

PROFIBUS-DP CABLES ACC. TO EN 50170

PB 637 PVC Profibus-DP cable with UL recognition

S PB 634 PUR Profibus-DP cable for cable tracks

PB 632 Flexible PVC Profibus-DP cable



Computer Cable 22 AWG/2c x AWM Style 2560 60°C 30

Marking for PB 637 06372331:

SAB BRÖCKSKES · D-VIERSEN · 06372331 PB 637 2 x 0.34 mm² Low Voltage Computer Cable 22 AWG/2c x AWM Style 2560 60°C 30V 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	cable weight \approx lbs/mft
▶ 06372331	PB 637	2	22	0.295	7.5	38
▶ 06342341	S PB 634	2	22 (\approx 7/30)	0.299	7.6	39
▶ 06344341	S PB 634	2 + 3	22 (\approx 7/30) + 18 (\approx 56/34)	0.402	10.2	73
▶ 06322341	PB 632	2	22 (\approx 7/30)	0.295	7.5	38
▶ 06324341	PB 632	2 + 3	22 (\approx 7/30) + 18 (\approx 30/32)	0.398	10.1	82

Other dimensions and colors are possible on request.

General construction:

Stranding:	in layers
Screen:	tinned copper braiding
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 directive of the European Union see page O/30



	06372331	06342341 06344341	06322341 06324341
▶ Conductor:	bare copper wire AWG 22, solid wire	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
▶ Insulation:	acc. to DIN VDE 0819 part 103 (Foam-Skin PE)	0.34 mm ² : DIN VDE 0819 part 103 (Foam-Skin PE) 1.00 mm ² : TPE DIN VDE 0281 part 1	0.34 mm ² : DIN VDE 0819 part 103 (Foam-Skin PE) 1.00 mm ² : PVC, T12 acc. to
▶ Color code:	red, green	red, green (AWG 22); brown, light blue and green-yellow earth wire (AWG 18)	red, green (AWG 22); brown, light blue and green-yellow earth wire (AWG 18)
▶ Wrapping of pairs:	alu foil	non-woven tape/ alu foil, non-woven tape	alu foil, PETP foil
▶ Jacket of pairs:	–	TPE (06344341)	–
▶ Jacket material (purple):	PVC, YOE acc. to DIN VDE 0281 part 1	TPE	PVC, YM1 acc. to DIN VDE 0207 part 5
▶ Voltage acc. to UL:	30 V	–	–
▶ Temperature range <i>static:</i> <i>flexing:</i>	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 and EN 60332-1-2	X	–	X
▶ Oil resistance:	very good acc. to DIN VDE 0207 part 5	very good acc. to DIN VDE 0282 part 10	acc. to internal standard see page O/29
▶ For fixed installation:	X	X	X
▶ For flexible application:	–	X	X
▶ Suitable for cable tracks:	–	X	–
▶ Weather resistance:	medium	very good	medium
▶ UL Style:	2560 • 60°C	–	–

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.

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Web site: www.sabcable.com