

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

PVC control cables · shielded



<b>Identification</b>	Type	SI N(C)PVC(18G1,5)
	Part-No.	116127
<b>Use/Application/Characteristics</b>		
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><li>• Anywhere where electrical interference fields can influence the signal transmission</li></ul>	
Characteristics	<ul style="list-style-type: none"><li>• The overall braided copper shield prevents both the interference of signals and measured values as well as the emission of interfering signals</li><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>	
<b>Construction</b>		
Description	Silfex N (C) PVC	
Number of conductors/cross-section	(18G1.5)	
Jacket material	Special PVC	
Jacket color	grey RAL 7001	
Outer Ø	15.4 mm	
Surface	adhesion-free matt	

27.01.2017 – Subject to technical modification

Part-No. 116127

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 47.5 kg/100 m  
Cu-Index 32.5 kg/100 m

## Element 1

Element construction (18G1,5)  
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 (18G1,5)  
Insulation resistance at 20°C 20.0 MΩ×km  
Operating capacitance Ader-Ader 172 pF/m  
Operating capacitance wire-shield 214 pF/m

---

## Approvals/Standards

---

27.01.2017 – Subject to technical modification

Part-No. 116127

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

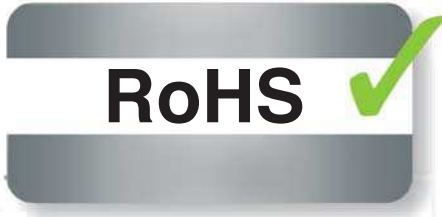
---

## 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. 116127

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