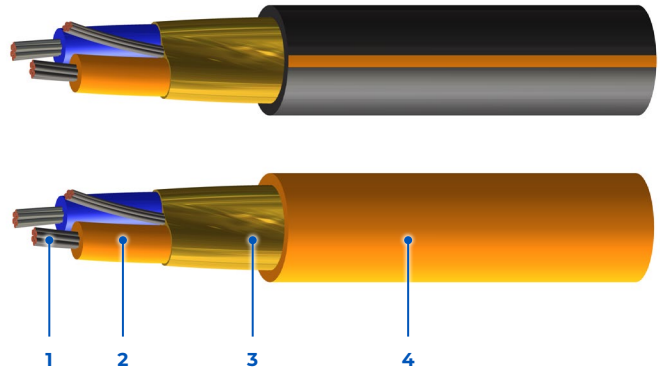


CSA Unarmoured Tray Fieldbus/Profibus PA, 300/600 V

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:



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

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

Certification/Compliances

- Foundation Fieldbus Spec. FF-844, Type "A", H1
- CSA C22.2 NO. 230, Tray Cables (TC)
- CSA C22.2 NO. 239, Control & Instrumentation Cables (Type ACIC)
- 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 I Zone 0 (Intrinsically Safe cables only)
- Class I Zone 1 (Div 1)
- Class I Zone 2 (Div 2)
- TC-BCD gas groups rated

Colour Coding

- Blue and orange conductors (standard)

300/ 600 V

Voltage

CSA Type TC

Fieldbus/Profibus PA

CSA Unarmoured Tray Fieldbus/Profibus PA, 300/600 V

PART NUMBER	NUMBER OF PAIRS	CONDUCTOR SIZE <i>(AWG/kcmil)</i>	NORMAL DIAMETERS OVERALL CABLE <i>(in/mm)</i>	CABLE WEIGHT <i>(lbs/1000ft) (kg/km)</i>	MAX PULLING TENSION (PULLING EYE) <i>(lb/kg)</i>	MIN BEND RADIUS (PULL) <i>(in/mm)</i>
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 / 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 / 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