

Technical data sheet · LÜTZE SILFLEX® N (C) PVC

PVC control cables · shielded



Identification	Type	SI N(C)PVC(18G0,75)
	Part-No.	116106
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• Anywhere where electrical interference fields can influence the signal transmission	
Characteristics	<ul style="list-style-type: none">• The overall braided copper shield prevents both the interference of signals and measured values as well as the emission of interfering signals• PVC Flame-retardant, self-extinguishing• Resistant to most oils, greases, acids and alkalis• Silicone free• RoHS-compliant	
Construction		
Description	Silfex N (C) PVC	
Number of conductors/cross-section	(18G0.75)	
Jacket material	Special PVC	
Jacket color	grey RAL 7001	
Outer Ø	12.6 mm	
Surface	adhesion-free matt	

27.01.2017 – Subject to technical modification

Part-No. 116106

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 (C) PVC

Weight 28.6 kg/100 m
Cu-Index 17.1 kg/100 m

Element 1

Element construction (18G0,75)
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 Conductors stranded layers
Overall shield Braid shield
Tinned copper wires
optical cover approx. 85%
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 3000 V
Temperature range moving -5 °C ... +70 °C
Temperature range fixed -40 °C ... +80 °C
Minimum bending radius moving 15×D
Minimum bending radius fixed 6×D

Element 1

Element construction (18G0,75)
Insulation resistance at 20°C 20.0 MΩ×km
Operating capacitance Ader-Ader 148 pF/m
Operating capacitance wire-shield 164 pF/m

Approvals/Standards

27.01.2017 – Subject to technical modification

Part-No. 116106

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 (C) PVC

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

General

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

Symbols



27.01.2017 – Subject to technical modification

Part-No. 116106

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