

ProfiBus DA/PA 1X2X22/1 AWG SF/UTP FR-LSZH

Part Number: 9PS3202108

Applications: ISA/SP-50 Fieldbus* Type A, Profibus PA industrial communication, Profibus LAN, Industrial communication, Field bus on the process level, High Noise Environments

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

Outer Jacket Material: FR-LSZH
Outer Diameter: 7.5 mm nom.
Weight: 67 kg/km



Design & Materials

Conductor Material:	Annealed Bare Copper
Conductor Size:	22 AWG
Conductor Size:	0.64 mm
Conductor Construction:	Solid
Insulation Material:	PO
Insulation O.D.:	2.55 mm nom.
Insulation O.D.:	0.1 in.
Overall Shield Design:	100% Coverage
Overall Shield Material:	Aluminum/Polyester Foil
Overall Foil Shield:	Yes
Overall Braid Shield:	Yes
Overall Braid Material:	Annealed Tinned Copper
Braid Coverage:	75 % nom.
Total number of conductors:	2
Outer Diameter:	0.295 in.
Outer Jacket Thickness:	0.8 mm nom.
Outer Jacket Thickness:	0.031 in
Outer Jacket Color:	Purple
Weight:	45 lb/1000'
Marking:	Per request

Standards

Flammability Rating:	IEC 60332-1, IEC 60332-3 , IEC 60754-1/2, IEC 61034-1/2
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Electrical Properties:
Suitable for DP and PA applications.

Performance

Frequency Range:	1 - 20 MHz
Impedance:	150 Ω
Max. DC Resistance :	55.0 Ω /km@20°C
Attenuation:	42 dB/Km max. @ 16.0 MHz
Capacitance:	28.0 pF/m
Voltage Rating:	250 V
Min. Bend Radius:	90 mm
Max. Operating Temperature:	+70 °C
Min. Operating Temperature:	-40 °C

Prepared By	Revised By	Version Num	Modified on
Jacob Ben Ary	Ofer Solter	2.4	28-10-2014

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