NEC applications per Appendix E, Table E-2, of ICEA S-73-532.
2. Cables may be supplied with galvanized steel interlocked armor on request.