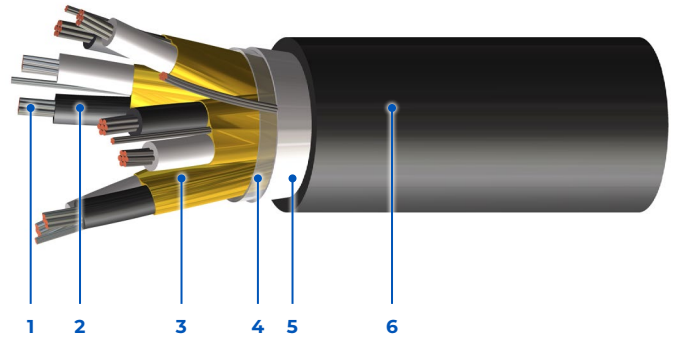


CSA ACIC Unarmoured Tray Instrumentation, 300 V

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. Tray Instrumentation cables can be installed in raceways, 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 – Individual Shield & Overall 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 – PVC Outer Protective Jacket

Product Construction

Insulation:

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

Shielding (foil-free edge):

- ISOS (standard)
- OS (optional)

Jacket:

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

Available in:

- Custom insulation/ jacket colours
- Composite constructions

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
- HL rated for use in hazardous locations:
 - Class 1 Zone 0 (Intrinsically Safe cables only)
 - Class I Zone 2 (Div 2)
 - TC-BCD gas groups rated

Colour Coding

- Pairs – Black, & white, with black printing on white (standard)
- Triads – Black, white & red, with black printing on white (standard)

300 V

Voltage (Optional: 600/1000 V)

CSA Type ACIC

Instrumentation

CSA ACIC Unarmoured 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/kcmil)	(in/mm)	(lbs/1000ft) (kg/km)	(lb/kg)	(in/mm)
4B021M160110008	1	16	0.347 / 8.8	56 / 84	41 / 19	6.2 / 159
4B022M160210008	2	16	0.514 / 13.1	125 / 186	82 / 37	9.3 / 235
4B022M160410008	4	16	0.632 / 16.1	195 / 290	165 / 75	11.4 / 289
4B022M160610008	6	16	0.756 / 19.2	280 / 416	247 / 112	13.6 / 346
4B022M160810008	8	16	0.821 / 20.9	346 / 515	330 / 150	14.8 / 375
4B022M161210008	12	16	1.042 / 26.5	528 / 786	494 / 224	18.7 / 476
4B022M161610008	16	16	1.160 / 29.5	663 / 986	659 / 299	20.9 / 530
4B022M162410008	24	16	1.438 / 36.5	961 / 1431	989 / 449	25.9 / 658
4B022M163610008	36	16	1.657 / 42.1	1357 / 2019	1483 / 673	29.8 / 758
4B022M180210008	2	18	0.475 / 12.1	99 / 147	52 / 24	8.5 / 217
4B022M180410008	4	18	0.584 / 14.8	151 / 225	104 / 47	10.5 / 267
4B022M180610008	6	18	0.696 / 17.7	215 / 319	156 / 71	12.5 / 318
4B022M180810008	8	18	0.754 / 19.2	263 / 392	208 / 94	13.6 / 345
4B022M181210008	12	18	0.957 / 24.3	401 / 597	312 / 142	17.2 / 438
4B022M181610008	16	18	1.064 / 27.0	499 / 742	416 / 189	19.2 / 487
4B022M182410008	24	18	1.315 / 33.4	716 / 1065	624 / 283	23.7 / 601
4B022M183610008	36	18	1.512 / 38.4	997 / 1484	936 / 425	27.2 / 692
4B021M200110008	1	20	0.303 / 7.7	39 / 57	16 / 7	5.5 / 139
4B022M200210008	2	20	0.442 / 11.2	84 / 125	32 / 15	8 / 202
4B022M200410008	4	20	0.514 / 13.1	113 / 169	64 / 29	9.3 / 235
4B022M200610008	6	20	0.646 / 16.4	178 / 264	96 / 44	11.6 / 295
4B022M200810008	8	20	0.699 / 17.8	215 / 320	128 / 58	12.6 / 320
4B022M201210008	12	20	0.887 / 22.5	330 / 491	192 / 87	16 / 406
4B022M201610008	16	20	0.984 / 25.0	405 / 603	256 / 116	17.7 / 450
4B022M202410008	24	20	1.213 / 30.8	579 / 861	384 / 174	21.8 / 554
4B022M203610008	36	20	1.392 / 35.4	798 / 1188	576 / 261	25.1 / 636

CSA ACIC Unarmoured 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/kcmil)	(in/mm)	(lbs/1000ft) (kg/km)	(lb/kg)	(in/mm)
4B031M160110008	1	16	0.365 / 9.3	71 / 106	62 / 28	6.6 / 167
4B032M160210008	2	16	0.615 / 15.6	178 / 265	124 / 56	11.1 / 281
4B032M160410008	4	16	0.718 / 18.2	258 / 383	247 / 112	12.9 / 328
4B032M160610008	6	16	0.903 / 22.9	403 / 600	371 / 168	16.3 / 413
4B032M160810008	8	16	0.978 / 24.8	499 / 743	494 / 224	17.6 / 447
4B032M161210008	12	16	1.188 / 30.2	711 / 1058	742 / 336	21.4 / 543
4B032M161610008	16	16	1.326 / 33.7	896 / 1333	989 / 449	23.9 / 606
4B032M162410008	24	16	1.651 / 41.9	1310 / 1949	1483 / 673	29.7 / 755
4B031M180110008	1	18	0.339 / 8.6	56 / 83	39 / 18	6.1 / 155
4B032M180210008	2	18	0.568 / 14.4	142 / 211	78 / 35	10.2 / 260
4B032M180410008	4	18	0.661 / 16.8	199 / 297	156 / 71	11.9 / 302
4B032M180610008	6	18	0.791 / 20.1	286 / 425	234 / 106	14.2 / 362
4B032M180810008	8	18	0.899 / 22.8	385 / 572	312 / 142	16.2 / 411
4B032M181210008	12	18	1.089 / 27.7	543 / 807	468 / 212	19.6 / 498
4B032M181610008	16	18	1.213 / 30.8	676 / 1006	624 / 283	21.8 / 555
4B032M182410008	24	18	1.506 / 38.2	979 / 1457	936 / 425	27.1 / 688
4B031M200110008	1	20	0.318 / 8.1	46 / 69	24 / 11	5.7 / 145
4B032M200210008	2	20	0.500 / 12.7	106 / 158	48 / 22	9 / 229
4B032M200210008	2	20	0.500 / 12.7	106 / 158	48 / 22	9 / 229
4B032M200410008	4	20	0.615 / 15.6	162 / 242	96 / 44	11.1 / 281
4B032M200810008	8	20	0.796 / 20.2	282 / 419	192 / 87	14.3 / 364
4B032M201210008	12	20	1.009 / 25.6	431 / 641	288 / 131	18.2 / 461
4B032M201610008	16	20	1.122 / 28.5	534 / 795	384 / 174	20.2 / 513
4B032M202410008	24	20	1.388 / 35.3	769 / 1144	576 / 261	25 / 635