

Technical data sheet - LÜTZE-SILFLEX® N PUR

PUR control cables · unshielded



Identification	Type	4G0,5
	Part-No.	110457

Use/Area of application

Application	<ul style="list-style-type: none">• Machine and device construction, transport and conveyor technology• For flexible application with free movement• Especially for industrial environments, machines and plants• In rooms with high concentrations of people or material assets
Properties	<ul style="list-style-type: none">• Low capacitance, very good electrical properties• Very good cold flexibility• halogen-free, no corrosive gases• Low adhesion, abrasion-resistant, nick-resistant, tear-propagation-resistant• Hydrolysis-resistant, microbe-resistant, and rot-resistant• Weathering, ozone and UV resistant (normal lighting conditions)• Good resistance to use and salt water• Excellent coolant and lubricant resistance• Largely resistant to oils, greases, alcohol-free benzines and kerosene• Free from silicone paint wetting impairment substances (LABS-free), RoHS-compliant

Technical data

Voltage	U ₀ /U	300/500 V
Test voltage	3000 V	
Insulation resistance	min. 100 MΩ × km	
Temperature range	moving	-25 °C to +80 °C

19.04.2012 – Subject to technical modification

Part-No. 110457

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SYSTEMATIC TECHNOLOGY

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Minimum bending radius	fixed	-40 °C to +80 °C
Fire performance	according to VDE 0298 table 6	
Number of strands/cross-section	4G0.5	
Outer-Ø	5.1 approx. mm	
Weight	4.0 kg/100 m	
Cu-Index	1.9 kg/100 m	

Design

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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