SAFETYBUS P CABLES

SBP 680 SafetyBUS p cable for fixed installation   **S SBP 684 Move** SafetyBUS p cable for flexible applications

RoHS ✓

CE

VIERSEN · SafetyBUS p SBP 680 3 x 0,75 mm² C€

Marking for SBP 680 06803754:

SAB BRÖCKSKES · D-VIERSEN · SafetyBUS p SBP 680 3 x 0,75 mm² C€ *with consecutive meter marking from 1 m up to 999 m*

SafetyBUS p is an open bus system for the serial transmission of safety directed data. The basic argument for SafetyBUS p is the safety by which it distinguishes itself from other bus systems in automation technique. Above all the users in fields ranging from machine and plant construction, automobile industry, and process engineering benefit from this technique. SafetyBUS p accomplishes all demands for safety with highest flexibility.

item no.	type	no. of conductors	AWG	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
► 06803754	SBP 680	3	19 (≈ 24/32)	0.307 ± 0.016	7.8 ± 0.4	50
► 06843754	S SBP 684	3	19 (≈ 69/38)	0.307 ± 0.016	7.8 ± 0.4	50

Other dimensions and colors are possible on request.

General construction:

Insulation:	acc. to DIN VDE 0819 part 103 (02YI1)
Color code:	acc. to DIN VDE 47100
Wrapping:	non-woven tape
Screen:	tinned copper braid
Wrapping:	non-woven tape
Jacket material:	PUR
Jacket color:	signal yellow

Technical data:

Peak operating voltage:	max. 350 V
Testing voltage:	1500 V
Temperature range:	-40/+80 °C
Zero halogen:	acc. to DIN VDE 0472 part 815 + IEC 60754-1
Oil resistance:	very good - TMPU acc. to DIN VDE 0282 part 10
Characteristic impedance at 1 MHz:	100 - 120 Ω
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/28

	SBP 680	S SBP 684 Move
➤ **Conductor:**	bare copper strands acc. to DIN VDE class 5	bare copper strands acc. to DIN VDE class 6
➤ **Min. bending radius** *fixed laying:* *flexible application:* *continuously flexible:*	5 x outer diameter 10 x outer diameter –	5 x outer diameter 10 x outer diameter 12 x outer diameter
➤ **Application in cable tracks:**	not recommended	recommended
➤ **Continuously flexible stress:**	–	very good