

**BUS-DOR 1X2X7/0.2 SFTP – L2/FIP ProfiBus Cable
PVC jacket**

Teldor P/N 9PF3401XXX



GENERAL CONSTRUCTION:

Industrial communication cable designed for ProfiBus L2-DP field net applications. The cable contains one twisted pair and two fillers, shielded with aluminum-foil and tinned copper braid, and jacketed with FR-PVC compound for wide operating temperature range.

DETAILED DESCRIPTION

1. Conductor:

- 1.1. Material: Stranded bare copper, 7/0.2.
- 1.2. Insulation: cellular PO.
- 1.3. O.D.: 2.35 mm. nom.

2. Pair Lay-Up:

- 2.1. Color: red x green
- 2.2. Total number of pairs: 1.

3. Shields:

- 3.1. Aluminum-foil and Braiding of tinned copper wires, 75% nominal coverage.

4. Outer Jacket:

- 4.1. Material: FR PVC compound.
- 4.2. Color: per request.
- 4.3. Thickness: 1.3 mm nom.
- 4.4. O.D.: 7.8 mm nom.
- 4.5. Marking: Per request, otherwise TELDOR standard marking.

5. Electrical Properties:

- 5.1. DC Resistance: 93.0 Ω /Km max. @ 20°C.
- 5.2. Capacitance: 28.0 pF/m @ 31.25 KHz nom. @ 20°C.
- 5.4. Impedance: 150 +/- 15 Ω . @ 3-20 MHz
185 +/- 18.5 Ω nom @ 38.4 KHz.
- 5.5. Attenuation: Max 0.5 dB/100m @ 39 KHz
2.5 dB/100m @ 4 MHz.
- 5.6. Operating voltage: 250 Vrms.
- 5.7. Test voltage: 1500 Vrms/min.

6. General Properties:

- 6.1. Overall diameter: 7.8 mm. nom.

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- 6.2. Total Weight: 67 Kg/Km nom.
6.3. Bend Radius: 150 mm min.
6.5. Temperature Range: -30°C to +70°C.
6.6. Flame-retardant: in accordance to IEC 60332-1
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Prepared By: Prepared By: JACOB BEN-ARY Revised By: Revised By: JACOB BEN-ARY Revision No: Revision No: 1 Date: Date: 06-November-2003

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