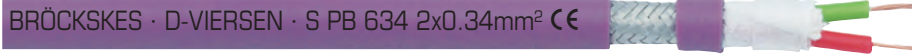


# Profibus-DP Cables acc. to IEC 61158-2



- PB 637**    PVC Profibus-DP cable for fixed installations
- S PB 634**    Continuous flex PUR Profibus-DP cable for cable tracks
- PB 632**    PVC Profibus-DP Cable for flexible applications



Marking for S PB 634 6342341:

SAB BRÖCKSKES · D-VIERSEN · S PB 634 2x0.34mm<sup>2</sup> CE



<b>Construction:</b>	<b>PB 637</b> <i>for fixed installations</i>	<b>S PB 634</b> <i>continuous flex for cable tracks</i>	<b>PB 632</b> <i>for flexible applications</i>
<b>Item numbers:</b>	6372331	6342341 / 6344341	6322341 / 6324341
<b>Dimensions:</b>	2 x AWG 22	2 x .034 mm <sup>2</sup> / 2 x 0.34 mm <sup>2</sup> + 3 x 1.00 mm <sup>2</sup>	2 x .034 mm <sup>2</sup> / 2 x 0.34 mm <sup>2</sup> + 3 x 1.00 mm <sup>2</sup>
<b>Conductor:</b>	bare copper wire AWG 22, single wire	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/aluminum foil	aluminum foil
<b>Pairwise jacketing:</b>	—	TPE	—
<b>Insulation:</b>	acc. to EN 50290-2-23 + VDE 0819-103 (02Y11)	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> : PVC TI2 acc. to EN 50363-3
<b>Color code:</b>	red, green	red, green (0.34 mm <sup>2</sup> ), brown, light blue and green/yellow ground (1.0 mm <sup>2</sup> )	—
<b>Stranding:</b>	in layers	in layers	in layers
<b>Shielding:</b>	aluminum foil + tinned copper braiding	pairwise: tinned copper braiding	pairwise: tinned copper braiding
<b>Jacket material:</b>	PVC, TM5 acc. to EN 50363-4-1	PUR, TPU acc. to EN 50363-10-2 with rough surface	PVC, TM2 acc. to EN 50363-4-1
<b>Jacket color:</b>	red lilac (RAL 4001)	red lilac (RAL 4001)	red lilac (RAL 4001)

<b>Technical data:</b>	<b>PB 637</b> <i>for fixed installations</i>	<b>S PB 634</b> <i>continuous flex for cable tracks</i>	<b>PB 632</b> <i>for flexible applications</i>
<b>Peak operating voltage:</b>	max. 350 V	max. 350 V	max. 350 V
<b>Voltage UL:</b>	30 V	—	—
<b>Testing voltage:</b> conductor/conductor: conductor/shielding:	1500 V 1500 V	1500 V 1500 V	1500 V 1500 V
<b>Min. bending radius:</b>	12 x O.D.	12 x O.D.	12 x O.D.
<b>Temperature range:</b> static: flexible:	UL: up to 60°C -30/+70°C -5/+70°C	-40/+80°C -40/+80°C	-30/+70°C -5/+70°C
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2	—	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
<b>Oil resistance:</b>	very good acc. to VDE 0207-5	very good acc. to EN 50363-10-2 + VDE 0207-363-10-2	acc. to internal standard see page O/29
<b>Characteristic impedance 3 - 20 MHz:</b>	150 Ω ± 10%	—	—
<b>For fixed installation:</b>	suitable	suitable	suitable
<b>For flexible application:</b>	not suitable	suitable	suitable
<b>Application in cable tracks:</b>	not recommended	recommended	not recommended
<b>Weather resistance:</b>	very good	very good	medium
<b>UL Style:</b>	2560	—	—
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union, see page O/30		

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item no.	type	no. of conductors	dimensions AWG	outer-ø		cable weight ≈ lbs/mft
				±10% inch	±10% mm	
▶ 6372331	PB 637	2	22	0.295	7.5	38
▶ 6342341	S PB 634	2	22 (≈ 7/30)	0.299	7.6	39
▶ 6344341	S PB 634	2 + 3	22 (≈ 7/30) + 18 (≈ 56/34)	0.417	10.6	73
▶ 6322341	PB 632	2	22 (≈ 7/30)	0.295	7.5	38
▶ 6324341	PB 632	2+3	22 (≈ 7/30) + 18 (≈ 30/32)	0.398	10.1	82

Other dimensions and colors are available 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.

