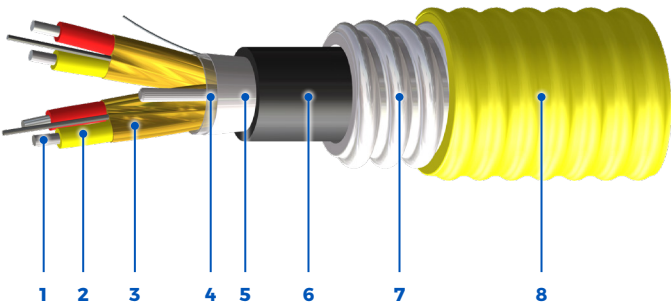


CSA Type ACIC Armoured Thermocouple Extension, 300 V

Thermocouple Extension cables offer advantages in cost and mechanical properties when used for connections between thermocouples and instruments.

Standards:



- 1 – Thermocouple Alloys

2 – Insulated Thermocouple Alloy Wires

3 – Individual Aluminum/Mylar Shielded Pairs with Tin-coated Copper Drain Wire

4 – Polyester Separator Tape
- 5 – Overall Aluminum/Mylar Shield with Tin-coated Copper Drain Wire

6 – FR PVC Black Inner Protective Jacket

7 – Aluminum Interlocked Armour (AIA)

8 – FR PVC Yellow Outer Protective Jacket

Product Construction

Insulation:

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

Shielding (foil-free edge):

- ISOS (standard)
- OS (optional)

Armour:

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

Jacket:

- FR LAG PVC (AG14 rated) inner black jacket rated: 90°C to -40°C
- FR LAG PVC (AG14 rated) outer yellow jacket dependent on requested thermocouple alloy rated: 90°C to -40°C

Available in:

- Composite constructions
- Custom insulation/ jacket colours
- Extension cables for type E, J, K, N, R, S and T thermocouple alloys

Certification/Compliances

- CSA C22.2, No. 239, Control and instrumentation cables
- CSA C22.2 No. 174, Cables and cable glands for use in hazardous locations
- 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
- XLPE (RW90 rated), 90°C wet/105°C dry
- UV sunlight resistant “SUN RES” (all colours)
- Direct burial rated
- -40°C cold bend/ impact rated

- HL rated for use in hazardous locations:
 - Zone 0 (Class 1, Division 1) (Intrinsically Safe circuits only)
 - Zone 1 (Class I, Division 1), Zone 2 (Class I, Division 2)
 - Zone 20 & 21 (Class II & III, Division 1), Zone 22 (Class II & III, Division 2)
- HL-BCD gas groups rated

Colour Coding

• Type EX:	(+) Purple	(-) Red	Purple jacket
• Type JX:	(+) White	(-) Red	Black jacket
• Type KX:	(+) Yellow	(-) Red	Yellow jacket
• Type NX:	(+) Orange	(-) Red	Orange jacket
• Type RX/SX:	(+) Black	(-) Red	Green jacket
• Type TX:	(+) Blue	(-) Red	Blue jacket

300 V

Voltage
(Optional: 600 V)

CSA Type ACIC

Thermocouple Extension

CSA Type ACIC Armoured Thermocouple Extension, 300 V

PART NUMBER	NUMBER OF PAIRS	CONDUCTOR SIZE	NOMINAL DIAMETER			CABLE WEIGHT	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
			OVER INNER JACKET	OVER ARMOUR	OVERALL CABLE			
		AWG	in. mm	in. mm	in. mm	lb/1000ft kg/km	lb kg	in. mm
74221M1601XY700	1	16	0.313 8.0	0.553 14.0	0.665 16.9	177 263	41.0 19	12.0 304
74222M1602XY700	2	16	0.458 11.6	0.698 17.7	0.810 20.6	267 397	82.0 37	14.6 371
74222M1604XY700	4	16	0.535 13.6	0.775 19.7	0.867 22.5	334 497	165.0 75	16.0 405
74222M1606XY700	6	16	0.671 17.0	0.911 23.1	1.023 26.0	451 670	247.0 112	18.4 468
74222M1608XY700	8	16	0.727 18.5	0.967 24.6	1.079 27.4	519 773	330.0 150	19.4 493
74222M1612XY700	12	16	0.922 23.4	1.162 29.5	1.274 32.4	771 1148	494.0 224	22.9 583
74222M1624XY700	24	16	1.264 32.1	1.504 38.2	1.616 41.0	1222 1819	989.0 449	29.1 739
74221M1801XY700	1	18	0.291 7.4	0.531 13.5	0.643 16.3	163 242	26.0 12	11.6 294
74221M1802XY700	2	18	0.422 10.7	0.662 16.8	0.774 19.7	241 358	52.0 24	13.9 354
74222M1804XY700	4	18	0.491 12.5	0.731 18.6	0.843 21.4	290 432	104.0 47	15.2 385
74222M1806XY700	6	18	0.616 15.6	0.856 21.7	0.968 24.6	387 576	156.0 71	17.4 442
74222M1808XY700	8	18	0.666 16.9	0.906 23.0	1.018 25.8	439 653	208.0 94	18.3 465
74222M181247700	12	18	0.805 20.4	1.045 26.5	1.157 29.4	607 904	312.0 142	20.8 529
74222M1824XY700	24	18	1.151 29.2	1.391 35.3	1.503 38.2	1003 1493	624.0 283	27.1 687