

# Technical data sheet · LÜTZE SUPERFLEX<sup>®</sup> N PUR



PUR C-track cable · For the highest requirements

<b>Identification</b>	Type	18×1.0
	Part-No.	111002

## Use/Area of application

Application	<ul style="list-style-type: none"><li>• Machine and device construction, transport and conveyor technology</li><li>• Through full PUR jacket suited for c-tracks, extremely harsh operating conditions, aggressive coolants and lubricants</li><li>• Special for industrial environments, machines and plants</li></ul>
Properties	<ul style="list-style-type: none"><li>• Extreme space-saving design</li><li>• Low capacitance, very good electrical properties</li><li>• Halogen-free, no corrosive gases</li><li>• Very good alternating bending strength</li><li>• Low adhesion, abrasion-proof, nick-resistant, tear-propagation-resistant</li><li>• hydrolysis-resistant, microbe-resistant, and rot-resistant</li><li>• Weathering, ozone and UV resistant (normal lighting conditions)</li><li>• Good industrial- and salt water resistance</li><li>• Excellent coolant and lubricant resistance</li><li>• Widely resistant to oils, greases, alcohol-free benzines and kerosene</li><li>• Free from paint wetting disruptive substances (LABS-free), RoHS-compliant</li></ul>

## Technical data

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

23.11.2007 – Subject to technical modification

Part-No. 111002

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Systematic Technology

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Minimum bending radius	fixed moving	-40 °C to +80 °C Cable diameter × 10
Halogen-free	fixed according to DIN EN 50264-1; EN 50267-2-1; EN 60684-2	Cable diameter × 4
Number of strands/cross-section	18 × 1,0	
Outer-∅	11.4 approx. mm	
Weight	23.2 kg/100 m	
Cu-Index	17.8 kg/100 m	

## Design

Conductor structure	Bare copper wire, finest multi-strand according to DIN VDE 0295 class 6, IEC 60228 class 6
Conductor insulation	Special-TPE 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 twisted without mechanical stress, layer pitch optimised
Banding	Non-woven material over stranded cable
Outer jacket	Full polyurethane jacket, matt, adhesion-free surface
Jacket colour	grey RAL 7001

## General

Note	CE These products are in conformity to the EC Low Voltage Directive 73/23/EWG or 93/68/EWG respectively
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## Logo

**halogenfree**

**low capacity**

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