

# Technical data sheet · LÜTZE SILFLEX® B PVC

PVC control cables · unshielded



<b>Identification</b>	Type	SI B PVC 3G0,5
	Part-No.	100001

## Use/Application/Characteristics

Application	<ul style="list-style-type: none"><li>• Machine and device construction, transport and conveyor technology, HVAC technology</li><li>• In dry and damp rooms</li><li>• As a monitoring, measurement and control cable for industrial applications</li><li>• For flexible application without continuous flexing</li></ul>
Characteristics	<ul style="list-style-type: none"><li>• PVC Flame-retardant, self-extinguishing</li><li>• Resistant to most oils, greases, acids and alkalis</li><li>• Silicone free</li><li>• RoHS-compliant</li></ul>

## Construction

Description	Silflex B PVC
Number of conductors/cross-section	3G0.5
Jacket material	Special PVC
Jacket color	grey RAL 7001
Outer Ø	5.2 mm
Surface	adhesion-free matt
Weight	4.1 kg/100 m
Cu-Index	1.4 kg/100 m

26.01.2017 – Subject to technical modification

Part-No. 100001

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SYSTEMATIC TECHNOLOGY

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## Element 1

Element construction	3G0,5
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 5 Finely stranded DIN VDE 0295 DIN EN 13602
Conductor marking	green/yellow brown blue
Conductor marking standard	DIN VDE 0293-308 DIN EN 50334
Conductor insulation	Special PVC
Conductor insulation standard	VDE 0281-1 EN 50363-3

## overall construction

Overall stranding	Conductors stranded layers
Jacket characteristics	Flame-retardant self-extinguishing Oil resistant grease-resistant acid-resistant. alkali-resistant Silicone-free

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## Technical data

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Rated voltage $U_0/U$	300/500 V
Test voltage type	AC 4000 V
Temperature range moving	-15 °C ... +70 °C
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius moving	10×D
Minimum bending radius fixed	4×D

## Element 1

Element construction	3G0,5
Insulation resistance at 20°C	20.0 MΩ×km
Operating capacitance Ader-Ader	121 pF/m

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## Approvals/Standards

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Conformity	CE RoHS
Burning behavior	VDE 0482 322-1-2 DIN EN 60332-1-2 IEC 60332-1

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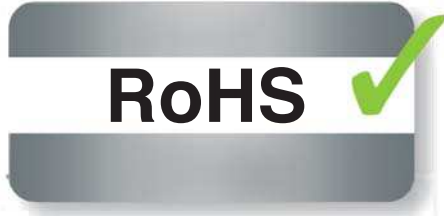
## General

Note

CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU

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## Symbols



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