

PB 642 PVC Profibus-cable

S PB 644 PUR Profibus-cable for cable tracks



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.

Marking for S PB 644 06442251:
SAB BRÖCKSKES · D-VIERSEN · S PB 644 2 x 0,25 mm² CE

item no.	type	no. of conductors	AWG	nominal outer- ϕ inch	mm	weight \approx lbs/mft
▶ 06422221	PB 642 (purple)	2	24 (7/32)	0.173	4.4	17
▶ 06424221	PB 642 (purple)	2 x 2	24 (7/32)	0.244	6.2	30
▶ 06422251	PB 642 (purple)	2	24 (15/32)	0.193	4.9	20
▶ 06424251	PB 642 (purple)	2	24 (15/32)	0.264	6.7	35
▶ 06422767	PB 642 (blue)	2	18 (42/32)	0.287	7.3	46
▶ 06422768	PB 642 (black)	2	18 (42/32)	0.287	7.3	46
▶ 06442251	S PB 644 (purple)	2	24 (32/38)	0.205	5.2	22
▶ 06444251	S PB 644 (purple)	2 x 2	24 (32/38)	0.268	6.8	38

Other dimensions and colors are possible on request.

General construction:

Insulation:	PE, 2Y11 acc. to DIN VDE 0207 part 2
Color code:	red, green (PA) DIN 47100 (type B)
Stranding:	in layers
Wrapping:	PETP foil
Screen:	tinned copper braiding

Technical data:

Peak operating voltage:	max. 350 V
Testing voltage:	1500 V
Min. bending radius:	7.5 x O.D. 12 x O.D. continuous flexing (S PB 644)
Characteristic impedance:	type B: at > 100 kHz 100 Ω - 130 Ω PA: at 31.25 kHz 100 Ω \pm 20%
Absence of harmful substances:	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25

	PB 642	S PB 644
▶ Conductor:	bare copper strands acc to. DIN VDE 0812	bare copper strands, extra fine wires
▶ Outer jacket:	PVC, TM1 acc. to DIN VDE 0281 part 1	PUR, TMPU acc. to DIN VDE 0282 part 10 with rough surface
▶ Temperature range <i>static:</i> <i>flexing:</i>	-30/+70°C -5/+70°C	-40/+70°C -40/+70°C
▶ Oil resistance:	acc. to internal standard	very good TMPU acc. to DIN VDE 0282 part 10
▶ For fixed installation:	X	X
▶ For flexible application:	X	X
▶ Suitable for cable tracks:	-	X
▶ Weather resistance:	medium	very good