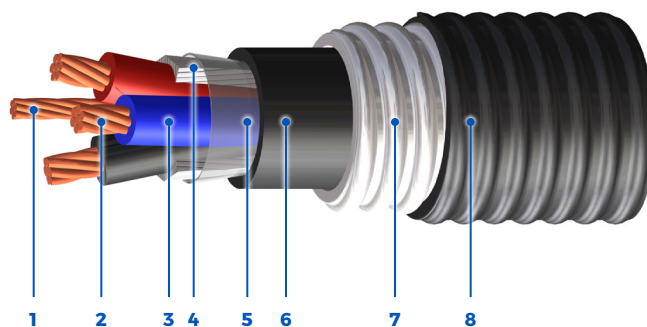


CSA LSZH Type ACIC Armoured Control, Multi-Conductor, 1000 V

LSZH 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. Applicable for use in Utilities, Industrial and Commercial applications.

Standards:



- | | |
|--|---------------------------------------|
| 1 – Bonding Conductor | 5 – Fiberglass Tape |
| 2 – Stranded Bare Copper Conductors (Tin-coated Available) | 6 – LSZH Inner Protective Jacket |
| 3 – XLPE (RW90 Rated) Insulated Conductors | 7 – Aluminum Interlocked Armour (AIA) |
| 4 – Polypropylene Fillers | 8 – LSZH Outer Protective Jacket |

Product Construction

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/dry

Shielding (foil-free edge):

- OS (optional)

Jacket:

- LSZH inner/outer black jacket rated: 90°C

Armour:

- Aluminum Interlocked Armour (AIA) (standard)
- Steel Interlocked Armour (SIA) (optional)

Available in:

- Custom insulation/jacket colours
- Composite constructions

Certification/Compliances

- CSA C22.2 No. 239, Control and instrumentation cables
- CSA C22.2 No. 38, Thermoset-insulated wires and cables
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383/1202 (70,000 BTU/hr), Vertical Flame Test rated
- CSA C22.2 No. 2556/UL 2556 ST1 Limited Smoke rated
- XLPE (RW90 rated), 90°C wet/dry
- UV sunlight resistant "SUN RES" (all colours)
- Direct burial rated
- -40°C cold bend/impact rated

- Halogen-free rated
- Rated for use in hazardous locations:
 - Zone 0 (Class 1, Division 1) (Intrinsically Safe circuits only)
 - Zone 2 (Class I, Division 2)
 - Zone 22 (Class II & III, Division 2)

Colour Coding

- 2C – Black & white
- 3C – Black, red & blue
- 4C – Black, red, blue & white
- 5C and greater - Black, number-coded with white ink

1000 V

Voltage
(Optional: 300, 600 V)

CSA Type ACIC

Control

CSA LSZH Type ACIC Armoured Control, Multi-Conductor, 1000 V

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	BONDING CONDUCTOR SIZE	NOMINAL DIAMETER			CABLE WEIGHT	AMPACITY*	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
				OVER INNER JACKET	OVER ARMOUR	OVERALL CABLE				
		AWG	AWG	in. mm	in. mm	in. mm	lb/1000ft kg/km	30°C ambient	lb kg	in. mm
60210M160200814	2	16	16	0.406 10.3	0.646 16.4	0.758 19.3	238 354	10	41 19	13.6 347
60210M160300814	3	16	16	0.44 11.2	0.680 17.3	0.792 20.1	265 395	10	62 28	14.3 362
60210M160400814	4	16	16	0.478 12.1	0.718 18.2	0.830 21.2	295 438	8	82 37	14.9 379
60210M160500814	5	16	16	0.511 13.0	0.751 19.1	0.863 21.9	323 480	8	103 47	15.5 395
60210M160600814	6	16	16	0.586 14.9	0.826 21.0	0.938 23.8	381 568	8	124 56	16.9 429
60210M160700814	7	16	16	0.631 16.0	0.871 22.1	0.983 25.0	417 621	7	144 65	17.7 449
60210M160800814	8	16	16	0.677 17.2	0.917 23.3	1.029 26.2	454 675	7	165 75	18.5 471
60210M161000814	10	16	16	0.736 18.7	0.976 24.8	1.088 27.6	502 747	7	206 93	19.6 497
60210M161200814	12	16	16	0.759 19.3	0.998 25.4	1.110 28.2	539 803	7	247 112	20.0 508
60210M161500814	15	16	16	0.819 20.8	1.058 26.9	1.170 29.7	652 970	7	309 140	21.1 535
60210M162000814	20	16	16	0.971 24.7	1.211 30.8	1.323 33.6	831 1237	7	412 187	23.8 605
60210M162500814	25	16	16	1.076 27.3	1.316 33.4	1.428 36.3	960 1428	6	515 234	25.7 653
60210M163000814	30	16	16	1.138 28.9	1.378 35.0	1.490 37.8	1056 1572	6	618 280	26.8 681
60210M164000814	40	16	16	1.271 32.3	1.511 38.4	1.623 41.2	1273 1894	6	824 374	29.2 742
60210M165000814	50	16	16	1.412 35.9	1.652 42.0	1.784 45.3	1522 2265	5	1030 467	32.1 816
60210M140200814	2	14	14	0.432 11.0	0.672 17.1	0.784 19.9	263 391	25	66 30	14.1 358
60210M140300814	3	14	14	0.47 11.9	0.710 18.0	0.822 20.9	296 440	25	99 45	14.8 376
60210M140400814	4	14	14	0.510 13.0	0.750 19.1	0.862 21.9	331 492	20	132 60	15.5 394
60210M140500814	5	14	14	0.576 14.7	0.816 20.7	0.928 23.6	392 583	20	165 75	16.7 424
60210M140600814	6	14	14	0.625 15.9	0.865 22.0	0.977 24.8	434 645	20	197 90	17.6 447
60210M140700814	7	14	14	0.674 17.1	0.914 23.2	1.026 26.1	476 708	17.5	230 104	18.5 469
60210M140800814	8	14	14	0.724 18.4	0.964 24.5	1.076 27.3	520 775	17.5	263 119	19.4 492
60210M141000814	10	14	14	0.788 20.0	1.028 26.1	1.140 29.0	625 930	17.5	329 149	20.5 521
60210M141200814	12	14	14	0.813 20.6	1.052 26.7	1.164 29.6	673 1002	17.5	395 179	21.0 532
60210M141500814	15	14	14	0.918 23.3	1.158 29.4	1.270 32.3	812 1209	17.5	494 224	22.9 581
60210M142000814	20	14	14	1.040 26.4	1.280 32.5	1.392 35.4	974 1449	17.5	658 298	25.1 636
60210M142500814	25	14	14	1.154 29.3	1.394 35.4	1.506 38.3	1135 1689	15	823 373	27.1 689
60210M143000814	30	14	14	1.221 31.0	1.461 37.1	1.573 40.0	1257 1871	15	987 448	28.3 719
60210M144000814	40	14	14	1.366 34.7	1.606 40.8	1.738 44.1	1572 2339	15	1316 597	31.3 794
60210M145000814	50	14	14	1.519 38.6	1.759 44.7	1.891 48.0	1843 2742	12.5	1645 746	34.0 865

* Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 2. Values are corrected for number of insulated conductors as applicable according to Table 5C.

CSA LSZH Type ACIC Armoured Control, Multi-Conductor, 1000 V

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	BONDING CONDUCTOR SIZE	NOMINAL DIAMETER			CABLE WEIGHT	AMPACITY*	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
				OVER INNER JACKET	OVER ARMOUR	OVERALL CABLE				
		AWG	AWG	in. mm	in. mm	in. mm	lb/1000ft kg/km	30°C ambient	lb kg	in. mm
60210M120200814	2	12	14	0.468 11.9	0.708 18.0	0.82 20.8	293 436	30	104 47	14.8 375
60210M120300814	3	12	14	0.510 13.0	0.750 19.0	0.862 21.9	337 502	30	157 71	15.5 394
60210M120400814	4	12	14	0.585 14.9	0.825 21.0	0.937 23.8	409 609	24	209 95	16.9 428
60210M120500814	5	12	14	0.625 15.9	0.865 22.0	0.980 24.8	455 677	24	261 118	17.6 446
60210M120600814	6	12	14	0.679 17.3	0.919 23.3	1.031 26.2	508 757	24	313 142	18.6 471
60210M120700814	7	12	14	0.733 18.6	0.973 24.7	1.085 27.6	563 837	21	365 166	19.5 496
60210M120800814	8	12	14	0.789 20.1	1.029 26.1	1.141 29.0	664 988	21	418 189	20.5 522
60210M121000814	10	12	14	0.900 22.9	1.140 29.0	1.252 31.8	797 1186	21	522 237	22.5 572
60210M121200814	12	12	14	0.927 23.6	1.167 29.7	1.279 32.5	865 1287	21	626 284	23.0 585
60210M121500814	15	12	14	1.000 25.4	1.240 31.5	1.352 34.3	987 1469	21	783 355	24.3 618
60210M122000814	20	12	14	1.135 28.9	1.375 34.9	1.487 37.8	1197 1782	21	1044 474	26.8 680
60210M122500814	25	12	14	1.262 32.1	1.502 38.2	1.614 41.0	1408 2096	18	1305 592	29.1 738
60210M123000814	30	12	14	1.336 34.0	1.576 40.0	1.708 43.4	1616 2405	18	1566 710	30.7 781
60210M124000814	40	12	14	1.497 38.0	1.737 44.1	1.869 47.5	1989 2960	18	2088 947	33.7 855
60210M125000814	50	12	14	1.667 42.4	1.972 50.1	2.105 53.5	2448 3644	15	2610 1184	37.9 962
60210M100200814	2	10	12	0.518 13.2	0.758 19.3	0.870 22.1	346 515	40	166 75	15.7 398
60210M100300814	3	10	12	0.595 15.1	0.836 21.2	0.948 24.1	432 643	40	249 113	17.1 433
60210M100400814	4	10	12	0.647 16.4	0.887 22.5	0.999 25.4	495 736	32	332 151	18.0 457
60210M100500814	5	10	12	0.692 17.6	0.932 23.7	1.044 26.5	558 830	32	415 188	18.8 477
60210M100600814	6	10	12	0.754 19.2	0.994 25.3	1.106 28.1	629 936	32	498 226	19.9 506
60210M100700814	7	10	12	0.816 20.7	1.056 26.8	1.168 29.7	746 1111	28	581 264	21.0 534
60210M100800814	8	10	12	0.920 23.4	1.160 29.5	1.271 32.3	875 1303	28	664 301	22.9 581
60210M101000814	10	10	12	1.000 25.4	1.240 31.5	1.352 34.3	991 1475	28	830 376	24.3 618
60210M101200814	12	10	12	1.031 26.2	1.271 32.3	1.383 35.1	1088 1619	28	996 452	24.9 632
60210M101500814	15	10	12	1.113 28.3	1.353 34.4	1.465 37.2	1256 1869	28	1245 565	26.4 670
60210M102000814	20	10	12	1.268 32.2	1.508 38.3	1.620 41.2	1543 2297	28	1660 753	29.2 741
60210M102500814	25	10	12	1.412 35.9	1.652 42.0	1.784 45.3	1871 2784	24	2075 941	32.1 816
60210M103000814	30	10	12	1.496 38.0	1.737 44.1	1.868 47.5	2114 3146	24	2490 1129	33.6 854
60210M104000814	40	10	12	1.680 42.7	1.985 50.4	2.117 53.8	2730 4063	24	3320 1506	38.1 968
60210M105000814	50	10	12	1.933 49.1	2.239 56.9	2.371 60.2	3396 5053	20	4150 1882	42.7 1084

* Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 2. Values are corrected for number of insulated conductors as applicable according to Table 5C.