

PROFIBUS-DP CABLES ACC. TO EN 50170

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 PB 632 06322341:
SAB BRÖCKSKES · D-VIERSEN · PB 632 2 x 0,34 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- ϕ inch	mm	weight \approx lbs/mft
▶ 06342341	S PB 634	2	22 (7/30)	0.299	7.6	39
▶ 06344341	S PB 634	2 + 3	22 + 18	0.402	10.2	73
▶ 06332341	PB 633	2	22 (7/30)	0.295	7.5	34
▶ 06334341	PB 633	2 + 3	22 + 18	0.398	10.1	68
▶ 06322341	PB 632	2	22 (7/30)	0.295	7.5	38
▶ 06324341	PB 632	2 + 3	22 + 18	0.398	10.1	82

Other dimensions and colors are possible on request.

General construction:

Color code:	red, green (AWG 22); brown, light blue and green-yellow earth wire (AWG 18)
Screen of pairs:	tinned copper braiding
Jacket of pairs:	TPE
Stranding:	in layers

Technical data:

Peak operating voltage:	max. 350 V
Testing voltage:	1500 V
Min. bending radius:	12 x O.D.
Characteristic impedance 3 - 20 MHz:	150 Ω \pm 10% (AWG 22)
Absence of harmful substances:	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25

	S PB 634	PB 633	PB 632
▶ Conductor:	0,34 mm ² : bare copper strands acc. to DIN VDE 0812 1,00 mm ² : bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6	0,34 mm ² : bare copper strands acc. to DIN VDE 0812 1,00 mm ² : bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5	0,34 mm ² : bare copper strands acc. to DIN VDE 0812 1,00 mm ² : bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
▶ Wrapping of pairs:	non-woven tape/ alu foil, non-woven tape	alu foil, PETP foil	alu foil, PETP foil
▶ Insulation:	0,34 mm ² : DIN VDE 0819 part 103 (02Y11) 1,00 mm ² : TPE	0,34 mm ² : DIN VDE 0819 part 103 (02Y11) 1,00 mm ² : PE, 2Y11 acc. to DIN VDE 0207 part 2	0,34 mm ² : DIN VDE 0819 part 103 (02Y11) 1,00 mm ² : PVC, T12 acc. to DIN VDE 0281 part 1
▶ Outer jacket (purple):	PUR, TPU acc. to DIN VDE 0282 part 10 with rough surface	PE, 2YM1 acc. to DIN VDE 0207 part 3	PVC, YM1 acc. to DIN VDE 0207 part 5
▶ Temperature range <i>static:</i> <i>flexing:</i>	-40/+80°C -40/+80°C	-40/+70°C -40/+70°C	-5/+70°C -30/+70°C
▶ Burning characteristics: flame retardant and self-extinguishing acc. to IEC 60332-1-2 and EN 60332-1-2	-	-	X
▶ Corrosivity: in compliance with IEC 60754-2 and EN 50267-2-2 + VDE 0482 part 267-2-2 - no development of corrosive conflagration gases	X	X	-
▶ Oil resistance:	very good - TPU acc. to DIN VDE 0282 part 10	-	acc. to internal standard
▶ For fixed installation:	X	X	X
▶ For flexible application:	X	X	X
▶ Suitable for cable tracks:	X	-	-
▶ Weather resistance:	very good	good	medium

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.