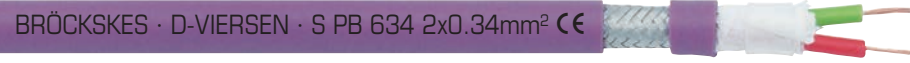


Profibus-DP Cables acc. to IEC 61158-2



- 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 2x0.34mm² CE



Construction:	PB 637 <i>for fixed installations</i>	S PB 634 <i>continuous flex for cable tracks</i>	PB 632 <i>for flexible applications</i>
Item numbers:	6372331	6342341 / 6344341	6322341 / 6324341
Dimensions:	2 x AWG 22	2 x .034 mm ² / 2 x 0.34 mm ² + 3 x 1.00 mm ²	2 x .034 mm ² / 2 x 0.34 mm ² + 3 x 1.00 mm ²
Conductor:	bare copper wire AWG 22, single wire	0.34 mm ² : bare copper strands acc. to VDE 0812 1.00 mm ² : bare copper strands acc. to IEC 60228, VDE 0295, class 6	0.34 mm ² : bare copper strands acc. to VDE 0812 1.00 mm ² : bare copper strands acc. to IEC 60228, VDE 0295, class 5
Pairwise wrapping:	—	non-woven tape/aluminum foil	aluminum foil
Pairwise jacketing:	—	TPE	—
Insulation:	acc. to EN 50290-2-23 + VDE 0819-103 (02Y11)	0.34 mm ² : EN 50290-2-23 + VDE 0819-103 (02Y11) 1.00 mm ² : TPE	0.34 mm ² : EN 50290-2-23 + VDE 0819-103 (02Y11) 1.00 mm ² : PVC TI2 acc. to EN 50363-3
Color code:	red, green	red, green (0.34 mm ²), brown, light blue and green/yellow ground (1.0 mm ²)	
Stranding:	in layers	in layers	in layers
Shielding:	aluminum foil + tinned copper braiding	pairwise: tinned copper braiding	pairwise: tinned copper braiding
Jacket material:	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
Jacket color:	red lilac (RAL 4001)	red lilac (RAL 4001)	red lilac (RAL 4001)

Technical data:	PB 637 <i>for fixed installations</i>	S PB 634 <i>continuous flex for cable tracks</i>	PB 632 <i>for flexible applications</i>
Peak operating voltage:	max. 350 V	max. 350 V	max. 350 V
Voltage UL:	30 V	—	—
Testing voltage: conductor/conductor: conductor/shielding:	1500 V 1500 V	1500 V 1500 V	1500 V 1500 V
Min. bending radius:	12 x O.D.	12 x O.D.	12 x O.D.
Temperature range: 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
Burning characteristics:	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
Oil resistance:	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
Characteristic impedance 3 - 20 MHz:	150 Ω ± 10%	—	—
For fixed installation:	suitable	suitable	suitable
For flexible application:	not suitable	suitable	suitable
Application in cable tracks:	not recommended	recommended	not recommended
Weather resistance:	very good	very good	medium
UL Style:	2560	—	—
Absence of harmful substances:	acc. to RoHS directive of the European Union, see page O/30		

item no.	type	no. of conductors	dimensions AWG	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 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)	0.402	10.2	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.

