

# Technical data sheet · LÜTZE SUPERFLEX® N PVC

## For medium to high requirements



PVC control cables · C-track compatible · unshielded

<b>Identification</b>	Type	SU N PVC 5G2,5
	Part-No.	100769

### 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 in continuously moving applications</li> <li>• For installation in energy chains with constant linear movement</li> </ul>
Characteristics	<ul style="list-style-type: none"> <li>• Construction and material suitable for continuous movement application.</li> <li>• PVC Flame-retardant, self-extinguishing</li> <li>• Resistant to most oils, greases, acids and alkalis (see tech. information)</li> <li>• Silicone free</li> <li>• RoHS-compliant</li> </ul>

### Construction

Description	SUPERFLEX N PVC
Number of conductors/cross-section	5G2.5
Jacket material	Special PVC
Jacket color	grey RAL 7001
Outer Ø	9.9 mm
Weight	19.9 kg/100 m
Cu-Index	12.2 kg/100 m

26.01.2017 – Subject to technical modification

Part-No. 100769

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 SUPERFLEX® N PVC

## For medium to high requirements

---

### Element 1

Element construction	5G2,5
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 DIN EN 13602 Superfinely stranded DIN VDE 0295
Conductor marking	black with white number print green/yellow
Conductor insulation	Special PVC

### overall construction

Overall stranding	Conductors stranded layers schlaglängenoptimiert Conductors twisted without mechanical stress
Overall wrapping	Non-woven material
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	-15 °C ... +80 °C
Temperature range fixed	-30 °C ... +80 °C
Minimum bending radius moving	10×D
Minimum bending radius fixed	4×D
Travel distance	≤15 m
Speed	5 m/s
Acceleration	10 m/s <sup>2</sup>

### Element 1

Element construction	5G2,5
Insulation resistance at 20°C	20.0 MΩ×km

---

### Approvals/Standards

---

26.01.2017 – Subject to technical modification

Part-No. 100769

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 SUPERFLEX® N PVC

## For medium to high requirements

---

Conformity	CE RoHS
Burning behavior	IEC 60332-2-2 DIN EN 60332-2-2 VDE 0482-332-2-2

---

### General

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. 100769

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