

# SafetyBus p Cables



## SBP 680

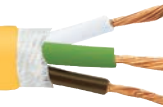
SafetyBUS p cable for fixed installation

## S SBP 684 Move

SafetyBUS p cable for flexible application



▢ BRÖCKSKES · D-VIERSEN · SafetyBUS p SBP 680 3x0.75mm<sup>2</sup> CE



Marking for SBP 680 6803754:

SAB BRÖCKSKES · D-VIERSEN · SafetyBUS p SBP 680 3x0.75mm<sup>2</sup> CE and current meter marking

▢ D-VIERSEN · SafetyBUS p MOVE S SBP 684 3x0.75mm<sup>2</sup> CE



Marking for S SBP 684 Move 6843754:

SAB BRÖCKSKES · D-VIERSEN · SafetyBUS p MOVE S SBP 684 3x0.75mm<sup>2</sup> CE and current meter marking

<b>Construction:</b>	<b>SBP 680</b> <i>for fixed installation</i>	<b>S SBP 684 Move</b> <i>for flexible applications</i>
<b>Item numbers:</b>	6803754	6843754
<b>Dimensions:</b>	3 x 0.75 mm <sup>2</sup>	3 x 0.75 mm <sup>2</sup>
<b>Conductors:</b>	bare copper strands acc. to VDE class 5	bare copper strands acc. to VDE class 6
<b>Insulation:</b>	acc. to EN 50290-2-23 + VDE 0819-103 (02Y11)	acc. to EN 50290-2-23 + VDE 0819-103 (02Y11)
<b>Color code:</b>	acc. to DIN 47100	acc. to DIN 47100
<b>Wrapping:</b>	non-woven tape	non-woven tape
<b>Shielding:</b>	—	tinned copper braiding
<b>Wrapping:</b>	non-woven tape	non-woven tape
<b>Jacket material:</b>	PUR	PUR
<b>Jacket color:</b>	signal yellow (RAL 1003)	signal yellow (RAL 1003)

<b>Technical data:</b>	<b>SBP 680</b> <i>for fixed installation</i>	<b>S SBP 684 Move</b> <i>for flexible applications</i>
<b>Peak operating voltage:</b>	max. 350 V	max. 350 V
<b>Testing voltage:</b>		
conductor/conductor:	1500 V	1500 V
conductor/shielding:	1200 V	1200 V
<b>Min. bending radius:</b>		
fixed installation:	5 x O.D.	5 x O.D.
free movement:	10 x O.D.	10 x O.D.
continuous flex:	—	12 x O.D.
<b>Temperature range:</b>	-40/+80°C	-40/+80°C
<b>Halogen-free:</b>	acc. to IEC 60754-1 + VDE 0482-754-1	acc. to IEC 60754-1 + VDE 0482-754-1
<b>Oil resistance:</b>	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
<b>Characteristic impedance at 1 MHz:</b>	100 - 120 Ω	100 - 120 Ω
<b>Application in cable tracks:</b>	not recommended	recommended
<b>Continuous flex application:</b>	—	very good
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union, see page O/30	

item no.	type	no. of conductors	AWG	nominal outer-ø		cable weight
				inch	mm	≈lbs/mft
▶ 6803754	SBP 680	3	19 (≈ 24/32)	0.307 ± 0.016	7.8 ± 0.4	50
▶ 6843754	S SBP 684 Move	3	19 (≈ 69/38)	0.307 ± 0.016	7.8 ± 0.4	50

Other dimensions and colors are available on request