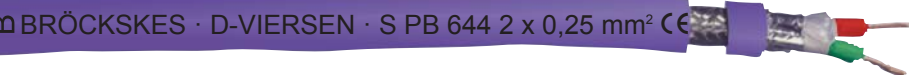




## PB 642 PVC Profibus-cable

## S PB 644 PUR Profibus-cable for cable tracks



Marking for S PB 644 06442251:

SAB BRÖCKSKES · D-VIERSEN · S PB 644 2 x 0,25 mm² 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- $\emptyset$ inch	mm	cable weight $\approx$ lbs/mt
▶ 06422221	PB 642 (purple)	2	24 ( $\approx$ 7/32)	0.173	4.4	17
▶ 06424221	PB 642 (purple)	2 x 2	24 ( $\approx$ 7/32)	0.244	6.2	30
▶ 06422251	PB 642 (purple)	2	24 ( $\approx$ 14/34)	0.193	4.9	20
▶ 06424251	PB 642 (purple)	2	24 ( $\approx$ 14/34)	0.264	6.7	35
▶ 06422767	PB 642 (blue)	2	18 ( $\approx$ 26/32)	0.287	7.3	46
▶ 06422768	PB 642 (black)	2	18 ( $\approx$ 26/32)	0.287	7.3	46
▶ 06442251	S PB 644 (purple)	2	24 ( $\approx$ 32/38)	0.205	5.2	22
▶ 06444251	S PB 644 (purple)	2 x 2	24 ( $\approx$ 32/38)	0.268	6.8	38

Other dimensions and colors are possible on request.

### General construction:

<b>Insulation:</b>	PE, 2Y11 acc. to DIN VDE 0207 part 2
<b>Color code:</b>	red, green (PA) DIN 47100 (type B)
<b>Stranding:</b>	in layers
<b>Wrapping:</b>	PETP foil
<b>Screen:</b>	tinned copper braiding

### Technical data:

<b>Peak operating voltage:</b>	max. 350 V
<b>Testing voltage:</b>	1500 V
<b>Min. bending radius:</b>	7.5 x O.D. 12 x O.D. continuous flexing (S PB 644)
<b>Characteristic impedance:</b>	<b>type B:</b> at > 100 kHz 100 $\Omega$ - 130 $\Omega$ <b>PA:</b> at 31.25 kHz 100 $\Omega$ $\pm$ 20%
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/28

	PB 642	S PB 644
▶ <b>Conductor:</b>	bare copper strands acc to. DIN VDE 0812	bare copper strands, extra fine wires
▶ <b>Outer jacket:</b>	PVC, TM1 acc. to DIN VDE 0281 part 1	PUR, TMPU acc. to DIN VDE 0282 part 10 with rough surface
▶ <b>Temperature range</b> <i>static:</i> <i>flexing:</i>	-30/+70°C -5/+70°C	-40/+70°C -40/+70°C
▶ <b>Oil resistance:</b>	acc. to internal standard see page N/27	very good TMPU acc. to DIN VDE 0282 part 10
▶ <b>For fixed installation:</b>	X	X
▶ <b>For flexible application:</b>	X	X
▶ <b>Suitable for cable tracks:</b>	-	X
▶ <b>Weather resistance:</b>	medium	very good