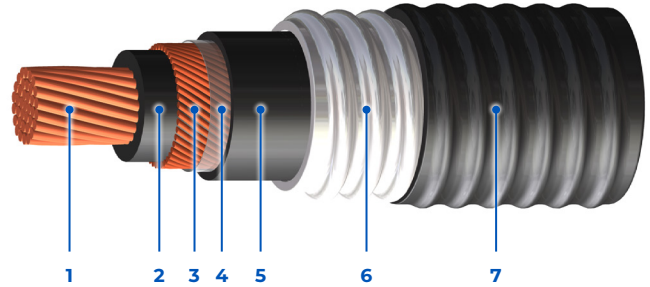


# UL Type MC Armored Power, Single Conductor, 2000 V

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 – Strand Bare (ASTM B8) Annealed Copper Conductor
- 2 – FR XLPE (RHW-2 Rated) Insulated Conductor
- 3 – Serve/Wound Grounds
- 4 – Polyester Separator Tape

- 5 – FR PVC Inner Protective Jacket
- 6 – Aluminum Interlocked Armor (AIA)
- 7 – FR PVC Outer Protective Jacket

## Product Construction

### Insulation:

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

### Armor:

- Aluminum Interlocked Armor (AIA) (standard)

### Jacket:

- FR PVC inner/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

## 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 20, 21 (Div 1)
  - Class II Zone 22 (Div 2)

## 2000 V

Voltage

## UL Type MC

Power

## Color Coding

- Black conductors (standard)
- Method 4 (optional)

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PART NUMBER	NUMBER OF PAIRS	CONDUCTOR SIZE <i>(AWG/kcmil)</i>	GROUND WIRE SIZE <i>(AWG/kcmil)</i>	OD OVER INNER JACKET <i>(in/mm)</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>				
2K610U080100300	1	8	18	0.457 / 11.6	0.697 / 17.7	0.809 / 20.6	334 / 498	55	132 / 60	14.6 / 370
2K610U060100300	1	6	16	0.516 / 13.1	0.756 / 19.2	0.868 / 22.1	423 / 630	75	210 / 95	15.6 / 397
2K610U040100300	1	4	16	0.583 / 14.8	0.823 / 20.9	0.935 / 23.8	509 / 757	95	334 / 151	16.8 / 427
2K610U030100300	1	3	16	0.610 / 15.5	0.850 / 21.6	0.962 / 24.4	556 / 827	115	421 / 191	17.3 / 440
2K610U020100300	1	2	16	0.641 / 16.3	0.881 / 22.4	0.993 / 25.2	613 / 912	130	531 / 241	17.9 / 454
2K610U010140300	1	1	14	0.746 / 19.0	0.986 / 25.0	1.098 / 27.9	778 / 1157	145	670 / 304	19.8 / 502
2K610U1/0140300	1	1/0	14	0.786 / 20.0	0.990 / 25.2	1.102 / 28.0	859 / 1278	170	845 / 383	19.8 / 504
2K610U2/0140300	1	2/0	14	0.829 / 21.1	1.033 / 26.2	1.145 / 29.1	966 / 1438	195	1065 / 483	20.6 / 523
2K610U3/0140300	1	3/0	14	0.880 / 22.4	1.084 / 27.5	1.196 / 30.4	1127 / 1678	225	1336 / 606	21.5 / 547
2K610U4/0140300	1	4/0	14	0.936 / 23.8	1.140 / 29.0	1.252 / 31.8	1346 / 2004	260	1693 / 768	22.5 / 572
2K610U250160300	1	250	14	1.012 / 25.7	1.216 / 30.9	1.328 / 33.7	1506 / 2241	290	2000 / 907	23.9 / 607
2K610U300160300	1	300	14	1.065 / 27.1	1.269 / 32.2	1.381 / 35.1	1744 / 2596	320	2400 / 1089	24.9 / 631
2K610U350160300	1	350	14	1.115 / 28.3	1.319 / 33.5	1.431 / 36.4	1926 / 2867	350	2800 / 1270	25.8 / 654
2K610U500160300	1	500	14	1.243 / 31.6	1.447 / 36.8	1.559 / 39.6	2530 / 3765	430	4000 / 1814	28.1 / 713
2K610U750160300	1	750	14	1.452 / 36.9	1.656 / 42.1	1.788 / 45.4	3578 / 5324	535	6000 / 2722	32.2 / 817

\*Ampacity value based on National Electrical Code, Version 2020, Table 310.16.