

# Technical data sheet · LÜTZE SILFLEX® N PVC

PVC control cables · unshielded



<b>Identification</b>	Type	SI N PVC 7G1,0
	Part-No.	100410

## Use/Application/Characteristics

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></ul>
Characteristics	<ul style="list-style-type: none"><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>

## Construction

Description	SILFLEX N PVC
Number of conductors/cross-section	7G1.0
Jacket material	Special PVC
Jacket color	grey RAL 7001
Outer Ø	8.1 mm
Surface	adhesion-free matt
Weight	12.1 kg/100 m
Cu-Index	6.7 kg/100 m

26.01.2017 – Subject to technical modification

Part-No. 100410

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	7G1,0
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	7G1,0
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. 100410

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

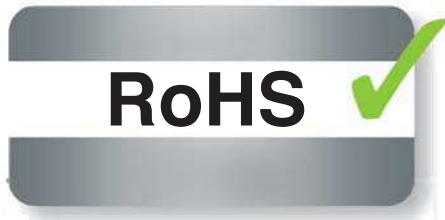
---

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. 100410

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