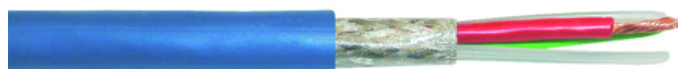


# Profibus cable Prozessautomation (PA) acc. to UL/CSA AWM 2571



<b>Conductor material:</b>	copper, bare
<b>Conductor class:</b>	strand, 7-wired construction
<b>Insulation:</b>	polyethylene
<b>Core wrapping:</b>	PET-foil
<b>Screen:</b>	aluminium foil + copper braid, tinned
<b>Screen coverage:</b>	85 %
<b>Sheathing material:</b>	special PVC-compound
<b>Flame-retardant:</b>	VDE 0482-332-1-2/IEC 60332-1-2
<b>Oil-resistant:</b>	yes
<b>Permitted outer cable temperature, fixed:</b>	-40 - +80 °C
<b>Permitted outer cable temperature, in motion/ during installation:</b>	-5 - +80 °C
<b>Bending radius, fixed installation:</b>	5 x DA
<b>Impedance:</b>	100 Ohm
<b>Insulation resistance:</b>	5000 MOhm $\times$ km
<b>Loop resistance:</b>	44 Ohm/km
<b>Core identification:</b>	red, green

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



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.

Table: Technical characteristics Profibus-PA

p/n	part name	D <sub>I</sub> [mm]	D <sub>A</sub> [mm]	E <sub>v</sub> [kWh/m]	Cu [kg/km]	G [kg/km]
101057	Profibus PA UL/CSA FR 01X2XAWG 18/7 SW Wellenwiderstand 100 +- 20 Ohm	1,2	7,9	0,247	45	73
101056	Profibus PA UL/CSA FR 01X2XAWG 18/7 BL Wellenwiderstand 100 +- 20 Ohm	1,2	7,9	0,247	45	73

DI	Conductor diameter
DA	Outer diameter approx.
Ev	Combustion heat (fire load)
Cu	Copper weight (GER)
G	weight