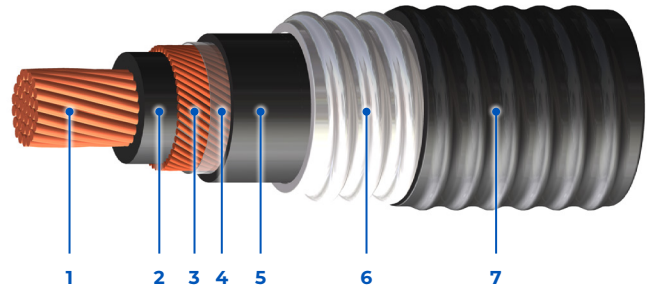


# UL Type MC Armored Power, Single Conductor, 600/1000 V

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 (XHHW-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 (XHHW-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 (XHHW-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)

# 600/ 1000 V

Voltage  
(1000 V optional)

## Color Coding

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

# UL Type MC

Power

# UL Type MC Armored Power, Single Conductor, 600/1000 V

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>				
2C610U080100300	1	8	18	0.407 / 10.3	0.647 / 16.4	0.759 / 19.3	307 / 457	55	132 / 60	13.7 / 347
2C610U060100300	1	6	16	0.466 / 11.8	0.706 / 17.9	0.818 / 20.8	394 / 587	75	210 / 95	14.7 / 374
2C610U040100300	1	4	16	0.513 / 13.0	0.753 / 19.1	0.865 / 22	462 / 687	95	334 / 151	15.6 / 395
2C610U030100300	1	3	16	0.560 / 14.2	0.800 / 20.3	0.912 / 23.2	522 / 777	115	421 / 191	16.4 / 417
2C610U020100300	1	2	16	0.591 / 15.0	0.831 / 21.1	0.943 / 24.0	578 / 860	130	531 / 241	17 / 431
2C610U010140300	1	1	14	0.676 / 17.2	0.916 / 23.3	1.028 / 26.1	725 / 1079	145	670 / 304	18.5 / 470
2C610U1/0140300	1	1/0	14	0.716 / 18.2	0.956 / 24.3	1.068 / 27.1	811 / 1207	170	845 / 383	19.2 / 488
2C610U2/0140300	1	2/0	14	0.759 / 19.3	0.979 / 24.9	1.091 / 27.7	911 / 1356	195	1065 / 483	19.6 / 499
2C610U3/0140300	1	3/0	14	0.810 / 20.6	1.014 / 25.8	1.126 / 28.6	1066 / 1587	225	1336 / 606	20.3 / 515
2C610U4/0140300	1	4/0	14	0.866 / 22.0	1.070 / 27.2	1.182 / 30.0	1282 / 1908	260	1693 / 768	21.3 / 540
2C610U250160300	1	250	14	0.932 / 23.7	1.136 / 28.9	1.248 / 31.7	1427 / 2124	290	2000 / 907	22.5 / 571
2C610U300160300	1	300	14	0.985 / 25.0	1.189 / 30.2	1.301 / 33.1	1660 / 2471	320	2400 / 1089	23.4 / 595
2C610U350160300	1	350	14	1.035 / 26.3	1.239 / 31.5	1.351 / 34.3	1839 / 2737	350	2800 / 1270	24.3 / 618
2C610U500160300	1	500	14	1.163 / 29.5	1.367 / 34.7	1.479 / 37.6	2433 / 3620	430	4000 / 1814	26.6 / 676
2C610U750160300	1	750	14	1.372 / 34.9	1.576 / 40.0	1.708 / 43.4	3461 / 5151	535	6000 / 2722	30.7 / 781

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