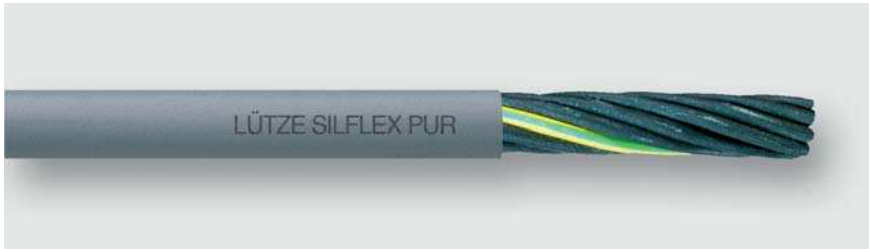
Technical data sheet · LUTZE-SILFLEX®N PUR



PUR control cables · unshielded

Identification	Type	SI N PUR 2×0,75
	Part-No.	110168

Use/Application/Characteristics	
Application	• Machine and device construction, transport and conveyor technology, HVAC technology • In areas with high concentrations of people or material assets, where corrosive gases need to be avoided in the event of fire • As a monitoring, measurement and control cable for industrial applications • Especially for rough environments • For flexible applications without continuous flexing
Characteristics	• Low capacitance, very good electrical properties • Flexible in cold environments • Halogen-free, no corrosive gases • Low adhesion, Abrasion-resistant, Tear resistant • Hydrolysis-resistant, microbe-resistant, and rot-resistant • Weatherproof, ozone and UV resistant (normal lighting conditions) • Good ruggedness and salt water resistance • Excellent coolant and lubricant resistance • Resistant to most oils, greases, alcohol-free benzines and kerosene • Silicone free • RoHS-compliant

Construction	
Description	Silflex N PUR
Number of conductors/cross-section	2×0.75

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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Jacket material	PUR
Jacket color	grey RAL 7001
Outer ∅	5 mm
Surface	adhesion-free matt
Weight	3.3 kg/100 m
Cu-Index	1.4 kg/100 m

Element 1

Element construction	2×0,75
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 5 DIN EN 13602 Finely stranded DIN VDE 0295
Conductor marking	black with white number print
Conductor insulation	Special TPE
Conductor insulation standard	in Anlehnung an VDE 0207

overall construction

Overall stranding	stranded layers
Jacket characteristics	Halogen free hydrolysis-resistant microbe resistant rot-resistant Weather resistant UV resistant (normal lighting conditions) ozone-resistant service water-resistant salt water-resistant coolant-resistant lubricant-resistant Silicone-free Oil resistant grease-resistant petrol-resistant (alcohol-free) kerosene-resistant

Technical data

Rated voltage U_0/U	300/500 V
Test voltage type	AC 3000 V
Temperature range moving	-25 °C … +80 °C
Temperature range fixed	-40 °C … +80 °C
Minimum bending radius moving	10×D

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SYSTEMATIC TECHNOLOGY

Minimum bending radius fixed	4×D

Element 1

Element construction	2×0,75
Insulation resistance at 20°C	100.0 MΩ×km
Operating capacitance Ader-Ader	61 pF/m

Approvals/Standards

Conformity	CE RoHS
Halogen free according to	IEC 60754-1 DIN EN 60754-1

General

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

Symbols

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