

UL MC ARMoured CONTROL, MULTI-CONDUCTOR, 600V

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.

VOLTAGE

600 V

OPTIONAL: 2000V

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) (optional)
- Served Wire Armor (SWA) (optional)
- Zetabon (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

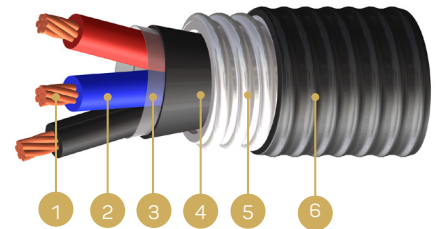
CERTIFICATION/COMPLIANCES

- UL 1569, Metal Clad Cables (MC)
- UL 44, Thermoset Insulated Wires and Cables
- UL 1685/FT4, Vertical Tray Flame Test rated
- IEEE 1202/383 (70,000 BTU/hr), Vertical Flame Test rated
- 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 colours) (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)

COLOR CODING

- Method 1 K1 or K2 (standard)
- Method 4 (optional)

600 V VOLTAGE UL Type MC CONTROL



1. Strand Bare (ASTM B8) Annealed Copper Conductors
2. FR XLPE (XHHW-2 Rated) Insulated Conductors
3. Polyester Separator Tape
4. FR PVC Inner Protective Black Jacket
5. Aluminum Interlocked Armor (AIA)
6. FR PVC Outer Protective Black Jacket

STANDARDS:



PART NUMBER	NUMBER OF PAIRS	CONDUCTOR SIZE	GROUND WIRE SIZE	NORMAL DIAMETERS		CABLE WEIGHT	AMPACITY	MAX. PULLING TENSION (PULLING EYE)	MIN. BEND RADIUS (PULL)
				OVER ARMOUR	OVERALL CABLE				
				(in/mm)	(in/mm)				
		(AWG/MCM)	(AWG/MCM)	(in/mm)	(in/mm)	(lbs/1000ft) (kg/km)	(30°C ambient)	(lb/kg)	(in/mm)
2C610U140200709	2	14	14	0.51 / 12.95	0.622 / 15.8	172 / 256	25	66 / 30	11.2 / 284
2C610U140300709	3	14	14	0.541 / 13.73	0.653 / 16.58	192 / 285	25	99 / 45	11.7 / 298
2C610U140400709	4	14	14	0.574 / 14.58	0.686 / 17.42	217 / 323	20	132 / 60	12.3 / 314
2C610U140500709	5	14	14	0.603 / 15.32	0.715 / 18.16	242 / 361	20	165 / 75	12.9 / 327
2C610U140600709	6	14	14	0.643 / 16.33	0.755 / 19.18	271 / 404	20	197 / 90	13.6 / 345
2C610U140700709	7	14	14	0.683 / 17.35	0.795 / 20.19	301 / 447	17.5	230 / 104	14.3 / 363
2C610U140800709	8	14	14	0.724 / 18.39	0.836 / 21.24	330 / 492	17.5	263 / 119	15 / 382
2C610U141000709	10	14	14	0.776 / 19.71	0.888 / 22.56	375 / 558	12.5	329 / 149	16 / 406
2C610U141200709	12	14	14	0.796 / 20.22	0.908 / 23.06	412 / 613	12.5	395 / 179	16.3 / 415
2C610U141400709	14	14	14	0.831 / 21.09	0.942 / 23.94	457 / 681	12.5	461 / 209	17 / 431
2C610U141500709	15	14	14	0.849 / 21.57	0.961 / 24.41	479 / 713	12.5	494 / 224	17.3 / 439
2C610U142000709	20	14	14	0.949 / 24.1	1.061 / 26.95	590 / 879	12.5	658 / 298	19.1 / 485
2C610U142500709	25	14	14	1.006 / 25.55	1.118 / 28.4	696 / 1036	11.25	823 / 373	20.1 / 511
2C610U143000709	30	14	14	1.06 / 26.94	1.173 / 29.78	792 / 1178	11.25	987 / 448	21.1 / 536
2C610U144000709	40	14	14	1.179 / 29.94	1.291 / 32.79	997 / 1484	10	1316 / 597	23.2 / 590
2C610U145000709	50	14	14	1.304 / 33.12	1.416 / 35.96	1198 / 1783	8.75	1645 / 746	25.5 / 647
2C610U120200709	2	12	12	0.546 / 13.87	0.658 / 16.71	206 / 306	30	104 / 47	11.8 / 301
2C610U120300709	3	12	12	0.581 / 14.75	0.693 / 17.6	234 / 348	30	157 / 71	12.5 / 317
2C610U120400709	4	12	12	0.618 / 15.71	0.73 / 18.55	269 / 400	24	209 / 95	13.1 / 334
2C610U120500709	5	12	12	0.652 / 16.55	0.764 / 19.4	304 / 453	24	261 / 118	13.7 / 349
2C610U120600709	6	12	12	0.697 / 17.7	0.809 / 20.55	344 / 511	24	313 / 142	14.6 / 370
2C610U120700709	7	12	12	0.742 / 18.85	0.854 / 21.7	382 / 569	21	365 / 166	15.4 / 391
2C610U120800709	8	12	12	0.789 / 20.04	0.901 / 22.89	423 / 630	21	418 / 189	16.2 / 412
2C610U121000709	10	12	12	0.848 / 21.54	0.96 / 24.38	486 / 723	15	522 / 237	17.3 / 439
2C610U121200709	12	12	12	0.871 / 22.12	0.983 / 24.96	541 / 805	15	626 / 284	17.7 / 449
2C610U121400709	14	12	12	0.91 / 23.11	1.022 / 25.96	602 / 896	15	731 / 331	18.4 / 467
2C610U121500709	15	12	12	0.931 / 23.65	1.043 / 26.49	633 / 942	15	783 / 355	18.8 / 477
2C610U122000709	20	12	12	1.008 / 25.61	1.12 / 28.46	784 / 1166	15	1044 / 474	20.2 / 512
2C610U122500709	25	12	12	1.114 / 28.3	1.226 / 31.14	944 / 1404	13.5	1305 / 592	22.1 / 561
2C610U123000709	30	12	12	1.176 / 29.87	1.288 / 32.71	1081 / 1608	13.5	1566 / 710	23.2 / 589
2C610U124000709	40	12	12	1.31 / 33.28	1.422 / 36.13	1375 / 2047	12	2088 / 947	25.6 / 650
2C610U125000709	50	12	12	1.452 / 36.89	1.564 / 39.73	1664 / 2476	10.5	2610 / 1184	28.2 / 715
2C610U100200709	2	10	10	0.596 / 15.14	0.708 / 17.98	258 / 383	40	166 / 75	12.7 / 324
2C610U100300709	3	10	10	0.637 / 16.17	0.748 / 19.01	304 / 453	40	249 / 113	13.5 / 342
2C610U100400709	4	10	10	0.68 / 17.28	0.792 / 20.13	349 / 520	32	332 / 151	14.3 / 362
2C610U100500709	5	10	10	0.719 / 18.27	0.831 / 21.11	398 / 593	32	415 / 188	15 / 380
2C610U100600709	6	10	10	0.772 / 19.61	0.884 / 22.45	454 / 675	32	498 / 226	15.9 / 404
2C610U100700709	7	10	10	0.825 / 20.95	0.937 / 23.79	509 / 757	28	581 / 264	16.9 / 428
2C610U100800709	8	10	10	0.879 / 22.33	0.991 / 25.18	567 / 843	28	664 / 301	17.8 / 453
2C610U101000709	10	10	10	0.948 / 24.08	1.06 / 26.92	655 / 975	20	830 / 376	19.1 / 485
2C610U101200709	12	10	10	0.974 / 24.75	1.086 / 27.59	738 / 1098	20	996 / 452	19.6 / 497
2C610U101400709	14	10	10	0.984 / 25	1.096 / 27.84	823 / 1225	20	1162 / 527	19.7 / 501

* Ampacity value based on National Electrical Code, Version 2017, Table 3-10.15(B)(16). Values are corrected according to Table 310.15(B)(3)(a) for number of Conductors.

FOR FURTHER INFORMATION, PLEASE CONTACT:

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PART NUMBER	NUMBER OF PAIRS	CONDUCTOR SIZE	GROUND WIRE SIZE	NORMAL DIAMETERS		CABLE WEIGHT	AMPACITY	MAX. PULLING TENSION (PULLING EYE)	MIN. BEND RADIUS (PULL)
				OVER ARMOUR	OVERALL CABLE				
		(AWG/MCM)	(AWG/MCM)	(in/mm)	(in/mm)	(lbs/1000ft) (kg/km)	(30°C ambient)	(lb/kg)	(in/mm)
2C610U101500709	15	10	10	1.009 / 25.62	1.121 / 28.47	868 / 1291	20	1245 / 565	20.2 / 512
2C610U102000709	20	10	10	1.141 / 28.98	1.253 / 31.82	1094 / 1628	20	1660 / 753	22.6 / 573
2C610U102500709	25	10	10	1.264 / 32.11	1.376 / 34.95	1325 / 1972	18	2075 / 941	24.8 / 629
2C610U103000709	30	10	10	1.336 / 33.94	1.448 / 36.78	1532 / 2279	18	2490 / 1129	26.1 / 662
2C610U104000709	40	10	10	1.493 / 37.92	1.605 / 40.76	1964 / 2923	16	3320 / 1506	28.9 / 734
2C610U105000709	50	10	10	1.658 / 42.12	1.79 / 45.47	2424 / 3607	14	4150 / 1882	32.2 / 819

*Ampacity value based on National Electrical Code, Version 2017, Table 3-10.15(B)(16). Values are corrected according to Table 310.15(B)(3)(a) for number of Conductors.

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