

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

Construction:	S PB 634	PB 633	PB 632
Dimensions:	2 x 0,34 mm ² , 2 x 0,34 mm ² + 3 x 1,00 mm ²		
Conductor:	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/alu foil	alu foil	
Pairwise sheathing:	TPE	---	
Insulation:	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 : PE 2Y11 acc. to EN 50290-2-23	0,34 mm ² : EN 50290-2-23 + VDE 0819-103 (02Y11) 1,00 mm ² : PVC T12 acc. to EN 50363-3
Colour code:	red, green (0,34 mm ²), brown, light blue and green-yellow earth wire (1,0 mm ²)		
Pairwise screening:	tinned copper braiding		
Stranding:	in layers		
Sheath material:	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
Sheath colour:	redlilac (RAL 4001)		

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

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