

Profibus cable

Prozessautomation (PA)



Application: Profibus is an international fieldbus standard for universal application in production and process control.

Construction and technical data:

Standard:	UL/CSA AWM 2571
Conductor material:	copper, bare
Conductor construction:	strand, 7-wired construction
Insulation:	polyethylene
Core wrapping:	PET-foil
Screen:	aluminium foil + tinned copper braid
Screen coverage:	85 %
Sheathing material:	special PVC-compound
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant:	yes
Permitted outer cable temperature, fixed, °C:	-40 - +80 °C
Permitted outer cable temperature, moved, °C:	-5 - +80 °C
Bending radius, fixed installation:	5 x Ø
Impedance:	100 Ohm
Insulation resistance:	5000 MOhm x km



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

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Loop resistance:	44 Ohm/km
Core identification:	red, green

part no.	part name	DI [mm]	Ø [mm]	Ev [kWh/m]	Cu	G [kg]
101057	Profibus PA UL/CSA FR 01X2XAWG 18/7 BK impedance 100 +- 20 ohm	1.2	7.9	0.247	45	73
101056	Profibus PA UL/CSA FR 01X2XAWG 18/7 BU impedance 100 +- 20 ohm	1.2	7.9	0.247	45	73

DI	diameter conductor
Ø	outer diameter approx.
Ev	Combustion heat (fire load)
Cu	Copper weight (GER)
G	net weight per 1000