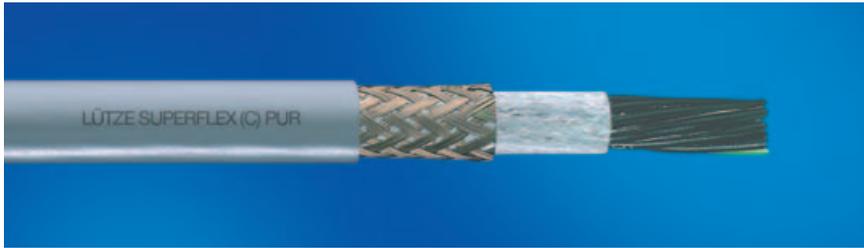


# Technical data sheet · LÜTZE SUPERFLEX® N (C) PUR



PUR C-track cable · For the highest requirements

<b>Identification</b>	Type	(12×1.0)
	Part-No.	118825

## 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 with interference potential, in machines, plant and device construction</li> </ul>
Properties	<ul style="list-style-type: none"> <li>• Extreme space-saving design</li> <li>• Low capacitance, very good electrical properties</li> <li>• High active and passive interference resistance</li> <li>• Braided shield optimised for continuous flexible use</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	$U_0/U$	300/500 V
Test voltage		3000 V

10.05.2007 – Subject to technical modification

Part-No. 118825

USA: LUTZE INC.

13330 South Ridge Drive · Charlotte, NC 28273, USA

Tel. +1-704-504-02 22 · Fax +1-704-504-02 23

www.lutze.com · info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 4, Brabazon Court · Borman

Lichfield Road Industrial Estate · GB-Tamworth, Staffordshire B79 7TA

Tel. +44-18 27-3 13 33-0 · Fax +44-18 27-3 13 33-2

www.lutze.com · sales.gb@lutze.co.uk



Systematic Technology

# Technical data sheet · LÜTZE SUPERFLEX® N (C) PUR

Isolation resistance	min. 100 MΩ × km	
Temperature range	moving	-25 °C to +80 °C
	fixed	-40 °C to +80 °C
Minimum bending radius	moving	Cable diameter × 12
	fixed	Cable diameter × 6
Halogen-free	according to DIN EN 20264 / EN 50267 / 60684	
Number of strands/cross-section	(12×1,0)	
Outer-Ø	10.2 approx. mm	
Weight	19.3 kg/100 m	
Cu-Index	16.7 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
Overall shield	Meshwork shielding from galvanised Cu wire, optical covering ≥ 85 %.
Outer jacket	Full polyurethane jacket, matt, adhesion-free surface
Jacket colour	grey RAL 7001

## General data

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

## Logo

**halogenfree**

**low capacity**

10.05.2007 – Subject to technical modification

Part-No. 118825

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA

Tel. +1-704-504-02 22 • Fax +1-704-504-02 23

www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 4, Brabazon Court • Borman

Lichfield Road Industrial Estate • GB-Tamworth, Staffordshire B79 7TA

Tel. +44-18 27-3 13 33-0 • Fax +44-18 27-3 13 33-2

www.lutze.com • sales.gb@lutze.co.uk



**Systematic Technology**