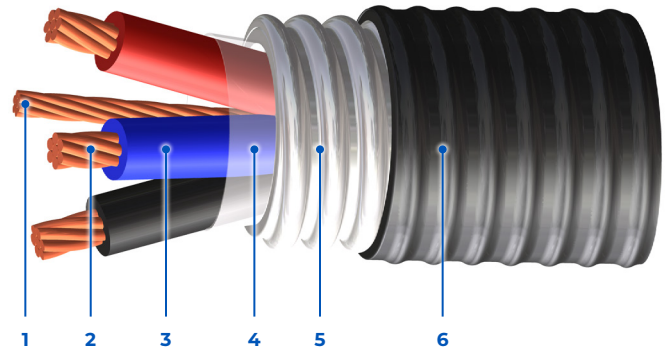


# UL Type MC Armored Power, Multi-Conductor, 2000 V

Metal Clad AIA Power 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 – Strand Bare (ASTM B8) Annealed Copper Conductors
- 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

Power

## Color Coding

- Method 1 K1 or K2 (standard)
- Method 4 (optional)

# UL Type MC Armored Power, Multi-Conductor, 2000 V

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE <i>(AWG/kcmil)</i>	GROUND WIRE SIZE <i>(AWG/kcmil)</i>	NORMAL DIAMETERS		CABLE WEIGHT <i>(lbs/1000ft) (kg/km)</i>	AMPACITY <i>(30°C ambient)</i>	MAX PULLING TENSION (PULLING EYE) <i>(lb/kg)</i>	MIN BEND RADIUS (PULL) <i>(in/mm)</i>
				OVER ARMOR <i>(in/mm)</i>	OVERALL CABLE <i>(in/mm)</i>				
2K610U140200309	2	14	14	0.630 / 16.0	0.742 / 18.9	227 / 337	25	66 / 30	13.4 / 339
2K610U120200309	2	12	12	0.666 / 16.9	0.778 / 19.8	265 / 394	30	104 / 47	14 / 356
2K610U100200309	2	10	10	0.716 / 18.2	0.828 / 21.0	321 / 478	40	166 / 75	14.9 / 379
2K610U080200309	2	8	10	0.814 / 20.7	0.926 / 23.5	403 / 599	55	265 / 120	16.7 / 423
2K610U060200309	2	6	8	0.892 / 22.7	1.004 / 25.5	516 / 768	75	419 / 190	18.1 / 459
2K610U040200309	2	4	8	0.986 / 25.0	1.098 / 27.9	659 / 981	95	668 / 303	19.8 / 502
2K610U030200309	2	3	6	1.004 / 25.5	1.116 / 28.4	778 / 1158	115	842 / 382	20.1 / 510
2K610U020200309	2	2	6	1.066 / 27.1	1.178 / 29.9	894 / 1330	130	1062 / 482	21.2 / 539
2K610U010240309	2	1	6	1.224 / 31.1	1.336 / 33.9	1103 / 1642	145	1339 / 607	24 / 611
2K610U1/0240309	2	1/0	6	1.304 / 33.1	1.416 / 36.0	1294 / 1926	170	1690 / 766	25.5 / 647
2K610U2/0240309	2	2/0	6	1.390 / 35.3	1.502 / 38.1	1520 / 2261	195	2130 / 966	27 / 687
2K610U3/0240309	2	3/0	4	1.492 / 37.9	1.604 / 40.7	1847 / 2749	225	2671 / 1212	28.9 / 733
2K610U4/0240309	2	4/0	4	1.604 / 40.7	1.736 / 44.0	2230 / 3318	260	3386 / 1536	31.2 / 794
2K610U250260309	2	250	4	1.756 / 44.6	1.888 / 48.0	2575 / 3831	290	4000 / 1814	34 / 863
2K610U300260309	2	300	3	1.963 / 49.9	2.095 / 53.2	3182 / 4736	320	4800 / 2177	37.7 / 958
2K610U350260309	2	350	3	2.063 / 52.4	2.195 / 55.8	3579 / 5326	350	5600 / 2540	39.5 / 1004
2K610U500260309	2	500	3	2.319 / 58.9	2.481 / 63.0	4806 / 7153	430	8000 / 3629	44.7 / 1134
2K610U140300309	3	14	14	0.674 / 17.1	0.786 / 20.1	262 / 390	25	99 / 45	14.2 / 360
2K610U120300309	3	12	12	0.715 / 18.2	0.827 / 21.0	310 / 461	30	157 / 71	14.9 / 378
2K610U100300309	3	10	10	0.770 / 19.6	0.882 / 22.4	383 / 569	40	249 / 113	15.9 / 403
2K610U080300309	3	8	10	0.879 / 22.3	0.991 / 25.2	491 / 731	55	397 / 180	17.8 / 453
2K610U060300309	3	6	8	0.966 / 24.5	1.078 / 27.4	639 / 951	75	629 / 285	19.4 / 493
2K610U040300309	3	4	8	1.005 / 25.5	1.117 / 28.4	823 / 1225	95	1002 / 454	20.1 / 511
2K610U030300309	3	3	6	1.063 / 27.0	1.175 / 29.9	987 / 1468	115	1263 / 573	21.2 / 537
2K610U020300309	3	2	6	1.130 / 28.7	1.242 / 31.6	1153 / 1715	130	1593 / 723	22.4 / 568
2K610U010340309	3	1	6	1.300 / 33.0	1.412 / 35.9	1429 / 2127	145	2009 / 911	25.4 / 646
2K610U1/0340309	3	1/0	6	1.386 / 35.0	1.498 / 38.1	1692 / 2517	170	2534 / 1150	27 / 685
2K610U2/0340309	3	2/0	6	1.478 / 37.6	1.590 / 40.4	2011 / 2993	195	3194 / 1449	28.6 / 727
2K610U3/0340309	3	3/0	4	1.588 / 40.3	1.720 / 43.7	2488 / 3702	225	4007 / 1818	31 / 786
2K610U4/0340309	3	4/0	4	1.708 / 43.4	1.840 / 46.8	2983 / 4439	260	5078 / 2304	33.1 / 841

\*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.

# UL Type MC Armored Power, Multi-Conductor, 2000 V

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE <i>(AWG/kcmil)</i>	GROUND WIRE SIZE <i>(AWG/kcmil)</i>	NORMAL DIAMETERS		CABLE WEIGHT <i>(lbs/1000ft) (kg/km)</i>	AMPACITY <i>(30°C ambient)</i>	MAX PULLING TENSION (PULLING EYE) <i>(lb/kg)</i>	MIN BEND RADIUS (PULL) <i>(in/mm)</i>
				OVER ARMOR <i>(in/mm)</i>	OVERALL CABLE <i>(in/mm)</i>				
2K610U250360309	3	250	4	1.973 / 50.1	2.105 / 53.5	3645 / 5425	290	6000 / 2722	37.9 / 962
2K610U300360309	3	300	3	2.087 / 53.0	2.219 / 56.4	4240 / 6309	320	7200 / 3266	39.9 / 1014
2K610U350360309	3	350	3	2.194 / 55.7	2.326 / 59.1	4796 / 7137	350	8400 / 3810	41.9 / 1064
2K610U500360309	3	500	3	2.469 / 62.7	2.632 / 66.8	6513 / 9693	430	12000 / 5443	47.4 / 1203
2K610U750360309	3	750	0	2.919 / 74.1	3.081 / 78.3	9186 / 13671	535	18000 / 8165	55.5 / 1409
2K610U140400309	4	14	14	0.723 / 18.4	0.835 / 21.2	295 / 438	20	132 / 60	15 / 382
2K610U120400309	4	12	12	0.767 / 19.5	0.879 / 22.3	360 / 536	24	209 / 95	15.8 / 402
2K610U100400309	4	10	10	0.829 / 21.1	0.941 / 23.9	452 / 672	32	332 / 151	16.9 / 430
2K610U080400309	4	8	10	0.951 / 24.2	1.063 / 27.0	589 / 877	44	529 / 240	19.1 / 486
2K610U060400309	4	6	8	1.010 / 25.7	1.122 / 28.5	763 / 1136	60	839 / 380	20.2 / 513
2K610U040400309	4	4	8	1.127 / 28.6	1.239 / 31.5	1028 / 1530	76	1336 / 606	22.3 / 567
2K610U030400309	4	3	6	1.194 / 30.3	1.306 / 33.2	1222 / 1819	92	1684 / 764	23.5 / 597
2K610U020400309	4	2	6	1.271 / 32.3	1.383 / 35.1	1440 / 2143	104	2124 / 964	24.9 / 632
2K610U010440309	4	1	6	1.431 / 36.4	1.543 / 39.2	1804 / 2684	116	2678 / 1215	27.8 / 706
2K610U1/0440309	4	1/0	6	1.528 / 38.8	1.660 / 42.2	2178 / 3241	136	3379 / 1533	29.9 / 759
2K610U2/0440309	4	2/0	6	1.631 / 41.4	1.763 / 44.8	2594 / 3860	156	4259 / 1932	31.7 / 806
2K610U3/0440309	4	3/0	4	1.754 / 44.6	1.886 / 47.9	3161 / 4704	180	5343 / 2423	34 / 862
2K610U4/0440309	4	4/0	4	1.990 / 50.6	2.122 / 53.9	4006 / 5961	208	6771 / 3071	38.2 / 970
2K610U250460309	4	250	4	2.173 / 55.2	2.305 / 58.6	4640 / 6905	232	8000 / 3629	41.5 / 1054
2K610U300460309	4	300	3	2.301 / 58.5	2.463 / 62.6	5488 / 8166	256	9600 / 4355	44.3 / 1126
2K610U350460309	4	350	3	2.422 / 61.5	2.584 / 65.6	6218 / 9253	280	11200 / 5080	46.5 / 1181
2K610U500460309	4	500	3	2.730 / 69.4	2.892 / 73.5	8387 / 12481	344	16000 / 7258	52.1 / 1322

\*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.