

Technical data sheet · LÜTZE SILFLEX® B PVC

PVC control cables · unshielded



Identification	Type	SI B PVC 5G1,0
	Part-No.	100053

Use/Application/Characteristics

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

Construction

Description	Silflex B PVC
Number of conductors/cross-section	5G1.0
Jacket material	Special PVC
Jacket color	grey RAL 7001
Outer Ø	7.3 mm
Surface	adhesion-free matt
Weight	9.4 kg/100 m
Cu-Index	4.8 kg/100 m

26.01.2017 – Subject to technical modification

Part-No. 100053

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SYSTEMATIC TECHNOLOGY

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Element 1

Element construction	5G1,0
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 5 Finely stranded DIN VDE 0295 DIN EN 13602
Conductor marking	green/yellow brown blue black grey
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

Technical data

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	5G1,0
Insulation resistance at 20°C	20.0 MΩ×km
Operating capacitance Ader-Ader	158 pF/m

Approvals/Standards

Conformity	CE RoHS
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Burning behavior

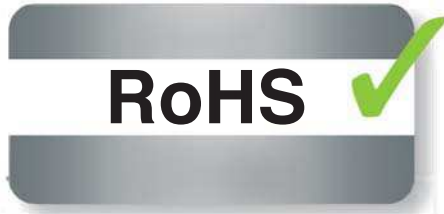
VDE 0482 322-1-2
DIN EN 60332-1-2
IEC 60332-1

General

Note

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

Symbols



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