

Technical data sheet · LÜTZE SILFLEX® N PVC

PVC control cables · unshielded



Identification	Type	SI N PVC 12G1,0
	Part-No.	100413

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 N PVC
Number of conductors/cross-section	12G1.0
Jacket material	Special PVC
Jacket color	grey RAL 7001
Outer Ø	10.5 mm
Surface	adhesion-free matt
Weight	20 kg/100 m
Cu-Index	11.5 kg/100 m

26.01.2017 – Subject to technical modification

Part-No. 100413

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

Technical data sheet · LÜTZE SILFLEX® N PVC

Element 1

Element construction	12G1,0
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 5 Finely stranded DIN VDE 0295 DIN EN 13602
Conductor marking	black with white number print green/yellow
Conductor insulation	Special PVC
Conductor insulation standard	VDE 0281-1 EN 50363-3

overall construction

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

Technical data

Rated voltage U_0/U	300/500 V
Test voltage type	AC 3000 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	12G1,0
Insulation resistance at 20°C	20.0 MΩ×km
Operating capacitance Ader-Ader	158 pF/m

Approvals/Standards

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

General

26.01.2017 – Subject to technical modification

Part-No. 100413

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



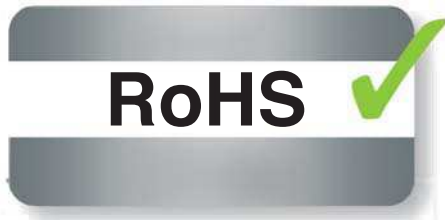
SYSTEMATIC TECHNOLOGY

Technical data sheet · LÜTZE SILFLEX® N PVC

Note

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

Symbols



26.01.2017 – Subject to technical modification

Part-No. 100413

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