

Profibus-DP Cables

PB 640

Flexible PVC
Profibus-DP cable

PB 640 UL

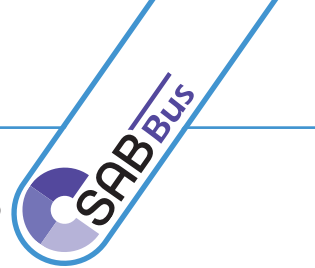
Flexible PVC Profibus-DP cable
with UL recognition

S PB 640

Continuous flex
PUR Profibus-DP cable

S PB 640 UL

Continuous flex PUR Profibus-DP
cable with UL recognition



06402611 AWM Style 21198 80°C 300V CE



Marking for S PB 640 UL 6402611:

SAB BRÖCKSKES · D-VIERSEN · S PB 640 UL 24AWG/2c 6402611 AWM Style 21198 80°C 300V CE

					
Construction:		PB 640 <i>for flexible applications</i>	PB 640 UL <i>for flexible applications</i>	S PB 640 <i>continuous flex</i>	S PB 640 UL <i>continuous flex</i>
Item numbers:	6402421	6402631	6402601	6402611	
Dimensions:	2 x 24 AWG	2 x 24 AWG	2 x 24 AWG	2 x 24 AWG	
Conductor:	bare copper strands 24 AWG		bare copper strands 24 AWG		
Insulation:	acc. to EN 50290-2-23 + VDE 0819-103 (02Y11)	acc. to EN 50290-2-23 + VDE 0819-103 (02Y11)	acc. to EN 50290-2-23 + VDE 0819-103 (02Y11)	acc. to EN 50290-2-23 + VDE 0819-103 (02Y11)	
Color code:	red, green	red, green	red, green	red, green	
Stranding:	in layers	in layers	in layers	in layers	
Inner jacket (nature):	PVC	PVC	SABIX®	SABIX®	
Shielding:	alu foil + tinned copper braiding		alu foil + tinned copper braiding		
Jacket material:	PVC, TM2 acc. to EN 50363-4-1		PUR, TPU acc. to EN 50363-10-2 with matte surface		
Jacket color:	red lilac (RAL 4001)	red lilac (RAL 4001)	red lilac (RAL 4001)	red lilac (RAL 4001)	
Technical data:		PB 640 <i>for flexible applications</i>	PB 640 UL <i>for flexible applications</i>	S PB 640 <i>continuous flex</i>	S PB 640 UL <i>continuous flex</i>
Peak operating voltage:	max. 350 V	max. 350 V	max. 350 V	max. 350 V	
Voltage UL:	—	300 V	—	300 V	
Voltage CSA:	—	—	—	300 V	
Testing voltage: conductor/conductor: conductor/shielding:	1500 V 1500 V	2000 V 2000 V	1500 V 1500 V	2000 V 2000 V	
Min. bending radius: fixed installation: flexible application: continuous flex:	12 x O.D.	12 x O.D.	5 x O.D. 10 x O.D. 15 x O.D.	5 x O.D. 10 x O.D. 15 x O.D.	
Temperature range: static: flexible:	-30/+70°C -5/+70°C	UL: up to +80°C -30/+70°C -5/+70°C	-40/+80°C -30/+80°C	UL/CSA: up to +80°C -40/+80°C -30/+80°C	
Halogen-free:	—	—	acc. to IEC 60754-1 + VDE 0482-754-1		
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332 + VDE 0482-332-1-2				
Oil resistance:	acc. to internal standard, see page O/29		very good EN 50363-10-2 + VDE 0207-363-10-2		
Characteristic impedance (3 - 20 MHz):	150 Ω ± 10%	150 Ω ± 10%	150 Ω ± 10%	150 Ω ± 10%	
Fixed installation:	suitable	suitable	suitable	suitable	
For flexible application:	suitable	suitable	suitable	suitable	
Application in cable tracks:	not recommended	not recommended	recommended	recommended	
UL Style:	—	2464	—	21198	
Absence of harmful substances:	acc. to RoHS directive of the European Union, see page O/30				

item no.	type	no. of conductors	AWG	outer-ø		cable weight ≈ lbs/mft
				inch	mm	
▶ 6402421	PB 640	2	24	0.315 ± 0.016	8.0 ± 0.4	42
▶ 6402631	PB 640 UL	2	24	0.315 ± 0.016	8.0 ± 0.4	42
▶ 6402601	S PB 640	2	24	0.315 ± 0.016	8.0 ± 0.4	38
▶ 6402611	S PB 640 UL	2	24	0.315 ± 0.016	8.0 ± 0.4	42

Other dimensions and colors are available on request

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.



with “Fast Connect”
Construction



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