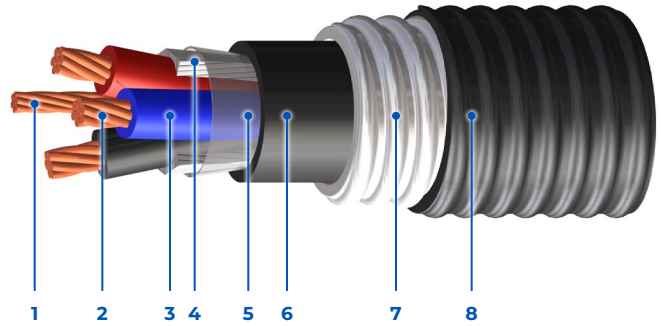


CSA LSZH ACIC Armoured Control, Multi-Conductor, 1000 V

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 in -40°C (-40°F) environments. Applicable for use in Utilities, Industrial and Commercial applications.

Standards:



- 1 – Grounding/Bonding Conductor
- 2 – Stranded Bare (ASTM B8) Annealed Copper Conductors
- 3 – XLPE (RW90 Rated) Insulated Conductors
- 4 – Polypropylene Fillers
- 5 – Polyester Separator Tape
- 6 – LSZH Inner Protective Jacket
- 7 – Aluminum Interlocked Armour (AIA)
- 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)
- Serve Wire Armour (SWA) (optional)

Available in:

- Custom insulation/jacket colours
- Composite constructions

Certification/Compliances

- CSA C22.2 NO. 239, Control & Instrumentation Cables (Type ACIC)
- CSA C22.2 NO. 38, Thermoset Insulated Wires & Cables (XLPE)
- CSA FT4,- ST1 Halogen Free & UL 1685 FT4, Vertical Tray Flame Test rated
- IEEE 383 & 1202 (70,000 BTU/hr), Vertical Flame Test rated
- ICEA T-30-520 (70,000 BTU/hr), Vertical Flame Test rated
- XLPE (RW90 rated), 90°C wet/dry
- UV sunlight resistant "SUN RES" (all colours)
- Direct burial rated
- -40°C cold bend rated
- -25°C cold impact rated

- Rated for use in hazardous locations:

- Class 1 Zone 0 (Intrinsically Safe cables only)
- Class 1 Zone 1 (Div 1)
- Class 1 Zone 2 (Div 2)

Colour Coding

- 2C – Black & white
- 3C – Black, red & blue
- 4C – Black, red, blue & white
- 5C-50C – Black # coded

1000 V

Voltage
(Optional: 600 V)

CSA Type ACIC

Control

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

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE <i>(AWG/kcmil)</i>	GROUND WIRE SIZE <i>(AWG/kcmil)</i>	OD OVER INNER JACKET <i>(in/mm)</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>				
60210M160200814	2	16	16	0.406 / 10.31	0.646 / 16.41	0.758 / 19.25	238 / 354	10	41 / 19	13.6 / 347
60210M160300814	3	16	16	0.44 / 11.19	0.68 / 17.28	0.792 / 20.13	265 / 395	10	62 / 28	14.3 / 362
60210M160400814	4	16	16	0.478 / 12.14	0.718 / 18.24	0.83 / 21.08	295 / 438	8	82 / 37	14.9 / 379
60210M160500814	5	16	16	0.511 / 12.98	0.751 / 19.08	0.863 / 21.93	323 / 480	8	103 / 47	15.5 / 395
60210M160600814	6	16	16	0.586 / 14.88	0.826 / 20.98	0.938 / 23.83	381 / 568	8	124 / 56	16.9 / 429
60210M160700814	7	16	16	0.631 / 16.03	0.871 / 22.12	0.983 / 24.96	417 / 621	7	144 / 65	17.7 / 449
60210M160800814	8	16	16	0.677 / 17.21	0.917 / 23.3	1.029 / 26.15	454 / 675	7	165 / 75	18.5 / 471
60210M161000814	10	16	16	0.736 / 18.69	0.976 / 24.79	1.088 / 27.64	502 / 747	7	206 / 93	19.6 / 497
60210M161200814	12	16	16	0.759 / 19.27	0.998 / 25.36	1.11 / 28.2	539 / 803	7	247 / 112	20 / 508
60210M161500814	15	16	16	0.819 / 20.79	1.058 / 26.88	1.17 / 29.73	652 / 970	7	309 / 140	21.1 / 535
60210M162000814	20	16	16	0.971 / 24.66	1.211 / 30.75	1.323 / 33.6	831 / 1237	7	412 / 187	23.8 / 605
60210M162500814	25	16	16	1.076 / 27.33	1.316 / 33.43	1.428 / 36.27	960 / 1428	6	515 / 234	25.7 / 653
60210M163000814	30	16	16	1.138 / 28.89	1.378 / 34.99	1.49 / 37.84	1056 / 1572	6	618 / 280	26.8 / 681
60210M164000814	40	16	16	1.271 / 32.28	1.511 / 38.37	1.623 / 41.22	1273 / 1894	6	824 / 374	29.2 / 742
60210M165000814	50	16	16	1.412 / 35.86	1.652 / 41.97	1.784 / 45.32	1522 / 2265	5	1030 / 467	32.1 / 816
60210M140200814	2	14	14	0.432 / 10.97	0.672 / 17.07	0.784 / 19.91	263 / 391	25	66 / 30	14.1 / 358
60210M140300814	3	14	14	0.47 / 11.93	0.71 / 18.02	0.822 / 20.87	296 / 440	25	99 / 45	14.8 / 376
60210M140400814	4	14	14	0.51 / 12.96	0.75 / 19.05	0.862 / 21.9	331 / 492	20	132 / 60	15.5 / 394
60210M140500814	5	14	14	0.576 / 14.63	0.816 / 20.73	0.928 / 23.58	392 / 583	20	165 / 75	16.7 / 424
60210M140600814	6	14	14	0.625 / 15.88	0.865 / 21.97	0.977 / 24.82	434 / 645	20	197 / 90	17.6 / 447
60210M140700814	7	14	14	0.674 / 17.12	0.914 / 23.21	1.026 / 26.05	476 / 708	17.5	230 / 104	18.5 / 469
60210M140800814	8	14	14	0.724 / 18.4	0.964 / 24.49	1.076 / 27.34	520 / 775	17.5	263 / 119	19.4 / 492
60210M141000814	10	14	14	0.788 / 20.02	1.028 / 26.11	1.14 / 28.96	625 / 930	17.5	329 / 149	20.5 / 521
60210M141200814	12	14	14	0.813 / 20.64	1.052 / 26.73	1.164 / 29.58	673 / 1002	17.5	395 / 179	21 / 532
60210M141500814	15	14	14	0.918 / 23.31	1.158 / 29.41	1.27 / 32.26	812 / 1209	17.5	494 / 224	22.9 / 581
60210M142000814	20	14	14	1.04 / 26.41	1.28 / 32.51	1.392 / 35.35	974 / 1449	17.5	658 / 298	25.1 / 636
60210M142500814	25	14	14	1.154 / 29.31	1.394 / 35.41	1.506 / 38.25	1135 / 1689	15	823 / 373	27.1 / 689
60210M143000814	30	14	14	1.221 / 31.01	1.461 / 37.1	1.573 / 39.95	1257 / 1871	15	987 / 448	28.3 / 719
60210M144000814	40	14	14	1.366 / 34.69	1.606 / 40.79	1.738 / 44.14	1572 / 2339	15	1316 / 597	31.3 / 794
60210M145000814	50	14	14	1.519 / 38.59	1.759 / 44.69	1.891 / 48.04	1843 / 2742	12.5	1645 / 746	34 / 865

*Ampacity value based on Canadian Electrical Code, Version 2018, Table-2. Values are corrected according to Table-5C for number of Conductors.

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

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE <i>(AWG/kcmil)</i>	GROUND WIRE SIZE <i>(AWG/kcmil)</i>	OD OVER INNER JACKET <i>(in/mm)</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>				
60210M120200814	2	12	14	0.468 / 11.89	0.708 / 17.98	0.82 / 20.83	293 / 436	30	104 / 47	14.8 / 375
60210M120300814	3	12	14	0.51 / 12.95	0.75 / 19.04	0.862 / 21.88	337 / 502	30	157 / 71	15.5 / 394
60210M120400814	4	12	14	0.585 / 14.86	0.825 / 20.95	0.937 / 23.8	409 / 609	24	209 / 95	16.9 / 428
60210M120500814	5	12	14	0.625 / 15.87	0.865 / 21.96	0.98 / 24.8	455 / 677	24	261 / 118	17.6 / 446
60210M120600814	6	12	14	0.679 / 17.25	0.919 / 23.34	1.031 / 26.19	508 / 757	24	313 / 142	18.6 / 471
60210M120700814	7	12	14	0.733 / 18.63	0.973 / 24.73	1.085 / 27.57	563 / 837	21	365 / 166	19.5 / 496
60210M120800814	8	12	14	0.789 / 20.05	1.029 / 26.14	1.141 / 28.99	664 / 988	21	418 / 189	20.5 / 522
60210M121000814	10	12	14	0.9 / 22.86	1.14 / 28.96	1.252 / 31.8	797 / 1186	21	522 / 237	22.5 / 572
60210M121200814	12	12	14	0.927 / 23.55	1.167 / 29.65	1.279 / 32.49	865 / 1287	21	626 / 284	23 / 585
60210M121500814	15	12	14	1 / 25.39	1.24 / 31.49	1.352 / 34.34	987 / 1469	21	783 / 355	24.3 / 618
60210M122000814	20	12	14	1.135 / 28.84	1.375 / 34.94	1.487 / 37.78	1197 / 1782	21	1044 / 474	26.8 / 680
60210M122500814	25	12	14	1.262 / 32.05	1.502 / 38.15	1.614 / 41	1408 / 2096	18	1305 / 592	29.1 / 738
60210M123000814	30	12	14	1.336 / 33.94	1.576 / 40.03	1.708 / 43.38	1616 / 2405	18	1566 / 710	30.7 / 781
60210M124000814	40	12	14	1.497 / 38.03	1.737 / 44.13	1.869 / 47.48	1989 / 2960	18	2088 / 947	33.7 / 855
60210M125000814	50	12	14	1.667 / 42.35	1.972 / 50.1	2.105 / 53.45	2448 / 3644	15	2610 / 1184	37.9 / 962
60210M100200814	2	10	12	0.518 / 13.16	0.758 / 19.25	0.87 / 22.1	346 / 515	40	166 / 75	15.7 / 398
60210M100300814	3	10	12	0.595 / 15.12	0.836 / 21.23	0.948 / 24.07	432 / 643	40	249 / 113	17.1 / 433
60210M100400814	4	10	12	0.647 / 16.43	0.887 / 22.53	0.999 / 25.37	495 / 736	32	332 / 151	18 / 457
60210M100500814	5	10	12	0.692 / 17.58	0.932 / 23.67	1.044 / 26.52	558 / 830	32	415 / 188	18.8 / 477
60210M100600814	6	10	12	0.754 / 19.15	0.994 / 25.25	1.106 / 28.09	629 / 936	32	498 / 226	19.9 / 506
60210M100700814	7	10	12	0.816 / 20.72	1.056 / 26.82	1.168 / 29.67	746 / 1111	28	581 / 264	21 / 534
60210M100800814	8	10	12	0.92 / 23.36	1.16 / 29.45	1.271 / 32.3	875 / 1303	28	664 / 301	22.9 / 581
60210M101000814	10	10	12	1 / 25.4	1.24 / 31.5	1.352 / 34.34	991 / 1475	28	830 / 376	24.3 / 618
60210M101200814	12	10	12	1.031 / 26.18	1.271 / 32.28	1.383 / 35.12	1088 / 1619	28	996 / 452	24.9 / 632
60210M101500814	15	10	12	1.113 / 28.28	1.353 / 34.37	1.465 / 37.22	1256 / 1869	28	1245 / 565	26.4 / 670
60210M102000814	20	10	12	1.268 / 32.2	1.508 / 38.3	1.62 / 41.15	1543 / 2297	28	1660 / 753	29.2 / 741
60210M102500814	25	10	12	1.412 / 35.86	1.652 / 41.96	1.784 / 45.31	1871 / 2784	24	2075 / 941	32.1 / 816
60210M103000814	30	10	12	1.496 / 38.01	1.737 / 44.11	1.868 / 47.46	2114 / 3146	24	2490 / 1129	33.6 / 854
60210M104000814	40	10	12	1.68 / 42.67	1.985 / 50.42	2.117 / 53.77	2730 / 4063	24	3320 / 1506	38.1 / 968
60210M105000814	50	10	12	1.933 / 49.11	2.239 / 56.86	2.371 / 60.22	3396 / 5053	20	4150 / 1882	42.7 / 1084

*Ampacity value based on Canadian Electrical Code, Version 2018, Table-2. Values are corrected according to Table-5C for number of Conductors.