

PROFIBUS-DP CABLES ACC. TO EN 50170



PB 636 Flexible PVC Profibus-DP cable for outdoor installation

PB 639 PVC Profibus-DP cable applicable in ground

PB 637 PVC Profibus-DP cable with UL approval

PB 635 PVC Profibus-DP cable for outdoor installation



Marking for PB 636 06362348:

SAB BRÖCKSKES · D-VIERSEN · PB 636 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-ø inch	mm	cable weight ≈ lbs/mft
06362348	PB 636	2	22 (7/30)	0.346	8.8	53
06372331	PB 637	2	22	0.287	7.3	36
06392338	PB 639	2	22	0.362	9.2	60
06352338	PB 635	2	22	0.331	8.4	50

Other dimensions and colors are possible on request.

General construction:

Insulation:	acc. to DIN VDE 0819 part 103 (02YI1)
Color code:	red, green
Stranding:	in layers
Wrapping:	alu foil
Screen:	tinned copper braiding

Technical data:

Peak operating voltage:	max. 350 V
Testing voltage:	1500 V
Min. bending radius:	12 x O.D.
Burning characteristics:	flame retardant and extinguishing acc. to IEC 60332-1-2 and EN 60332-1-2
Characteristic impedance 3 - 20 MHz:	150 Ω ± 10%
Absence of harmful substances:	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25

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➤ Conductor:	bare copper strands acc. to DIN VDE 0812	bare copper wire AWG 22, solid wire	bare copper wire AWG 22, solid wire	bare copper wire AWG 22, solid wire
➤ Outer jacket (purple):	PVC, TM2 acc. to DIN VDE 0281 part 1	PVC, YOE acc. to DIN VDE 0281 part 1	PVC acc. to DIN VDE 0281 part 1	PVC, TM2 acc. to DIN VDE 0281 part 1
➤ Voltage acc. to UL:	–	30 V	–	–
➤ Temperature range <i>static:</i> <i>flexing:</i>	-30/+70°C -5/+70°C	UL: up to +60°C -30/+70°C -5/+70°C	-30/+70°C -5/+70°C	-30/+70°C -5/+70°C
➤ Oil resistance:	acc. to internal standard	very good - acc. to DIN VDE 0207 part 5	acc. to internal standard	acc. to internal standard
➤ For fixed installation:	X	X	X	X
➤ For flexible application:	X	–	–	–
➤ Weather resistance:	good	medium	very good	good
➤ Outdoor installation:	X	–	X	X
➤ Direct burial:	–	–	X	–
➤ 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.