

Technical data sheet - LÜTZE-SILFLEX® N PUR

PUR control cables · unshielded



Identification	Type	3G1,0
	Part-No.	110182

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 areas 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, Tear resistant• Hydrolysis-resistant, microbe-resistant, and rot-resistant• Weathering, ozone and UV resistant (normal lighting conditions)• Good resistance to wear and salt water• Excellent coolant and lubricant resistance• Largely resistant to oils, greases, alcohol-free benzines and kerosene• Silicone free• RoHS-compliant

Technical data

Voltage	U ₀ /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. 110182

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

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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	5.8 approx. mm	
Weight	5.3 kg/100 m	
Cu-Index	2.9 kg/100 m	

Design

Number of strands/cross-section	3G1.0
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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