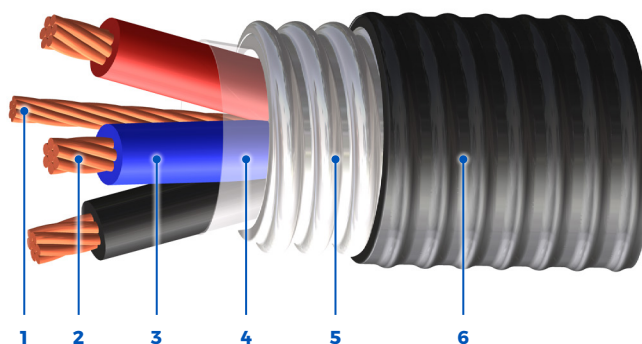


UL Type MC Armored Control, Multi-Conductor, 2000 V

Metal Clad AIA Control cables are suitable for use in ventilated, non-ventilated and ladder type cable trays, direct burial, raceways and for exposed or concealed wiring in wet, damp or dry locations in -40°C (-40°F) environments. Applicable for use in Utilities, Industrial and Commercial applications.

Standards:



1 – Grounding/Bonding Conductor

2 – Stranded Bare Copper Conductors (Tin-coated Available)

3 – FR XLPE (RHW-2 Rated) Insulated Conductors

4 – Polyester Separator Tape

5 – Aluminum Interlocked Armor (AIA)

6 – FR PVC Outer Protective Black Jacket

Product Construction

Insulation:

- FR XLPE (RHW-2 rated) rated: 90°C wet/dry

Armor:

- Aluminum Interlocked Armor (AIA) (standard)
- Steel Interlocked Armor (SIA) (optional)

Jacket:

- FR PVC outer black jacket rated: 90°C to -40°C
- Thermoset CPE (optional)
- Thermoplastic CPE (optional)
- Thermoplastic LSZH (optional)

Available in:

- Custom insulation/jacket colors
- Composite constructions
- Inner jacket optional

Certification/Compliances

- UL 1569, Metal Clad Cables (MC)
- UL 44, Thermoset Insulated Wires and Cables
- UL 1685/FT4, Vertical Tray Flame Test rated (optional)
- IEEE 1202/383 (70,000 BTU/hr), Vertical Flame Test rated (optional)
- ICEA T-30-520 (70,000 BTU/hr), Vertical Flame Test rated
- XLPE (RHW-2 rated) 90°C wet/dry
- UV sunlight resistant "SUN RES" (all colors) (for CT use)
- Direct burial rated
- -40°C cold bend rated
- Rated for use in hazardous locations:
 - Class I Zone 2 (Div 2)
 - Class II Zone 22 (Div 2)

2000 V

Voltage

UL Type MC

Control

Color Coding

- Method K1 or K2 (standard)
- Method 4 (optional)

UL Type MC Armored Control, Multi-Conductor, 2000 V

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	GROUND WIRE SIZE	NORMAL DIAMETERS		CABLE WEIGHT	AMPACITY	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
				OVER ARMOR	OVERALL CABLE				
		(AWG/kcmil)	(AWG/kcmil)	(in/mm)	(in/mm)	(lbs/1000ft) (kg/km)	(30°C ambient)	(lb/kg)	(in/mm)
2K610U140200309	2	14	14	0.630 / 16.0	0.742 / 18.9	227 / 337	25	66 / 30	13.4 / 339
2K610U140300309	3	14	14	0.674 / 17.1	0.786 / 20.0	262 / 390	25	99 / 45	14.2 / 360
2K610U140400309	4	14	14	0.723 / 18.4	0.835 / 21.2	295 / 438	20	132 / 60	15 / 382
2K610U140500309	5	14	14	0.765 / 19.4	0.877 / 22.3	334 / 496	20	165 / 75	15.8 / 401
2K610U140600309	6	14	14	0.823 / 20.9	0.935 / 23.8	380 / 565	20	197 / 90	16.8 / 427
2K610U140700309	7	14	14	0.881 / 22.4	0.993 / 25.2	425 / 632	17.5	230 / 104	17.9 / 454
2K610U140800309	8	14	14	0.941 / 23.9	1.053 / 26.7	473 / 703	17.5	263 / 119	18.9 / 481
2K610U141000309	10	14	14	0.980 / 24.9	1.092 / 27.7	532 / 792	12.5	329 / 149	19.7 / 499
2K610U141200309	12	14	14	1.009 / 25.6	1.121 / 28.5	591 / 879	12.5	395 / 179	20.2 / 513
2K610U141400309	14	14	14	1.059 / 26.9	1.171 / 29.8	658 / 980	12.5	461 / 209	21.1 / 535
2K610U141500309	15	14	14	1.086 / 27.6	1.198 / 30.4	693 / 1032	12.5	494 / 224	21.6 / 548
2K610U142000309	20	14	14	1.231 / 31.3	1.343 / 34.1	866 / 1289	12.5	658 / 298	24.2 / 614
2K610U142500309	25	14	14	1.366 / 34.7	1.478 / 37.5	1044 / 1553	11.25	823 / 373	26.6 / 676
2K610U143000309	30	14	14	1.445 / 36.7	1.557 / 39.6	1190 / 1770	11.25	987 / 448	28 / 712
2K610U144000309	40	14	14	1.617 / 41.1	1.749 / 44.4	1545 / 2299	10	1316 / 597	31.5 / 800
2K610U145000309	50	14	14	1.798 / 45.7	1.930 / 49.0	1861 / 2769	8.75	1645 / 746	34.7 / 883
2K610U120200309	2	12	12	0.666 / 16.9	0.778 / 19.8	265 / 394	30	104 / 47	14 / 356
2K610U120300309	3	12	12	0.715 / 18.2	0.827 / 21.0	310 / 461	30	157 / 71	14.9 / 378
2K610U120400309	4	12	12	0.767 / 19.5	0.879 / 22.3	360 / 536	24	209 / 95	15.8 / 402
2K610U120500309	5	12	12	0.814 / 20.7	0.926 / 23.5	403 / 599	24	261 / 118	16.7 / 423
2K610U120600309	6	12	12	0.877 / 22.3	0.989 / 25.1	458 / 682	24	313 / 142	17.8 / 452
2K610U120700309	7	12	12	0.940 / 23.9	1.052 / 26.7	516 / 769	21	365 / 166	18.9 / 481
2K610U120800309	8	12	12	0.970 / 24.6	1.082 / 27.5	569 / 847	21	418 / 189	19.5 / 495
2K610U121000309	10	12	12	1.052 / 26.7	1.164 / 29.6	656 / 976	15	522 / 237	21 / 532
2K610U121200309	12	12	12	1.084 / 27.5	1.196 / 30.4	735 / 1093	15	626 / 284	21.5 / 547
2K610U121400309	14	12	12	1.139 / 28.9	1.250 / 31.8	823 / 1224	15	731 / 331	22.5 / 572
2K610U121500309	15	12	12	1.168 / 29.7	1.280 / 32.5	867 / 1290	15	783 / 355	23 / 585
2K610U122000309	20	12	12	1.326 / 33.7	1.438 / 36.5	1092 / 1625	15	1044 / 474	25.9 / 658
2K610U122500309	25	12	12	1.474 / 37.4	1.586 / 40.3	1322 / 1967	13.5	1305 / 592	28.5 / 725
2K610U123000309	30	12	12	1.561 / 39.6	1.692 / 43.0	1548 / 2303	13.5	1566 / 710	30.5 / 774
2K610U124000309	40	12	12	1.748 / 44.4	1.880 / 47.8	1977 / 2942	12	2088 / 947	33.8 / 860

*Ampacity value based on National Electrical Code, Version 2020, Table 310.16. Values are corrected according to Table 310.15(C)(1) for number of Conductors. Per NEC 310.15(C)(1), the ampacity of 4/C cable shall be reduced by a factor of 0.8 when the neutral is considered a current-carrying conductor.

UL Type MC Armored Control, Multi-Conductor, 2000 V

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	GROUND WIRE SIZE	NORMAL DIAMETERS		CABLE WEIGHT	AMPACITY	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
				OVER ARMOR	OVERALL CABLE				
		(AWG/kcmil)	(AWG/kcmil)	(in/mm)	(in/mm)	(lbs/1000ft) (kg/km)	(30°C ambient)	(lb/kg)	(in/mm)
2K610U100200309	2	10	10	0.716 / 18.2	0.828 / 21.0	321 / 478	40	166 / 75	14.9 / 379
2K610U100300309	3	10	10	0.770 / 19.6	0.882 / 22.4	383 / 569	40	249 / 113	15.9 / 403
2K610U100400309	4	10	10	0.829 / 21.1	0.941 / 23.9	452 / 672	32	332 / 151	16.9 / 430
2K610U100500309	5	10	10	0.881 / 22.4	0.993 / 25.2	518 / 771	32	415 / 188	17.9 / 454
2K610U100600309	6	10	10	0.952 / 24.2	1.064 / 27.0	593 / 882	32	498 / 226	19.2 / 486
2K610U100700309	7	10	10	0.987 / 25.1	1.099 / 27.9	663 / 987	28	581 / 264	19.8 / 502
2K610U100800309	8	10	10	1.060 / 26.9	1.172 / 29.8	727 / 1082	28	664 / 301	21.1 / 536
2K610U101000309	10	10	10	1.152 / 29.3	1.264 / 32.1	845 / 1257	20	830 / 376	22.8 / 578
2K610U101200309	12	10	10	1.187 / 30.2	1.299 / 33.0	953 / 1419	20	996 / 452	23.4 / 594
2K610U101400309	14	10	10	1.249 / 31.7	1.361 / 34.6	1074 / 1599	20	1162 / 527	24.5 / 622
2K610U101500309	15	10	10	1.282 / 32.6	1.394 / 35.4	1134 / 1688	20	1245 / 565	25.1 / 637
2K610U102000309	20	10	10	1.459 / 37.1	1.571 / 39.9	1438 / 2140	20	1660 / 753	28.3 / 718
2K610U102500309	25	10	10	1.624 / 41.3	1.756 / 44.6	1781 / 2650	18	2075 / 941	31.6 / 803
2K610U103000309	30	10	10	1.721 / 43.7	1.853 / 47.1	2055 / 3059	18	2490 / 1129	33.3 / 847

*Ampacity value based on National Electrical Code, Version 2020, Table 310.16. Values are corrected according to Table 310.15(C)(1) for number of Conductors. Per NEC 310.15(C)(1), the ampacity of 4/C cable shall be reduced by a factor of 0.8 when the neutral is considered a current-carrying conductor.