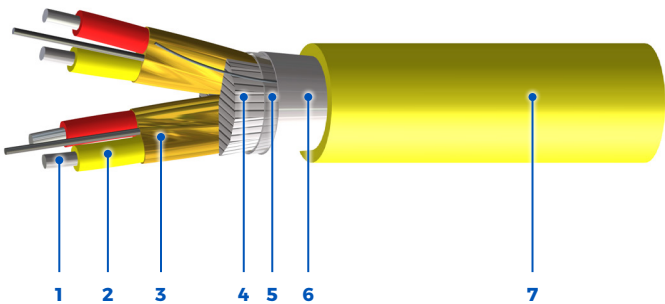


CSA Type CIC TC Tray Thermocouple Extension, 300 V

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 – Polypropylene Fillers
- 5 – Polyester Separator Tape

6 – Overall Aluminum/Mylar Shield with Tin-coated Copper Drain Wire

7 – FR PVC Outer Protective Jacket

Product Construction

- Insulation:**
- XLPE (RW90 rated) rated: 90°C wet/105°C dry
- Shielding (foil-free edge):**
- ISOS (standard)
 - OS (optional)

- Jacket:**
- FR PVC yellow 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. 230, Tray cables
- 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
- 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
- Rated for use in hazardous locations:
 - Zone 0 (Class 1, Division 1) (Intrinsically Safe circuits only)
 - Class I Zone 2 (Div 2)
 - TC-BCD gas groups rated

300 V

Voltage
(Optional: 600 V)

CSA Type CIC

Thermocouple Extension

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 |

CSA Type CIC TC Tray Thermocouple Extension, 300 V

PART NUMBER	NUMBER OF PAIRS	CONDUCTOR SIZE	NOMINAL DIAMETER OVERALL CABLE	CABLE WEIGHT	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
		AWG	in. mm	lb/1000ft kg/km	(lb/kg)	in. mm
7B021M1601XY0T8	1	16	0.337 8.6	52 78	41.0 19	6.1 154
7B022M1602XY0T8	2	16	0.498 12.7	117 174	82.0 37	9.0 228
7B022M1604XY0T8	4	16	0.612 15.6	183 273	165.0 75	11.0 280
7B022M1606XY0T8	6	16	0.731 18.6	262 390	247.0 112	13.2 334
7B022M1608XY0T8	8	16	0.793 20.2	322 480	330.0 150	14.3 363
7B022M1612XY0T8	12	16	1.007 25.6	493 733	494.0 224	18.1 460
7B022M1624XY0T8	24	16	1.387 35.2	890 1324	989.0 449	25.0 634
7B021M1801XY0T8	1	18	0.315 8	43 64	26.0 12	5.7 144
7B022M1802XY0T8	2	18	0.462 11.7	96 143	52.0 24	8.3 211
7B022M1804XY0T8	4	18	0.568 14.4	147 218	104.0 47	10.2 260
7B022M1806XY0T8	6	18	0.676 17.2	207 308	156.0 71	12.2 309
7B022M1808XY0T8	8	18	0.732 18.6	253 377	208.0 94	13.2 335
7B022M1812XY0T8	12	18	0.929 23.6	386 575	312.0 142	16.7 425
7B022M1824XY0T8	24	18	1.274 32.36	685 1019	624.0 283	22.9 583
7B021M2001XY0T8	1	20	0.299 7.6	38 56	16.0 7	5.4 137
7B022M2002XY0T8	2	20	0.435 11.1	83 124	32.0 15	7.8 199
7B022M2004XY0T8	4	20	0.506 12.9	112 167	64.0 29	9.1 231
7B022M2006XY0T8	6	20	0.636 16.2	176 261	96.0 44	11.4 291
7B022M2008XY0T8	8	20	0.688 17.5	212 316	128.0 58	12.4 314
7B022M2012XY0T8	12	20	0.833 21.2	293 436	192.0 87	15.0 381
7B022M2024XY0T8	24	20	1.192 30.3	568 845	384.0 174	21.5 545