

# Technical data sheet - LÜTZE-SILFLEX® N PUR

PUR control cables - unshielded



<b>Identification</b>	Type	7G1,0
	Part-No.	110185

## Use/Area of application

Application	<ul style="list-style-type: none"><li>• Machine and device construction, transport and conveyor technology</li><li>• For flexible application with free movement</li><li>• Especially for industrial environments, machines and plants</li><li>• In areas with high concentrations of people or material assets</li></ul>
Properties	<ul style="list-style-type: none"><li>• Low capacitance, very good electrical properties</li><li>• Very good cold flexibility</li><li>• Halogen-free, no corrosive gases</li><li>• Low adhesion, Abrasion-resistant, Tear resistant</li><li>• Hydrolysis-resistant, microbe-resistant, and rot-resistant</li><li>• Weathering, ozone and UV resistant (normal lighting conditions)</li><li>• Good resistance to wear and salt water</li><li>• Excellent coolant and lubricant resistance</li><li>• Largely resistant to oils, greases, alcohol-free benzines and kerosene</li><li>• Silicone free</li><li>• RoHS-compliant</li></ul>

## Technical data

Voltage	U <sub>0</sub> /U	300/500 V
Nominal voltage	300/500 V	
Test voltage	3000 V	
Insulation resistance	min. 100 MΩ × km	

13.11.2013 – Subject to technical modification

Part-No. 110185

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Temperature range	moving	-25 °C to +80 °C
	fixed	-40 °C to +80 °C
Minimum bending radius	moving	D × 10
	fixed	D × 4
Jacket material	PUR	
Halogen-free	according DIN EN 50264-2-1	
Outer-Ø	7.7 approx. mm	
Weight	10.8 kg/100 m	
Cu-Index	6.7 kg/100 m	

### Design

Number of strands/cross-section	7G1.0
Conductor structure	Bare copper braid, fine stranded according to DIN VDE 0295 class 5, IEC 60228 class 5
Conductor insulation	Special Thermoplast conductor insulation
Conductor labelling	Conductors black with white number print according to DIN EN 50334
Ground conductor	green/yellow according to DIN EN 50334 in the top layer
Stranding	Conductors stranded layers
Outer jacket	Full polyurethane jacket, matt, adhesion-free surface
Jacket colour	grey RAL 7001

### General

Note	CE These products are in conformity with the EU Low Voltage Directive 2006/95/EC
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### Logo



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