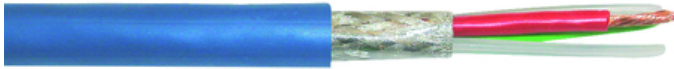
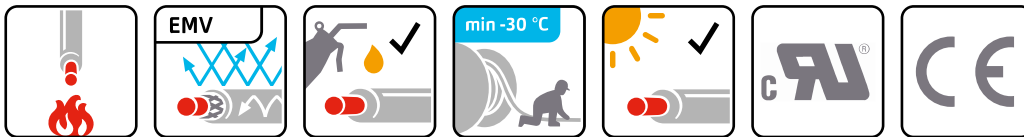


# Profi-bus cable Prozessautomation (PA) acc. to UL/CSA AWM 2571



<b>conductor material:</b>	bare copper
<b>conductor construction:</b>	Strand, 7-wired construction
<b>insulation:</b>	polyethylene
<b>covering of strand:</b>	PET-foil
<b>screen:</b>	aluminium-foil + copper-braiding, 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>max. operating temperature,</b>	-40 - +80 °C
<b>fixed:</b>	
<b>temperature, moved/during</b>	-5 - +80 °C
<b>installation:</b>	
<b>bending radius, fixed</b>	5 x DA
<b>installation:</b>	
<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	diameter of conductor
DA	outer diameter
Ev	combustion energy
Cu	copper weight (ger)
G	weight