

CSA Type CIC TC Tray Fieldbus/Profibus PA, 300/600 V

Fieldbus is the Process Industries digital replacement for analog 4-20mA transmission of process variables. Depending mainly on the current requirement of each device, up to 32 sensors and actuators are possible on a Fieldbus link with a maximum transmission distance of 1900m.

Standards:



Product Construction

Insulation:

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

Jacket:

- FR PVC outer orange jacket (standard for Fieldbus) rated: 90°C to -40°C
- FR PVC outer purple jacket (standard for Profibus) rated: 90°C to -40°C
- Black with integral orange stripe (optional)
- Blue for Intrinsically Safe applications

Shielding (foil-free edge):

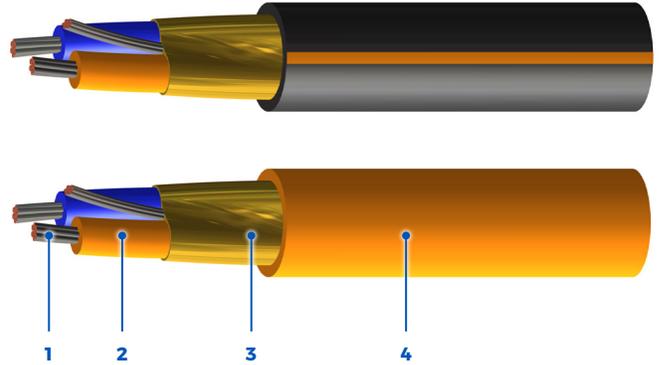
- ISOS (standard)
- OS (optional)

Available in:

- Custom insulation/jacket colours
- LSZH jacket

Certification/Compliances

- Foundation Fieldbus Spec. FF-844, Type "A".H1
- 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:



- 1 - Stranded Tin-coated Copper Pairs
- 2 - XLPE (RW90 Rated) Insulated Pairs (standard)
- 3 - Individual Aluminum/Mylar Shield with Drain Wire Over Each Pair
- 4 - FR PVC Outer Protective Jacket

- 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

- Blue and orange conductors (standard)

**300 /
600 V**

Voltage

**CSA
Type
CIC TC**

Fieldbus/Profibus PA

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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
4F021M160115000	1	16	0.367 9.4	63 93	41 19	6.6 168
4F022M160215000	2	16	0.577 14.7	151 225	82 37	10.4 264
4F022M160415000	4	16	0.672 17.1	216 321	165 75	12.1 307
4F022M160615000	6	16	0.807 20.5	311 463	247 112	14.5 369
4F022M161215000	12	16	1.112 28.2	591 880	494 224	20.0 508
4F022M162415000	24	16	1.541 39.1	1076 1602	989 449	27.7 705
4F021M180115000	1	18	0.323 8.2	47 69	26 12	5.8 148
4F022M180215000	2	18	0.475 12.1	100 150	52 24	8.5 217
4F022M180415000	4	18	0.584 14.8	157 233	104 47	10.5 267
4F022M180615000	6	18	0.696 17.7	222 330	156 71	12.5 318
4F022M181215000	12	18	0.957 24.3	415 618	312 142	17.2 438
4F022M182415000	24	18	1.315 33.4	746 1110	624 283	23.7 601
4F021M16011V000	1	16	0.367 9.3	63 93	41 19	6.6 168
4F022M16021V000	2	16	0.577 14.7	151 225	82 37	10.4 264
4F022M16041V000	4	16	0.672 17.1	216 321	165 75	12.1 307
4F022M16061V000	6	16	0.807 20.5	311 463	247 112	14.5 369
4F022M16121V000	12	16	1.112 28.2	591 880	494 224	20.0 508
4F022M16241V000	24	16	1.541 39.1	1076 1602	989 449	27.7 705
4F021M18011V000	1	18	0.323 8.2	47 69	26 12	5.8 148
4F022M18021V000	2	18	0.475 12.1	100 150	52 24	8.5 217
4F022M18041V000	4	18	0.584 14.8	157 233	104 47	10.5 267
4F022M18061V000	6	18	0.696 17.7	222 330	156 71	12.5 318
4F022M18121V000	12	18	0.957 24.3	415 618	312 142	17.2 438
4F022M18241V000	24	18	1.315 33.4	746 1110	624 283	23.7 601