



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

S PB 640 UL highly flexible PUR Profibus-DP cable with UL recognition
S PB 640 highly flexible PUR Profibus-DP cable



BRÖCKSKES · D-VIERSEN · S PB 640 · 24 AWG/2c 06402

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- ϕ inch	mm	cable weight \approx lbs/ft
06402421	PB 640	2	24/19	0.315 \pm 0.016	8.0 \pm 0.4	42
06402631	PB 640 UL	2	24/19	0.315 \pm 0.016	8.0 \pm 0.4	42
06402601	S PB 640	2	24/19	0.315 \pm 0.016	8.0 \pm 0.4	38
06402611	S PB 640 UL	2	24/19	0.315 \pm 0.016	8.0 \pm 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 (02Y11)
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 \pm 10%
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/28



	PB 640	PB 640 UL	S PB 640	S PB 640 UL
► Inner jacket (nature):	PVC	PVC	SABIX®	SABIX®
► Outer jacket (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 matt surface	PUR, TMPU acc. to DIN VDE 0282 part 10 with matt surface
► Voltage acc. to UL:	-	300 V	-	300 V
► Temperature range <i>static:</i> <i>flexing:</i>	-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:	-	X	-	X