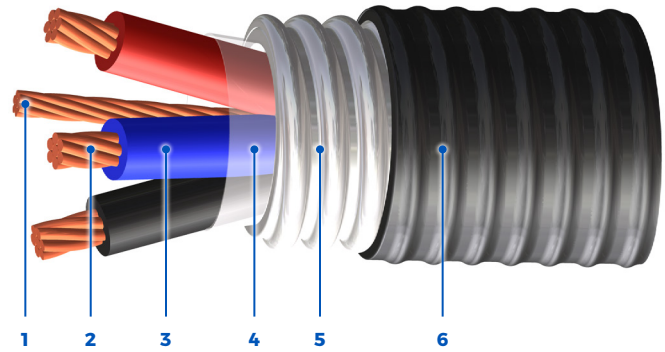


# UL Type MC Armored Power, Multi-Conductor, 2000 V

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 – 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

### 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 | 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)<br>(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             |
| 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 | 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)<br>(kg/km) | (30°C ambient) | (lb/kg)                           | (in/mm)                |
| 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             |
| 2K610U010400309 | 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.