

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

## For medium to high requirements



PVC control cables · C-track compatible · shielded

<b>Identification</b>	Type	SU N(C)PVC (2×0,5)
	Part-No.	110446

### 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> <li>• Anywhere where electrical interference fields can influence the signal transmission</li> </ul>
Characteristics	<ul style="list-style-type: none"> <li>• Construction and material suitable for continuous movement application.</li> <li>• High active and passive interference resistance</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 (C) PVC
Number of conductors/cross-section	(2×0.5)
Jacket material	Special PVC
Jacket color	grey RAL 7001
Outer Ø	6.6 mm

27.01.2017 – Subject to technical modification

Part-No. 110446

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SYSTEMATIC TECHNOLOGY

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Weight 7.1 kg/100 m  
Cu-Index 2.2 kg/100 m

### Element 1

Element construction (2×0,5)  
Conductor CU-wire bare  
Conductor category DIN EN 60228, class 6  
Superfinely stranded DIN VDE 0295  
DIN EN 13602  
Conductor marking black  
with white number print  
Conductor insulation Special PVC  
Stranding Conductors stranded layers  
layer pitch optimised  
Conductors twisted without mechanical stress  
Wrapping Non-woven material

### overall construction

Overall wrapping Non-woven material  
Inner jacket PVC  
Overall shield Braid shield  
Tinned copper wires  
optical cover approx. 85%  
Jacket characteristics Flame-retardant  
self-extinguishing  
Silicone-free  
Oil resistant  
grease-resistant  
acid-resistant.  
alkali-resistant

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### Technical data

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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 12×D  
Minimum bending radius fixed 6×D  
Bending cycles  $\geq 1$  Mio  
Travel distance  $\leq 15$  m  
Speed 5 m/s  
Acceleration 10 m/s<sup>2</sup>

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### Element 1

Element construction	(2×0,5)
Insulation resistance at 20°C	20.0 MΩ×km

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### Approvals/Standards

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

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### General

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



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