

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 3x0.75mm² CE



Marking for SBP 680 6803754:

SAB BRÖCKSKES · D-VIERSEN · SafetyBUS p SBP 680 3x0.75mm² CE and current meter marking

D-VIERSEN · SafetyBUS p MOVE S SBP 684 3x0.75mm² CE



Marking for S SBP 684 Move 6843754:

SAB BRÖCKSKES · D-VIERSEN · SafetyBUS p MOVE S SBP 684 3x0.75mm² CE and current meter marking

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

Technical data:	SBP 680 <i>for fixed installation</i>	S SBP 684 Move <i>for flexible applications</i>
Peak operating voltage:	max. 350 V	max. 350 V
Testing voltage:		
conductor/conductor:	1500 V	1500 V
conductor/shielding:	1200 V	1200 V
Min. bending radius:		
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.
Temperature range:	-40/+80°C	-40/+80°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1	acc. to IEC 60754-1 + VDE 0482-754-1
Oil resistance:	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
Characteristic impedance at 1 MHz:	100 - 120 Ω	100 - 120 Ω
Application in cable tracks:	not recommended	recommended
Continuous flex application:	—	very good
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
				±10% inch	±10% mm	
▶ 6803754	SBP 680	3	19 (≈ 24/32)	0.307	7.8	50
▶ 6843754	S SBP 684 Move	3	19 (≈ 69/38)	0.307	7.8	50

Other dimensions and colors are available on request

DIN 47100 color code:

#1- white, #2- brown, #3- green