

PROFIBUS-DP CABLES ACC. TO EN 50170

with "Fast Connect" construction



PB 640 Flexible PVC Profibus-DP cable
PB 640 UL Flexible PVC Profibus-DP cable with UL recognition

S PB 640 Continuous flex PUR Profibus-DP cable
S PB 640 UL Continuous flex PUR Profibus-DP cable with UL recognition

D-VIERSEN · S PB 640 · 24 AWG/2c 06402601 CE



Marking for S PB 640 06402601:
 SAB BRÖCKSKES · D-VIERSEN · S PB 640 · 24 AWG/2c 06402601 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/ft
▶ 06402421	PB 640	2	24/19	0.315 ± 0.016	8.0 ± 0.4	42
▶ 06402631	PB 640 UL	2	24/19	0.315 ± 0.016	8.0 ± 0.4	42
▶ 06402601	S PB 640	2	24/19	0.315 ± 0.016	8.0 ± 0.4	38
▶ 06402611	S PB 640 UL	2	24/19	0.315 ± 0.016	8.0 ± 0.4	42

Other dimensions and colors are possible on request.

General construction:

Conductor:	bare copper strands AWG 24
Insulation:	acc. to DIN VDE 0819 part 103 (Foam-Skin PE)
Color code:	red, green
Stranding:	in layers
Wrapping:	alu foil and 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 directive of the European Union see page O/30

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	06402421	06402631	06402601	06402611
▶ Inner jacket (nature):	PVC	PVC	SABIX®	SABIX®
▶ Jacket material (purple):	PVC, TM2 acc. to DIN VDE 0281 part 1	PVC, TM2 acc. to DIN VDE 0281 part 1	PUR, TMPU acc. to DIN VDE 0282 part 10 with mat surface	PUR, TMPU acc. to DIN VDE 0282 part 10 with mat surface
▶ Voltage acc. to UL:	-	300 V	-	300 V
▶ Temperature range static: flexing:	-30/+70°C -5/+70°C	UL: up to +80°C -30/+70°C -5/+70°C	-40/+80°C -30/+80°C	UL: up to +80°C -40/+80°C -30/+80°C
▶ Zero halogen:	-	-	acc. to DIN VDE 0472 part 815 + IEC 60754-1	acc. to DIN VDE 0472 part 815 + IEC 60754-1
▶ Oil resistance:	acc. to internal standard	acc. to internal standard	very good - TMPU acc. to DIN VDE 0282 part 10	very good - TMPU acc. to DIN VDE 0282 part 10
▶ For fixed installation:	X	X	X	X
▶ For flexible application:	X	X	X	X
▶ Suitable for cable tracks:	-	-	X	X
▶ UL Style:	-	2464 • 80°C	-	21198 • 80°C