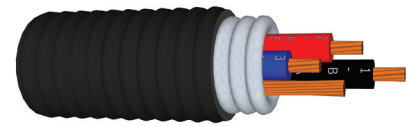


XLPE/AIA/PVC - Type MC

Multi-Conductor Armored Control/Power Cable with Ground

UL: 90°C dry, 90°C Wet, 600V



IEWC Part Number	AWG	No. of Conductors	Stranding	Ground AWG	Nominal Insulation Thickness		Nominal O.D. Over Armor		Nominal Jacket Thickness		Nominal O.D.		Approx. Weight	
					in	mm	in	mm	in	mm	in	mm	lbs/1k ft	kg/km
IA1402X*/6	14	2	7	14	0.030	0.8	0.490	12.5	0.050	1.3	0.600	15.3	175	261
IA1403X*/6		3	7	14	0.030	0.8	0.520	13.2	0.050	1.3	0.630	16.0	183	273
IA1404X*/6		4	7	14	0.030	0.8	0.550	14.0	0.050	1.3	0.660	16.8	233	347
IA1405X*/6		5	7	14	0.030	0.8	0.590	15.0	0.050	1.3	0.690	17.6	246	367
IA1407X*/6		7	7	14	0.030	0.8	0.640	16.3	0.050	1.3	0.740	18.8	297	443
IA1409X*/6		9	7	14	0.030	0.8	0.720	18.3	0.050	1.3	0.830	21.1	379	564
IA1412X*/6		12	7	14	0.030	0.8	0.800	20.3	0.050	1.3	0.900	22.9	460	685
IA1419X*/6		19	7	14	0.030	0.8	0.990	25.2	0.050	1.3	1.020	25.9	621	924
IA1425X*/6		25	7	14	0.030	0.8	1.070	27.2	0.050	1.3	1.170	29.7	776	1155
IA1437X*/6		37	7	14	0.030	0.8	1.190	30.3	0.050	1.3	1.290	32.8	1043	1533
IA1202X*/6	12	2	7	12	0.030	0.8	0.530	13.5	0.050	1.3	0.640	16.3	218	324
IA1203X*/6		3	7	12	0.030	0.8	0.560	14.3	0.050	1.3	0.660	16.8	227	338
IA1204X*/6		4	7	12	0.030	0.8	0.600	15.3	0.050	1.3	0.710	18.1	272	405
IA1205X*/6		5	7	12	0.030	0.8	0.640	16.3	0.050	1.3	0.750	19.1	336	500
IA1207X*/6		7	7	12	0.030	0.8	0.700	17.8	0.050	1.3	0.810	20.6	380	566
IA1209X*/6		9	7	12	0.030	0.8	0.780	19.8	0.050	1.3	0.890	22.6	479	713
IA1212X*/6		12	7	12	0.030	0.8	0.860	21.9	0.050	1.3	0.970	24.7	596	887
IA1219X*/6		19	7	12	0.030	0.8	0.990	25.2	0.050	1.3	1.100	28.0	830	1235
IA1225X*/6		25	7	12	0.030	0.8	1.180	30.0	0.050	1.3	1.280	32.5	1058	1575
IA1237X*/6		37	7	12	0.030	0.8	1.310	33.3	0.050	1.3	1.410	35.8	1403	2088
IA1003X*/6	10	3	7	10	0.030	0.8	0.610	15.5	0.050	1.3	0.720	18.3	301	448
IA1004X*/6		4	7	10	0.030	0.8	0.660	16.8	0.050	1.3	0.770	19.6	355	529
IA0803X*/6	8	3	7	10	0.045	1.1	0.740	18.8	0.050	1.3	0.840	21.4	420	625
IA0804X*/6		4	7	10	0.045	1.1	0.800	20.3	0.050	1.3	0.900	22.9	507	755
IA0603X*/6	6	3	7	8	0.045	1.1	0.840	21.4	0.050	1.3	0.950	24.2	567	844
IA0604X*/6		4	7	8	0.045	1.1	0.910	23.1	0.050	1.3	1.010	25.6	670	997
IA0403X*/6	4	3	7	8	0.045	1.1	0.940	23.9	0.050	1.3	1.050	26.7	757	1127
IA0404X*/6		4	7	8	0.045	1.1	1.030	26.2	0.050	1.3	1.130	28.7	912	1357
IA0203X*/6	2	3	7	6	0.045	1.1	1.070	27.2	0.050	1.3	1.180	30.0	1075	1600
IA0204X*/6		4	7	6	0.045	1.1	1.180	30.0	0.050	1.3	1.280	32.5	1295	1927
IA0103X*/6	1	3	19	6	0.055	1.4	1.190	30.3	0.050	1.3	1.290	32.8	1269	1889
IA0104X*/6		4	19	6	0.055	1.4	1.310	33.3	0.050	1.3	1.410	35.9	1596	2375
IA1/003X*/6	1/0	3	19	6	0.055	1.4	1.270	32.3	0.050	1.3	1.380	35.1	1528	2274
IA1/004X*/6		4	19	6	0.055	1.4	1.400	35.6	0.050	1.3	1.500	38.1	1913	2847
IA2/003X*/6	2/0	3	19	6	0.055	1.4	1.370	34.8	0.050	1.3	1.480	37.6	1860	2768
IA2/004X*/6		4	19	6	0.055	1.4	1.510	38.2	0.050	1.3	1.610	40.9	2345	3490
IA3/003X*/6	3/0	3	19	4	0.055	1.4	1.480	37.6	0.050	1.3	1.590	40.4	2259	3362
IA3/004X*/6		4	19	4	0.055	1.4	1.660	42.2	0.050	1.3	1.780	45.3	2878	4283
IA4/003X*/6	4/0	3	19	4	0.055	1.4	1.660	42.2	0.060	1.5	1.790	45.5	2840	4226
IA4/004X*/6		4	19	4	0.055	1.4	1.780	45.2	0.060	1.5	1.900	48.3	3586	5336

XLPE/AIA/PVC - Type MC continued on next page

IEWC Part Number	AWG	No. of Conductors	Stranding	Ground AWG	Nominal Insulation Thickness		Nominal O.D. Over Armor		Nominal Jacket Thickness		Nominal O.D.		Approx. Weight	
					in	mm	in	mm	in	mm	in	mm	lbs/1k ft	kg/km
IA25003X*/6	250	3	37	4	0.065	1.7	1.810	46.0	0.060	1.5	1.940	49.3	3295	4903
IA25004X*/6		4	37	4	0.065	1.7	1.950	49.5	0.060	1.5	2.070	52.6	4174	6211
IA35003X*/6	350	3	37	3	0.065	1.7	2.030	51.6	0.060	1.5	2.160	54.9	4400	6548
IA35004X*/6		4	37	3	0.065	1.7	2.200	55.9	0.060	1.5	2.320	59.0	5608	8345
IA50003X*/6	500	3	37	2	0.065	1.7	2.300	58.5	0.075	1.9	2.460	62.5	6126	9116
IA50004X*/6		4	37	2	0.065	1.7	2.510	63.8	0.075	1.9	2.660	67.6	7825	11644
IA75003X*/6	750	3	61	1	0.080	2.0	2.740	69.6	0.075	1.9	2.890	73.4	8806	13104
IA75004X*/6		4	61	1	0.080	2.0	3.040	77.2	0.075	1.9	3.210	81.6	11494	17104
IA100003X*/6	1000	3	61	1/0	0.080	2.0	3.070	78.0	0.075	1.9	3.240	82.3	11476	17077
IA100004X*/6		4	61	1/0	0.080	2.0	3.410	86.6	0.075	1.9	3.580	91.0	14931	22218

Notes

- Soft-annealed, bare copper conductor
- Cross-linked polyethylene (XLPE) insulation
- Aluminum interlocked armor (AIA)
- Polyvinyl chloride (PVC) jacket
- Bare copper ground conductor
- XHHW-2 conductors
- Standard jacket color: black
- Multiple insulation color codes available

Alternative Constructions

- Soft-annealed, tinned copper conductor
- Ethylene propylene rubber (EPR) insulation
- Copper tape shield with tinned copper drain wire
- Aluminum/polymer tape shield with tinned copper drain wire
- Galvanized steel interlocked armor (GSIA)
- Continuously corrugated and welded aluminum armor (CCW)
- 1-15kV constructions

Available Certifications

- UL: 1309, 1569, 1581, for CT use
- CSA: C22.2 No. 123, FT4
- EPA 40 CFR, part 261
- ICEA S-95-658 / NEMA WC-70
- ICEA T-29-520
- IEEE 383, 1202
- ABS: CWCMC
- OSHA

Applications

For use in industrial processing, manufacturing and underground applications. Rated for continuous use up to 90°C wet and dry. Permitted for use in Class I Division 2, Class II Division 2, and Class III Divisions 1 and 2 hazardous locations per NEC article 334.