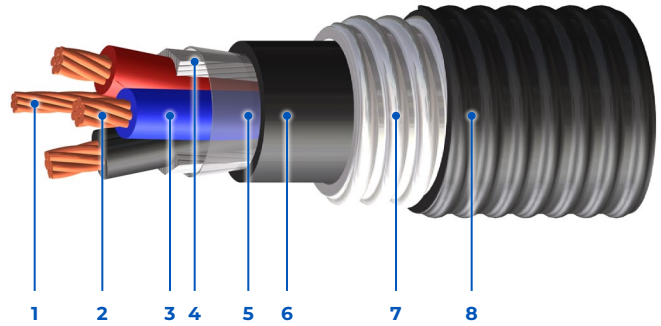


# CSA LSZH ACIC Armoured Power, Multi-Conductor, 1000 V

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.



- 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

## Standards:



## Product Construction

### Insulation:

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

### Shielding (foil-free edge):

- OS (optional)

### Jacket:

- LSZH 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 I Zone 1 (Div 1)
- Class I 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

Power

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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>				
60210M080200814	2	8	10	0.606 / 15.39	0.846 / 21.49	0.958 / 24.33	451 / 671	55	265 / 120	17.2 / 438
60210M060200814	2	6	8	0.744 / 18.9	0.984 / 24.99	1.096 / 27.84	605 / 901	75	419 / 190	19.7 / 501
60210M040200814	2	4	8	0.838 / 21.29	1.078 / 27.38	1.19 / 30.23	797 / 1187	95	668 / 303	21.4 / 544
60210M030200814	2	3	6	0.932 / 23.67	1.172 / 29.77	1.284 / 32.61	978 / 1456	115	842 / 382	23.1 / 587
60210M020200814	2	2	6	0.994 / 25.25	1.234 / 31.34	1.346 / 34.19	1102 / 1640	130	1062 / 482	24.2 / 615
60210M010240814	2	1	6	1.152 / 29.26	1.392 / 35.36	1.504 / 38.2	1319 / 1963	145	1339 / 607	27.1 / 688
60210M1/0240814	2	1/0	6	1.232 / 31.29	1.472 / 37.39	1.584 / 40.23	1507 / 2243	170	1690 / 766	28.5 / 724
60210M2/0240814	2	2/0	6	1.318 / 33.48	1.558 / 39.57	1.69 / 42.93	1770 / 2635	195	2130 / 966	30.4 / 773
60210M3/0240814	2	3/0	4	1.42 / 36.07	1.66 / 42.16	1.792 / 45.52	2105 / 3132	225	2671 / 1212	32.3 / 819
60210M4/0240814	2	4/0	4	1.532 / 38.91	1.837 / 46.66	1.969 / 50.01	2541 / 3782	260	3386 / 1536	35.4 / 900
60210M080300814	3	8	10	0.66 / 16.76	0.9 / 22.86	1.012 / 25.7	537 / 799	55	397 / 180	18.2 / 463
60210M060300814	3	6	8	0.813 / 20.66	1.054 / 26.76	1.166 / 29.61	782 / 1164	75	629 / 285	21 / 533
60210M040300814	3	4	8	0.93 / 23.63	1.171 / 29.73	1.283 / 32.58	1029 / 1532	95	1002 / 454	23.1 / 586
60210M030300814	3	3	6	0.988 / 25.11	1.229 / 31.2	1.341 / 34.05	1200 / 1785	115	1263 / 573	24.1 / 613
60210M020300814	3	2	6	1.055 / 26.8	1.295 / 32.9	1.407 / 35.75	1372 / 2042	130	1593 / 723	25.3 / 643
60210M010340814	3	1	6	1.225 / 31.11	1.465 / 37.2	1.577 / 40.05	1664 / 2477	145	2009 / 911	28.4 / 721
60210M1/0340814	3	1/0	6	1.311 / 33.3	1.551 / 39.39	1.683 / 42.74	1966 / 2926	170	2534 / 1150	30.3 / 769
60210M2/0340814	3	2/0	6	1.403 / 35.65	1.644 / 41.74	1.775 / 45.1	2290 / 3409	195	3194 / 1449	32 / 812
60210M3/0240814	3	3/0	4	1.42 / 36.07	1.66 / 42.16	1.792 / 45.52	2105 / 3132	225	2671 / 1212	32.3 / 819
60210M4/0340814	3	4/0	4	1.633 / 41.49	1.938 / 49.24	2.071 / 52.59	3335 / 4964	260	5078 / 2304	37.3 / 947
60210M080400814	4	8	10	0.719 / 18.26	0.959 / 24.35	1.071 / 27.2	625 / 930	55	529 / 240	19.3 / 490
60210M060400814	4	6	8	0.929 / 23.59	1.169 / 29.69	1.281 / 32.53	971 / 1445	75	839 / 380	23.1 / 586
60210M040400814	4	4	8	1.045 / 26.56	1.286 / 32.66	1.398 / 35.5	1248 / 1857	95	1336 / 606	25.2 / 639
60210M030400814	4	3	6	1.112 / 28.26	1.353 / 34.36	1.465 / 37.2	1455 / 2165	115	1684 / 764	26.4 / 670
60210M020400814	4	2	6	1.189 / 30.21	1.429 / 36.3	1.541 / 39.14	1679 / 2498	130	2124 / 964	27.7 / 705
60210M010440814	4	1	6	1.351 / 34.32	1.591 / 40.42	1.723 / 43.77	2082 / 3098	145	2678 / 1215	31 / 788
60210M1/0440814	4	1/0	6	1.448 / 36.77	1.688 / 42.87	1.82 / 46.22	2436 / 3626	170	3379 / 1533	32.8 / 832
60210M2/0440814	4	2/0	6	1.551 / 39.4	1.856 / 47.15	1.988 / 50.51	2948 / 4387	195	4259 / 1932	35.8 / 909
60210M3/0440814	4	3/0	4	1.674 / 42.52	1.979 / 50.28	2.111 / 53.63	3531 / 5255	225	5343 / 2423	38 / 965
60210M4/0440814	4	4/0	4	1.869 / 47.48	2.174 / 55.23	2.306 / 58.58	4336 / 6453	260	6771 / 3071	41.5 / 1054

\*Ampacity value based on Canadian Electrical Code, Version 2018, Table-2. Ampacity of 4 conductors cable is based on 3 current-carrying conductors and 1 neutral.