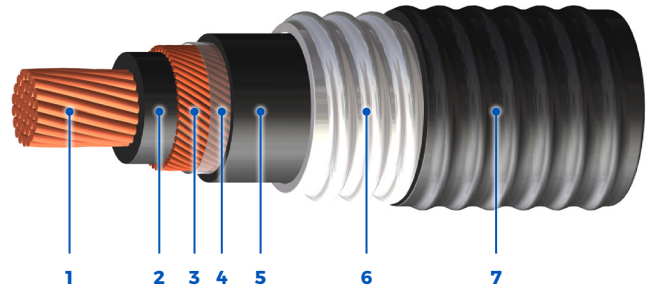


UL Type MC Armored Power, Single Conductor, 600/1000 V

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 – Stranded Bare Copper Conductor (Tin-coated Available)

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

Aarmor:

- 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

UL Type MC

Power

Color Coding

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

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

PART NUMBER	NUMBER OF PAIRS	CONDUCTOR SIZE	GROUND WIRE SIZE	OD OVER INNER JACKET	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)	(in/mm)	(lbs/1000ft) (kg/km)	(30°C ambient)	(lb/kg)	(in/mm)
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.