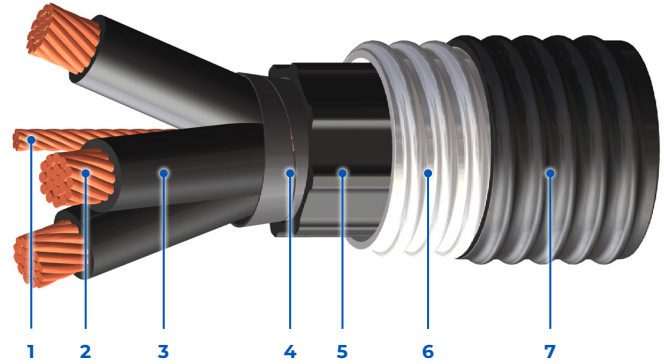


# UL Type MC Riser Armored Mineshaft Cables, 2000 V

Riser cables are designed for vertical applications to prevent cable core slippage and are suitable for use in mineshaft and for environments that require self-supporting lengths. Typically used in Mining, 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 – Cloth Backed Rubberized Separator Tape

- 5 – Inner Ribbed 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
- VW-1 rated (optional)

### Armor:

- Aluminum Interlocked Armor (AIA) (standard)
- Steel Interlocked Armor (SIA) (standard)

### Jacket:

- FR PVC outer black jacket rated: 90°C to -40°C

### Available in:

- Variable Frequency Drive (VFD)
- Custom insulation/jacket colors
- Composite constructions
- Aluminum conductors
- Single conductor

## 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)
- 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

- 3C – Black, # coded
- Method 4 (optional)

# UL Type MC Riser Armored Mineshaft Cables, 2000 V

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	GROUND WIRE SIZE	OD OVER INNER JACKET	NORMAL DIAMETERS		CABLE WEIGHT	AMPACITY	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)	SELF SUPPORT LENGTH
					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)	(ft/m)
2K610U12030030V	3	12	12	0.628 / 15.9	0.890 / 22.6	1.062 / 27.0	586 / 872	30	157 / 71	19.1 / 486	236 / 72
2K610U10030030V	3	10	10	0.683 / 17.4	0.946 / 24.0	1.118 / 28.4	689 / 1025	40	249 / 113	20.1 / 511	317 / 97
2K610U08030030V	3	8	10	0.792 / 20.1	1.101 / 28.0	1.273 / 32.4	927 / 1380	55	397 / 180	22.9 / 582	374 / 114
2K610U06030030V	3	6	8	0.915 / 23.2	1.224 / 31.1	1.396 / 35.5	1174 / 1747	75	629 / 285	25.1 / 638	471 / 143
2K610U04030030V	3	4	8	0.990 / 25.2	1.299 / 33.0	1.471 / 37.4	1395 / 2076	95	1002 / 454	26.5 / 673	633 / 193
2K610U03030030V	3	3	6	1.048 / 26.6	1.357 / 34.5	1.529 / 38.9	1615 / 2403	115	1263 / 573	27.5 / 699	686 / 209
2K610U02030030V	3	2	6	1.115 / 28.3	1.424 / 36.2	1.596 / 40.5	1811 / 2696	130	1593 / 723	28.7 / 730	771 / 235
2K610U01034030V	3	1	6	1.285 / 32.6	1.594 / 40.5	1.826 / 46.4	2274 / 3384	145	2009 / 911	32.9 / 835	795 / 242
2K610U1/034030V	3	1/0	6	1.371 / 34.8	1.680 / 42.7	1.912 / 48.6	2587 / 3850	170	2534 / 1150	34.4 / 874	883 / 269
2K610U2/034030V	3	2/0	6	1.463 / 37.2	1.772 / 45.0	2.004 / 50.9	3130 / 4658	195	3194 / 1449	36.1 / 916	914 / 279
2K610U3/034030V	3	3/0	4	1.573 / 40.0	1.983 / 50.4	2.215 / 56.3	3734 / 5557	225	4007 / 1818	39.9 / 1013	971 / 296
2K610U4/034030V	3	4/0	4	1.753 / 44.5	2.163 / 55.0	2.395 / 60.8	4311 / 6415	260	5078 / 2304	43.1 / 1095	1060 / 323
2K610U25036030V	3	250	4	1.917 / 48.7	2.327 / 59.1	2.559 / 65.0	4918 / 7319	290	6000 / 2722	46.1 / 1170	1104 / 336
2K610U30036030V	3	300	3	2.031 / 51.6	2.441 / 62.0	2.673 / 67.9	5599 / 8332	320	7200 / 3266	48.1 / 1222	1163 / 354
2K610U35036030V	3	350	3	2.138 / 54.3	2.548 / 64.7	2.840 / 72.1	6401 / 9526	350	8400 / 3810	51.1 / 1299	1190 / 363
2K610U50036030V	3	500	3	2.413 / 61.3	2.823 / 71.7	3.115 / 79.1	8287 / 12332	430	12000 / 5443	56.1 / 1424	1310 / 399
2K610U75036030V	3	750	1	2.923 / 74.2	3.395 / 86.2	3.687 / 93.7	11313 / 16836	535	18000 / 8165	66.4 / 1686	1444 / 440

\*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.