

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 \times 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.

Profibus-PA

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