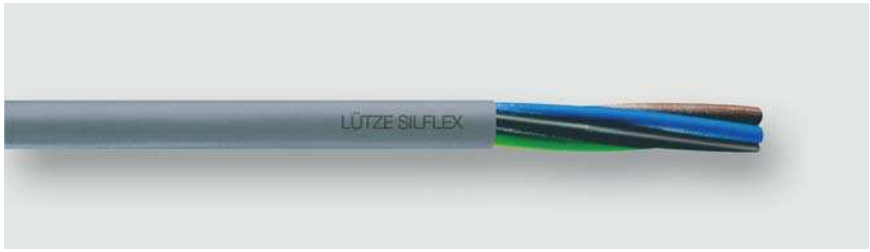
Technical data sheet · LÜTZE SILFLEX® B PVC



PVC control cables · unshielded

Identification	Type	SI B PVC 5G2,5
	Part-No.	100107

Use/Application/Characteristics	
Application	• 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	• 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	5G2.5
Jacket material	Special PVC
Jacket color	grey RAL 7001
Outer ∅	10.2 mm
Surface	adhesion-free matt
Weight	19.8 kg/100 m
Cu-Index	12 kg/100 m

USA: LUTZE INC.
13330 South Ridge Drive • Charlotte, NC 28273, USA
Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223
www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.
Unit 3, Sandy Hill Park
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU
Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2
www.lutze.com • sales.gb@lutze.co.uk

SYSTEMATIC TECHNOLOGY

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Element 1

Element construction	5G2,5
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 5 Finely stranded DIN VDE 0295 DIN EN 13602
Conductor marking	green/yellow brown blue 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	5G2,5
Insulation resistance at 20°C	20.0 MΩ×km
Operating capacitance Ader-Ader	191 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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