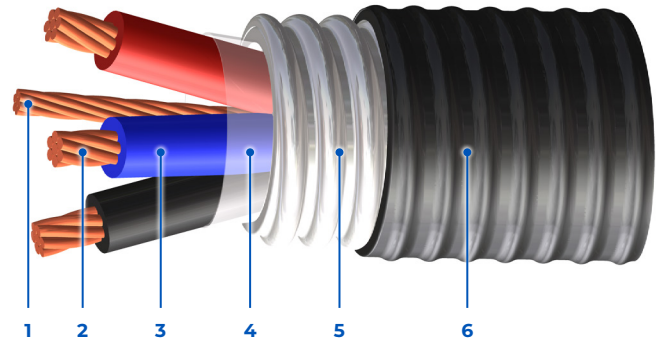


UL Type MC Armored Control, Multi-Conductor, 2000 V

Metal Clad AIA Control 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

Control

Color Coding

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

UL Type MC Armored Control, 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 |
| 2K610U140300309 | 3 | 14 | 14 | 0.674 / 17.1 | 0.786 / 20.0 | 262 / 390 | 25 | 99 / 45 | 14.2 / 360 |
| 2K610U140400309 | 4 | 14 | 14 | 0.723 / 18.4 | 0.835 / 21.2 | 295 / 438 | 20 | 132 / 60 | 15 / 382 |
| 2K610U140500309 | 5 | 14 | 14 | 0.765 / 19.4 | 0.877 / 22.3 | 334 / 496 | 20 | 165 / 75 | 15.8 / 401 |
| 2K610U140600309 | 6 | 14 | 14 | 0.823 / 20.9 | 0.935 / 23.8 | 380 / 565 | 20 | 197 / 90 | 16.8 / 427 |
| 2K610U140700309 | 7 | 14 | 14 | 0.881 / 22.4 | 0.993 / 25.2 | 425 / 632 | 17.5 | 230 / 104 | 17.9 / 454 |
| 2K610U140800309 | 8 | 14 | 14 | 0.941 / 23.9 | 1.053 / 26.7 | 473 / 703 | 17.5 | 263 / 119 | 18.9 / 481 |
| 2K610U141000309 | 10 | 14 | 14 | 0.980 / 24.9 | 1.092 / 27.7 | 532 / 792 | 12.5 | 329 / 149 | 19.7 / 499 |
| 2K610U141200309 | 12 | 14 | 14 | 1.009 / 25.6 | 1.121 / 28.5 | 591 / 879 | 12.5 | 395 / 179 | 20.2 / 513 |
| 2K610U141400309 | 14 | 14 | 14 | 1.059 / 26.9 | 1.171 / 29.8 | 658 / 980 | 12.5 | 461 / 209 | 21.1 / 535 |
| 2K610U141500309 | 15 | 14 | 14 | 1.086 / 27.6 | 1.198 / 30.4 | 693 / 1032 | 12.5 | 494 / 224 | 21.6 / 548 |
| 2K610U142000309 | 20 | 14 | 14 | 1.231 / 31.3 | 1.343 / 34.1 | 866 / 1289 | 12.5 | 658 / 298 | 24.2 / 614 |
| 2K610U142500309 | 25 | 14 | 14 | 1.366 / 34.7 | 1.478 / 37.5 | 1044 / 1553 | 11.25 | 823 / 373 | 26.6 / 676 |
| 2K610U143000309 | 30 | 14 | 14 | 1.445 / 36.7 | 1.557 / 39.6 | 1190 / 1770 | 11.25 | 987 / 448 | 28 / 712 |
| 2K610U144000309 | 40 | 14 | 14 | 1.617 / 41.1 | 1.749 / 44.4 | 1545 / 2299 | 10 | 1316 / 597 | 31.5 / 800 |
| 2K610U145000309 | 50 | 14 | 14 | 1.798 / 45.7 | 1.930 / 49.0 | 1861 / 2769 | 8.75 | 1645 / 746 | 34.7 / 883 |
| 2K610U120200309 | 2 | 12 | 12 | 0.666 / 16.9 | 0.778 / 19.8 | 265 / 394 | 30 | 104 / 47 | 14 / 356 |
| 2K610U120300309 | 3 | 12 | 12 | 0.715 / 18.2 | 0.827 / 21.0 | 310 / 461 | 30 | 157 / 71 | 14.9 / 378 |
| 2K610U120400309 | 4 | 12 | 12 | 0.767 / 19.5 | 0.879 / 22.3 | 360 / 536 | 24 | 209 / 95 | 15.8 / 402 |
| 2K610U120500309 | 5 | 12 | 12 | 0.814 / 20.7 | 0.926 / 23.5 | 403 / 599 | 24 | 261 / 118 | 16.7 / 423 |
| 2K610U120600309 | 6 | 12 | 12 | 0.877 / 22.3 | 0.989 / 25.1 | 458 / 682 | 24 | 313 / 142 | 17.8 / 452 |
| 2K610U120700309 | 7 | 12 | 12 | 0.940 / 23.9 | 1.052 / 26.7 | 516 / 769 | 21 | 365 / 166 | 18.9 / 481 |
| 2K610U120800309 | 8 | 12 | 12 | 0.970 / 24.6 | 1.082 / 27.5 | 569 / 847 | 21 | 418 / 189 | 19.5 / 495 |
| 2K610U121000309 | 10 | 12 | 12 | 1.052 / 26.7 | 1.164 / 29.6 | 656 / 976 | 15 | 522 / 237 | 21 / 532 |
| 2K610U121200309 | 12 | 12 | 12 | 1.084 / 27.5 | 1.196 / 30.4 | 735 / 1093 | 15 | 626 / 284 | 21.5 / 547 |
| 2K610U121400309 | 14 | 12 | 12 | 1.139 / 28.9 | 1.250 / 31.8 | 823 / 1224 | 15 | 731 / 331 | 22.5 / 572 |
| 2K610U121500309 | 15 | 12 | 12 | 1.168 / 29.7 | 1.280 / 32.5 | 867 / 1290 | 15 | 783 / 355 | 23 / 585 |
| 2K610U122000309 | 20 | 12 | 12 | 1.326 / 33.7 | 1.438 / 36.5 | 1092 / 1625 | 15 | 1044 / 474 | 25.9 / 658 |
| 2K610U122500309 | 25 | 12 | 12 | 1.474 / 37.4 | 1.586 / 40.3 | 1322 / 1967 | 13.5 | 1305 / 592 | 28.5 / 725 |
| 2K610U123000309 | 30 | 12 | 12 | 1.561 / 39.6 | 1.692 / 43.0 | 1548 / 2303 | 13.5 | 1566 / 710 | 30.5 / 774 |
| 2K610U124000309 | 40 | 12 | 12 | 1.748 / 44.4 | 1.880 / 47.8 | 1977 / 2942 | 12 | 2088 / 947 | 33.8 / 860 |

*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. Per NEC 310.15(C)(1), the ampacity of 4/C cable shall be reduced by a factor of 0.8 when the neutral is considered a current-carrying conductor.

UL Type MC Armored Control, 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> | | | | |
| 2K610U100200309 | 2 | 10 | 10 | 0.716 / 18.2 | 0.828 / 21.0 | 321 / 478 | 40 | 166 / 75 | 14.9 / 379 |
| 2K610U100300309 | 3 | 10 | 10 | 0.770 / 19.6 | 0.882 / 22.4 | 383 / 569 | 40 | 249 / 113 | 15.9 / 403 |
| 2K610U100400309 | 4 | 10 | 10 | 0.829 / 21.1 | 0.941 / 23.9 | 452 / 672 | 32 | 332 / 151 | 16.9 / 430 |
| 2K610U100500309 | 5 | 10 | 10 | 0.881 / 22.4 | 0.993 / 25.2 | 518 / 771 | 32 | 415 / 188 | 17.9 / 454 |
| 2K610U100600309 | 6 | 10 | 10 | 0.952 / 24.2 | 1.064 / 27.0 | 593 / 882 | 32 | 498 / 226 | 19.2 / 486 |
| 2K610U100700309 | 7 | 10 | 10 | 0.987 / 25.1 | 1.099 / 27.9 | 663 / 987 | 28 | 581 / 264 | 19.8 / 502 |
| 2K610U100800309 | 8 | 10 | 10 | 1.060 / 26.9 | 1.172 / 29.8 | 727 / 1082 | 28 | 664 / 301 | 21.1 / 536 |
| 2K610U101000309 | 10 | 10 | 10 | 1.152 / 29.3 | 1.264 / 32.1 | 845 / 1257 | 20 | 830 / 376 | 22.8 / 578 |
| 2K610U101200309 | 12 | 10 | 10 | 1.187 / 30.2 | 1.299 / 33.0 | 953 / 1419 | 20 | 996 / 452 | 23.4 / 594 |
| 2K610U101400309 | 14 | 10 | 10 | 1.249 / 31.7 | 1.361 / 34.6 | 1074 / 1599 | 20 | 1162 / 527 | 24.5 / 622 |
| 2K610U101500309 | 15 | 10 | 10 | 1.282 / 32.6 | 1.394 / 35.4 | 1134 / 1688 | 20 | 1245 / 565 | 25.1 / 637 |
| 2K610U102000309 | 20 | 10 | 10 | 1.459 / 37.1 | 1.571 / 39.9 | 1438 / 2140 | 20 | 1660 / 753 | 28.3 / 718 |
| 2K610U102500309 | 25 | 10 | 10 | 1.624 / 41.3 | 1.756 / 44.6 | 1781 / 2650 | 18 | 2075 / 941 | 31.6 / 803 |
| 2K610U103000309 | 30 | 10 | 10 | 1.721 / 43.7 | 1.853 / 47.1 | 2055 / 3059 | 18 | 2490 / 1129 | 33.3 / 847 |

*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. Per NEC 310.15(C)(1), the ampacity of 4/C cable shall be reduced by a factor of 0.8 when the neutral is considered a current-carrying conductor.