

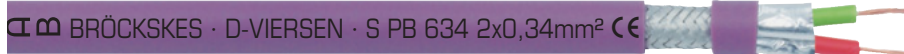
# Profibus-DP Cables acc. to IEC 61158-2



**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



Marking for S PB 634 06342341:

SAB BRÜCKSKES · D-VIERSEN · S PB 634 2x0,34mm² CE

<b>Construction:</b>	S PB 634	PB 633	PB 632
<b>Dimension:</b>	2 x 0,34 mm <sup>2</sup> , 2 x 0,34 mm <sup>2</sup> + 3 x 1,00 mm <sup>2</sup>		
<b>Conductor:</b>	0,34 mm <sup>2</sup> : bare copper strands acc. to VDE 0812 1,00 mm <sup>2</sup> : bare copper strands acc. to IEC 60228, VDE 0295, class 6	0,34 mm <sup>2</sup> : bare copper strands acc. to VDE 0812 1,00 mm <sup>2</sup> : bare copper strands acc. to IEC 60228, VDE 0295, class 5	
<b>Pairwise wrapping:</b>	non-woven tape/alu foil	alu foil	
<b>Pairwise sheathing:</b>	TPE	---	
<b>Insulation:</b>	0,34 mm <sup>2</sup> : EN 50290-2-23 + VDE 0819-103 (02Y11) 1,00 mm <sup>2</sup> : TPE	0,34 mm <sup>2</sup> : EN 50290-2-23 + VDE 0819-103 (02Y11) 1,00 mm <sup>2</sup> : PE 2Y11 acc. to EN 50290-2-23	0,34 mm <sup>2</sup> : EN 50290-2-23 + VDE 0819-103 (02Y11) 1,00 mm <sup>2</sup> : PVC T12 acc. to EN 50363-3
<b>Colour code:</b>	red, green (0,34 mm <sup>2</sup> ), brown, light blue and green-yellow earth wire (1,0 mm <sup>2</sup> )		
<b>Pairwise screening:</b>	tinned copper braiding		
<b>Stranding:</b>	in layers		
<b>Sheath material:</b>	PUR, TPU acc. to EN 50363-10-2 with rough surface	PE, 2YM1 acc. to EN 50290-2-24	PVC, TM2 acc. to EN 50363-4-1
<b>Sheath colour:</b>	redlilac (RAL 4001)		

<b>Technical data:</b>	S PB 634	PB 633	PB 632
<b>Item number:</b>	0634-2341, 0634-4341	0633-2341, 0633-4341	0632-2341, 0632-4341
<b>Peak operating voltage:</b>	max. 350 V		
<b>Testing voltage</b> core/core: core/screen:	1500 V 1500 V		
<b>Min. bending radius:</b>	12 x d		
<b>Temperature range</b> fixed laying: flexible application:	-40/+80 °C -40/+80 °C	-40/+70 °C -40/+70 °C	-30/+70 °C -5/+70 °C
<b>Fire performance:</b>	---		flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
<b>Corrosiveness of conflagration gases:</b>	---	in compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases	---
<b>Oil resistance:</b>	very good acc. to EN 50363-10-2 + VDE 0207-363-10-2	---	acc. to internal standard, see chapter N „Technical data“
<b>For fixed installation:</b>	suitable		
<b>For flexible application:</b>	suitable		
<b>Application in cable tracks:</b>	recommended	not recommended	
<b>Weather resistance:</b>	very good	good	medium
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union, see chapter N „Technical data“		

item no.	type	dimension	outer-ø ± 5%	copper figure kg/km	cable weight ≈kg/km
06342341	S PB 634	2 x 0,34 mm <sup>2</sup>	7,6	30,9	58
06344341	S PB 634	2 x 0,34 mm <sup>2</sup> + 3 x 1,00 mm <sup>2</sup>	10,2	58,8	108
06332341	PB 633	2 x 0,34 mm <sup>2</sup>	7,5	25,8	50
06334341	PB 633	2 x 0,34 mm <sup>2</sup> + 3 x 1,00 mm <sup>2</sup>	10,1	58,8	101
06322341	PB 632	2 x 0,34 mm <sup>2</sup>	7,5	25,8	56
06324341	PB 632	2 x 0,34 mm <sup>2</sup> + 3 x 1,00 mm <sup>2</sup>	10,1	58,8	122

Other dimensions and colours are possible on request.

**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.