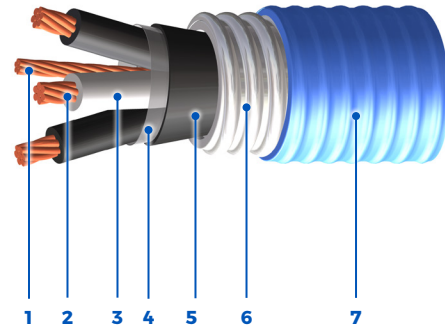


CSA Armcon, Armoured, Multi-Conductor, 600 V

Unshielded armoured control cable is used for operation of control automation equipment. Interlocked armour replaces the use of conduit for mechanical protection. Cable can be directly buried, installed in raceways, including cable tray in wet or dry environments. Cable is suitable for use in outdoor exposed applications and is rated for damp or dry locations in -40°C (-40°F) environments.

Standards:



- 1 - Stranded Bare Copper Conductors (Tin-coated Available)
- 2 - Grounding Conductor
- 3 - XLPE (RW90 Rated) Insulated Conductors
- 4 - Polyester Separator Tape
- 5 - FR LAG PVC Inner Protective Jacket
- 6 - Aluminum Interlocked Armour (AIA)
- 7 - FR LAG PVC Outer Protective Jacket

Product Construction

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/105°C dry

Shielding:

- ISOS (optional)
- OS (optional)

Armour:

- Aluminum Interlocked Armour (AIA) (optional)
- Steel Interlocked Armour (SIA) (optional)
- Serve Wired Armour (SWA) (optional)

Jacket:

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

Available in:

- Verlock (for mineshaft applications)
- Custom insulation/jacket colours
- Composite constructions

Certification/Compliances

- CSA C22.2 NO. 239, Control & Instrumentation Cables (Type ACIC)
- CSA C22.2 NO. 174, Cables & Cable Glands for use in Hazardous Locations
- CSA C22.2 NO. 38, Thermoset Insulated Wires & Cables (XLPE)
- CSA FT4, 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/impact rated
- HL rated for use in hazardous locations:
 - Class I Zone 0 (Intrinsically Safe cables only)
 - Class I Zone 1 (Div 1)
 - Class I Zone 2 (Div 2)

600 V

Voltage

Optional:
300/1000 V

Color Coding

- First conductor white, all remaining conductors are black number coded

CSA Type ACIC

Controls

CSA Armcon, Armoured, Multi-Conductor, 600 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)
					OVER ARMOUR	OVERALL CABLE				
		AWG/kcmil	AWG/kcmil	in/mm	in/mm	in/mm	lbs/1000ft kg/km	30°C ambient	lb/kg	in/mm
69210M160209714	2	16	16	0.326 / 8.3	0.566 / 14.4	0.678 / 17.2	185 / 276	10	41 / 19	12.2 / 310
69210M160309714	3	16	16	0.354 / 9.0	0.594 / 15.1	0.706 / 17.9	206 / 306	10	62 / 28	12.7 / 323
69210M160409714	4	16	16	0.384 / 9.7	0.624 / 15.8	0.736 / 18.7	227 / 338	8	82 / 37	13.2 / 336
69210M160509714	5	16	16	0.410 / 10.4	0.650 / 16.5	0.762 / 19.4	249 / 370	8	103 / 47	13.7 / 348
69210M160609714	6	16	16	0.446 / 11.3	0.686 / 17.4	0.798 / 20.3	273 / 406	8	124 / 56	14.4 / 365
69210M160709714	7	16	16	0.482 / 12.2	0.722 / 18.3	0.834 / 21.2	298 / 443	7	144 / 65	15 / 381
69210M160809714	8	16	16	0.545 / 13.9	0.785 / 19.9	0.897 / 22.8	345 / 513	7	165 / 75	16.1 / 410
69210M161009714	10	16	16	0.592 / 15.0	0.832 / 21.1	0.944 / 24.0	381 / 567	7	206 / 93	17 / 432
69210M161209714	12	16	16	0.610 / 15.5	0.850 / 21.6	0.962 / 24.4	410 / 610	7	247 / 112	17.3 / 440
69210M161509714	15	16	16	0.658 / 16.7	0.898 / 22.8	1.010 / 25.7	460 / 684	7	309 / 140	18.2 / 462
69210M162009714	20	16	16	0.748 / 19.0	0.988 / 25.1	1.100 / 27.9	554 / 824	7	412 / 187	19.8 / 503
69210M162509714	25	16	16	0.864 / 22.0	1.104 / 28.0	1.216 / 30.9	727 / 1082	6	515 / 234	21.9 / 556
69210M163009714	30	16	16	0.913 / 23.2	1.153 / 29.3	1.265 / 32.1	801 / 1192	6	618 / 280	22.8 / 578
69210M164009714	40	16	16	1.020 / 25.9	1.260 / 32.0	1.372 / 34.8	972 / 1447	6	824 / 374	24.7 / 627
69210M165009714	50	16	16	1.133 / 28.8	1.373 / 34.9	1.485 / 37.7	1135 / 1689	5	1030 / 467	26.7 / 679

*Ampacity value based on Canadian Electrical Code, Version 2018, Table-2 and Table-57. Values are corrected according to Table-5C and Table-57 for number of Conductors.