



**S PB 634** PUR Profibus-DP cable for cable tracks

**PB 633** Halogen-free, flexible PE Profibus-DP cable

**PB 632** Flexible PVC Profibus-DP cable

BRÖCKSKES · D-VIERSEN · PB 632 2 x 0,34 mm<sup>2</sup> CE



Marking for PB 632 06322341:

SAB BRÖCKSKES · D-VIERSEN · PB 632 2 x 0,34 mm<sup>2</sup> CE

Profibus-DP: This Profibus variation, optimizing velocity and low installation costs, is especially developed for the communication between automation systems and decentralized peripheral equipment in the field area. Profibus-DP cable substitutes for conventional parallel transmission of signals with 24 V or 0-20 mA. The job profile for Profibus-DP type A according to EN 50170 is kept.

item no.	type	no. of conductors	AWG	nominal outer- $\phi$ inch	mm	cable weight $\approx$ lbs/ft
▶ 06342341	S PB 634	2	22 ( $\approx$ 7/30)	0.299	7.6	39
▶ 06344341	S PB 634	2 + 3	22 ( $\approx$ 7/30) + 18 ( $\approx$ 56/34)	0.402	10.2	73
▶ 06332341	PB 633	2	22 ( $\approx$ 7/30)	0.295	7.5	34
▶ 06334341	PB 633	2 + 3	22 ( $\approx$ 7/30) + 18 ( $\approx$ 30/32)	0.398	10.1	68
▶ 06322341	PB 632	2	22 ( $\approx$ 7/30)	0.295	7.5	38
▶ 06324341	PB 632	2 + 3	22 ( $\approx$ 7/30) + 18 ( $\approx$ 30/32)	0.398	10.1	82

Other dimensions and colors are possible on request.

## General construction:

<b>Color code:</b>	red, green (AWG 22); brown, light blue and green-yellow earth wire (AWG 18)
<b>Screen of pairs:</b>	tinned copper braiding
<b>Jacket of pairs:</b>	TPE
<b>Stranding:</b>	in layers

## Technical data:

<b>Peak operating voltage:</b>	max. 350 V
<b>Testing voltage:</b>	1500 V
<b>Min. bending radius:</b>	12 x O.D.
<b>Characteristic impedance 3 - 20 MHz:</b>	150 $\Omega$ $\pm$ 10% (AWG 22)
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/28

	S PB 634	PB 633	PB 632
<b>▶ Conductor:</b>	0,34 mm <sup>2</sup> : bare copper strands acc. to DIN VDE 0812 1,00 mm <sup>2</sup> : bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6	0,34 mm <sup>2</sup> : bare copper strands acc. to DIN VDE 0812 1,00 mm <sup>2</sup> : bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5	0,34 mm <sup>2</sup> : bare copper strands acc. to DIN VDE 0812 1,00 mm <sup>2</sup> : bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
<b>▶ Wrapping of pairs:</b>	non-woven tape/ alu foil, non-woven tape	alu foil, PETP foil	alu foil, PETP foil
<b>▶ Insulation:</b>	0,34 mm <sup>2</sup> : DIN VDE 0819 part 103 (02Y11) 1,00 mm <sup>2</sup> : TPE	0,34 mm <sup>2</sup> : DIN VDE 0819 part 103 (02Y11) 1,00 mm <sup>2</sup> : PE, 2Y11 acc. to DIN VDE 0207 part 2	0,34 mm <sup>2</sup> : DIN VDE 0819 part 103 (02Y11) 1,00 mm <sup>2</sup> : PVC, T12 acc. to DIN VDE 0281 part 1
<b>▶ Outer jacket (purple):</b>	PUR, TMPU acc. to DIN VDE 0282 part 10 with rough surface	PE, 2YM1 acc. to DIN VDE 0207 part 3	PVC, YM1 acc. to DIN VDE 0207 part 5
<b>▶ Temperature range</b> <i>static:</i> <i>flexing:</i>	-40/+80°C -40/+80°C	-40/+70°C -40/+70°C	-5/+70°C -30/+70°C
<b>▶ Burning characteristics:</b> flame retardant and self-extinguishing acc. to IEC 60332-1-2 and EN 60332-1-2	-	-	X
<b>▶ Corrosivity:</b> in compliance with IEC 60754-2 and EN 50267-2-2 + VDE 0482 part 267-2-2 - no development of corrosive conflagration gases	X	X	-
<b>▶ Oil resistance:</b>	very good - TMPU acc. to DIN VDE 0282 part 10	-	acc. to internal standard see page N/27
<b>▶ For fixed installation:</b>	X	X	X
<b>▶ For flexible application:</b>	X	X	X
<b>▶ Suitable for cable tracks:</b>	X	-	-
<b>▶ Weather resistance:</b>	very good	good	medium

Profibus-DP and Profibus-FMS apply the same transmission technology and a uniform bus access log. Therefore, both types can be used simultaneously on one cable.