

ProfiBus DP/PA 1x2x22/1 AWG SF/UTP PE INDUSTRIAL ETHERNET & BUS P/N 9PS3203108

INDUSTRY

Applications

High Noise Environments, Industrial communication, ProfiBus LAN, ISA/SP-50 Fieldbus* Type A, Profibus PA industrial communication, Indoor/outdoor installation, Profibus DP industrial communication



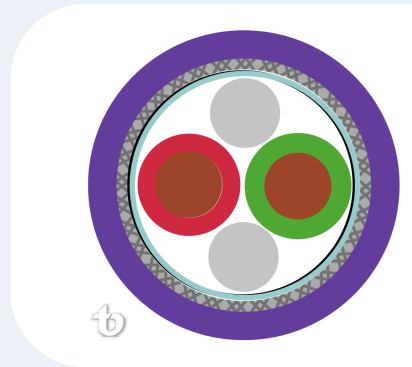
Outer Jacket Material
PE



Outer diameter
7.9 mm nom.



Weight
65 kg/km



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

Design & Materials

Conductor Material	Annealed Bare Copper
Conductor Size (AWG)	22
Conductor Size (mm)	0.64
Conductor Construction	Solid
Insulation Material	PO
Insulation O.D. (mm nom)	2.55
Overall Shield Design	100% Coverage
Overall Shield Material	Aluminum/Polyester Foil
Overall Braid Shield	Yes
Overall Braid Material	Annealed Tinned Copper
Braid Coverage (% nom)	75
Total Number Of Conductors	2
Outer Jacket Thickness (mm nom)	1.0
Outer Jacket Color	Purple
Weight (lb/1000')	44
Marking	Per request

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Performance

Frequency Range (MHz)	1 - 20
Impedance (Ω)	150
Max. DC Resistance (Ω /km@20°C)	55.0
Attenuation	25 dB/Km max. @ 4.0 MHz 42 dB/Km max. @ 16.0 MHz
Capacitance (pF/m)	28.0
Voltage Rating (V)	300
Min. Bend Radius (mm)	90
Min. Operating Temperature (°C)	-40
Max. Operating Temperature (°C)	+70
UV Resistance	Yes

Standards

Applicable Standards
IEC 61158-2
RoHS 3 2015/863/EU



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