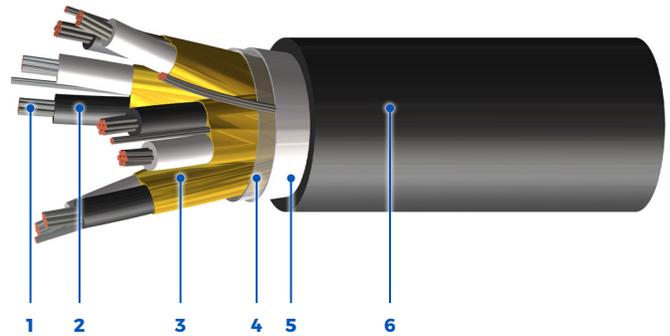


CSA Type CIC TC Tray Instrumentation, 300 V

Tray Instrumentation cables can be used to minimize noise and signal interference by preventing crosstalk between pairs and triads. This cable can also be used to convert analogue or digital signals. Type TC Instrumentation cables can be installed in raceways, cable trays, direct burial applications and in outdoor exposed industrial applications.

Standards:



- 1 - Stranded Bare Copper Conductors (Tin-coated Available)
- 2 - XLPE (RW90 Rated) Insulated Conductors
- 3 - Individually Shielded Pairs/Triads with Tin-coated Copper Drain Wire
- 4 - Polyester Separator Tape
- 5 - Overall Aluminum/Mylar Shield with Tin-coated Copper Drain Wire
- 6 - FR PVC Outer Protective Jacket

Product Construction

Insulation:

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

Shielding (foil-free edge):

- ISOS (standard)
- OS (optional)

Jacket:

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

Available in:

- Copper tape or braided shield
- Custom insulation/jacket colours
- Composite constructions

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. 75, Thermoplastic-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)
 - Zone 2 (Class I, Division 2)
 - Zone 22 (Class II & III, Division 2)
 - TC-BCD gas groups rated

Colour Coding

- Pairs - Black, & white, number-coded with black ink printed on white conductor (standard)
- Triads - Black, white & red, number-coded with black ink printed on white conductor (standard)

300 V

Voltage (Optional: 600, 1000 V)

CSA Type CIC TC

Instrumentation

CSA Type CIC TC Tray Instrumentation, 300 V

Pairs

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
4B021M160100008	1	16	0.347 8.8	56 84	41 19	6.2 159
4B022M160200008	2	16	0.514 13.1	125 186	82 37	9.3 235
4B022M160400008	4	16	0.632 16.1	195 290	165 75	11.4 289
4B022M160600008	6	16	0.756 19.2	280 416	247 112	13.6 346
4B022M160800008	8	16	0.821 20.9	346 515	330 150	14.8 375
4B022M161200008	12	16	1.042 26.5	528 786	494 224	18.7 476
4B022M161600008	16	16	1.160 29.5	663 986	659 299	20.9 530
4B022M162400008	24	16	1.438 36.5	961 1431	989 449	25.9 658
4B022M163600008	36	16	1.657 42.1	1357 2019	1483 673	29.8 758
4B022M180200008	2	18	0.475 12.1	99 147	52 24	8.5 217
4B022M180400008	4	18	0.584 14.8	151 225	104 47	10.5 267
4B022M180600008	6	18	0.696 17.7	215 319	156 71	12.5 318
4B022M180800008	8	18	0.754 19.2	263 392	208 94	13.6 345
4B022M181200008	12	18	0.957 24.3	401 597	312 142	17.2 438
4B022M181600008	16	18	1.064 27.0	499 742	416 189	19.2 487
4B022M182400008	24	18	1.315 33.4	716 1065	624 283	23.7 601
4B022M183600008	36	18	1.512 38.4	997 1484	936 425	27.2 692
4B021M200100008	1	20	0.303 7.7	39 57	16 7	5.5 139
4B022M200200008	2	20	0.442 11.2	84 125	32 15	8.0 202
4B022M200400008	4	20	0.514 13.1	113 169	64 29	9.3 235
4B022M200600008	6	20	0.646 16.4	178 264	96 44	11.6 295
4B022M200800008	8	20	0.699 17.8	215 320	128 58	12.6 320
4B022M201200008	12	20	0.887 22.5	330 491	192 87	16.0 406
4B022M201600008	16	20	0.984 25.0	405 603	256 116	17.7 450
4B022M202400008	24	20	1.213 30.8	579 861	384 174	21.8 554
4B022M203600008	36	20	1.392 35.4	798 1188	576 261	25.1 636

CSA Type CIC TC Tray Instrumentation, 300 V

Triads

PART NUMBER	NUMBER OF TRIADS	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
4B031M160100008	1	16	0.365 9.3	71 106	62 28	6.6 167
4B032M160200008	2	16	0.615 15.6	178 265	124 56	11.1 281
4B032M160400008	4	16	0.718 18.2	258 383	247 112	12.9 328
4B032M160600008	6	16	0.903 22.9	403 600	371 168	16.3 413
4B032M160800008	8	16	0.978 24.8	499 743	494 224	17.6 447
4B032M161200008	12	16	1.188 30.2	711 1058	742 336	21.4 543
4B032M161600008	16	16	1.326 33.7	896 1333	989 449	23.9 606
4B032M162400008	24	16	1.651 41.9	1310 1949	1483 673	29.7 755
4B031M180100008	1	18	0.339 8.6	56 83	39 18	6.1 155
4B032M180200008	2	18	0.568 14.4	142 211	78 35	10.2 260
4B032M180400008	4	18	0.661 16.8	199 297	156 71	11.9 302
4B032M180600008	6	18	0.791 20.1	286 425	234 106	14.2 362
4B032M180800008	8	18	0.899 22.8	385 572	312 142	16.2 411
4B032M181200008	12	18	1.089 27.7	543 807	468 212	19.6 498
4B032M181600008	16	18	1.213 30.8	676 1006	624 283	21.8 555
4B032M182400008	24	18	1.506 38.2	979 1457	936 425	27.1 688
4B031M200100008	1	20	0.318 8.1	46 69	24 11	5.7 145
4B032M200200008	2	20	0.500 12.7	106 158	48 22	9.0 229
4B032M200200008	2	20	0.500 12.7	106 158	48 22	9.0 229
4B032M200400008	4	20	0.615 15.6	162 242	96 44	11.1 281
4B032M200800008	8	20	0.796 20.2	282 419	192 87	14.3 364
4B032M201200008	12	20	1.009 25.6	431 641	288 131	18.2 461
4B032M201600008	16	20	1.122 28.5	534 795	384 174	20.2 513
4B032M202400008	24	20	1.388 35.3	769 1144	576 261	25.0 635