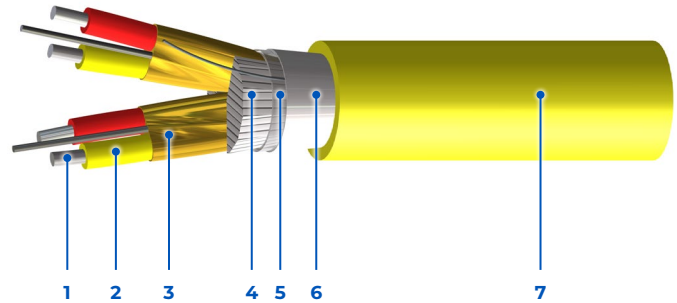


CSA Unarmoured Tray Thermocouple Extension, 300 V

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



- 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

Standards:



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)

Jacket:

- FR PVC yellow (standard) 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 (TC)
- CSA C22.2 NO. 239, Control & Instrumentation Cables (Type CIC)
- 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/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:
 - Class 1 Zone 0 (Intrinsically Safe cables only)
 - Class 1 Zone 2 (Div 2)
 - TC-BCD gas groups rated

Colour Coding

- Pairs – Red, yellow – for KX type
- Pairs – Red, white – for JX type
- Pairs – Red, purple – for EX type
- Pairs – Red, black – for SX/RX type
- Pairs – Red, orange – for NX type
- Pairs – Red, blue – for NX type

300 V

Voltage
(Optional: 600 V)

CSA Type CIC

Thermocouple
Extension

CSA Unarmoured Tray Thermocouple Extension, 300 V

PART NUMBER	NUMBER OF PAIRS	CONDUCTOR SIZE	NORMAL DIAMETERS OVERALL CABLE	CABLE WEIGHT	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
		(AWG/ kcmil)	(in/mm)	(lbs/1000ft) (kg/km)	(lb/kg)	(in/mm)
7B021M1601XY0T8	1	16	0.337 / 8.56	52 / 78	41 / 19	6.1 / 154
7B022M1602XY0T8	2	16	0.498 / 12.65	117 / 174	82 / 37	9 / 228
7B022M1604XY0T8	4	16	0.612 / 15.55	183 / 273	165 / 75	11 / 280
7B022M1606XY0T8	6	16	0.731 / 18.58	262 / 390	247 / 112	13.2 / 334
7B022M1608XY0T8	8	16	0.793 / 20.15	322 / 480	330 / 150	14.3 / 363
7B022M1612XY0T8	12	16	1.007 / 25.57	493 / 733	494 / 224	18.1 / 460
7B022M1624XY0T8	24	16	1.387 / 35.23	890 / 1324	989 / 449	25 / 634
7B021M1801XY0T8	1	18	0.315 / 8	43 / 64	26 / 12	5.7 / 144
7B022M1802XY0T8	2	18	0.462 / 11.73	96 / 143	52 / 24	8.3 / 211
7B022M1804XY0T8	4	18	0.568 / 14.43	147 / 218	104 / 47	10.2 / 260
7B022M1806XY0T8	6	18	0.676 / 17.17	207 / 308	156 / 71	12.2 / 309
7B022M1808XY0T8	8	18	0.732 / 18.6	253 / 377	208 / 94	13.2 / 335
7B022M1812XY0T8	12	18	0.929 / 23.6	386 / 575	312 / 142	16.7 / 425
7B022M1824XY0T8	24	18	1.274 / 32.36	685 / 1019	624 / 283	22.9 / 583
7B021M2001XY0T8	1	20	0.299 / 7.59	38 / 56	16 / 7	5.4 / 137
7B022M2002XY0T8	2	20	0.435 / 11.06	83 / 124	32 / 15	7.8 / 199
7B022M2004XY0T8	4	20	0.506 / 12.85	112 / 167	64 / 29	9.1 / 231
7B022M2006XY0T8	6	20	0.636 / 16.15	176 / 261	96 / 44	11.4 / 291
7B022M2008XY0T8	8	20	0.688 / 17.47	212 / 316	128 / 58	12.4 / 314
7B022M2012XY0T8	12	20	0.833 / 21.16	293 / 436	192 / 87	15 / 381
7B022M2024XY0T8	24	20	1.192 / 30.28	568 / 845	384 / 174	21.5 / 545