

## ProfiBus DP/PA 1x2x22/1 AWG SF/UTP FR-PVC

**Part Number:** 9PS3201108

**Applications:** Profibus PA industrial communication, Profibus LAN, Industrial communication, Field bus on the process level

**General Construction:** The cable contains one twisted pair and two fillers, overall shielded with aluminum foil and tinned-copper braid and an overall jacketed. The cable structure comply with L2-DP and PA Profibus applications

**Outer Jacket Material:** FR-PVC

**Outer Diameter:** 7.8 mm nom.

**Weight:** 66 kg/km



### Design & Materials

<b>Conductor Material:</b>	Annealed Bare Copper
<b>Conductor Size:</b>	22 AWG
<b>Conductor Size:</b>	0.64 mm
<b>Conductor Construction:</b>	Solid
<b>Insulation Material:</b>	PO
<b>Insulation O.D.:</b>	2.55 mm nom.
<b>Insulation O.D.:</b>	0.1 in.
<b>Conductor Color Code:</b>	Red x Green
<b>Overall Shield Design:</b>	100% Coverage
<b>Overall Shield Material:</b>	Aluminum/Polyester Foil
<b>Overall Braid Shield:</b>	Yes
<b>Overall Braid Material:</b>	Annealed Tinned Copper
<b>Braid Coverage:</b>	65 % nom.
<b>Total number of conductors:</b>	2
<b>Outer Jacket Thickness:</b>	1.0 mm nom.
<b>Outer Jacket Color:</b>	Purple
<b>Weight:</b>	44 lb/1000'
<b>Marking:</b>	Per request

### Standards

<b>Applicable Standards:</b>	RoHS-2 2011/65/EU
<b>Flammability Rating:</b>	IEC 60332-1, IEC 60332-3 , UL 1581 VW-1, UL CMX, CSA C22.2 FT-1

### Electrical Properties:

(\*) Cable voltage rate is 300/600 V, however the cable is intended to be used for mains power supply applications or alike.

## Performance

<b>Impedance:</b>	150 $\Omega$
<b>Max. DC Resistance :</b>	55.0 $\Omega$ /km@20°C
<b>Attenuation:</b>	42 dB/Km max. @ 16.0 MHz
<b>Capacitance:</b>	28.0 pF/m
<b>Voltage Rating:</b>	300/600 (*) V
<b>Min. Bend Radius:</b>	80 mm
<b>Max. Operating Temperature:</b>	+70 °C
<b>Min. Operating Temperature:</b>	-40 °C
<b>UV Resistance:</b>	Yes

Prepared By	Revised By	Version Num	Modified on
Jacob Ben Ary	Jacob Ben Ary	1.13	09-08-2015

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**Teldor Cables & Systems Ltd.** - Ein-Dor, 1933500

ISRAEL

Tel: +972 4 6770555

Fax: +972 4 6770650