

# Technical data sheet - LÜTZE-SILFLEX® N PVC

PVC control cables - unshielded



<b>Identification</b>	Type	12G1,5
	Part-No.	100437

## Use/Area of application

Application	<ul style="list-style-type: none"> <li>Machine and device construction, transport and conveyor technology, heating, climate technology</li> <li>In dry and moist rooms</li> <li>As control, measurement and regulation cable for medium operating conditions</li> <li>For flexible application without compulsory guide</li> </ul>
Properties	<ul style="list-style-type: none"> <li>PVC Flame-retardant, self-extinguishing</li> <li>Largely resistant to oils, greases, acids and alkalis</li> <li>Silicone free</li> <li>RoHS-compliant</li> </ul>

## Technical data

Voltage	U <sub>0</sub> /U	300/500 V
Nominal voltage	300/500 V	
Test voltage	3000 V	
Insulation resistance	min. 20 MΩ × km	
Temperature range	moving	-5 °C to +70 °C
	fixed	-30 °C to +80 °C
Minimum bending radius	moving	D × 10
	fixed	D × 4
Jacket material	PVC	
Fire performance	Flame-retardant according to VDE 0482 part 265-2, DIN EN 50265-2, IEC 60332-1	

13.11.2013 – Subject to technical modification

Part-No. 100437

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

# Technical data sheet - LÜTZE-SILFLEX® N PVC

Special version	K= cold resistant T= heat resistant	-30 °C to +70 °C 0 °C to +90 °C
Outer-∅	11.7 approx. mm	
Weight	27.6 kg/100 m	
Cu-Index	17.3 kg/100 m	

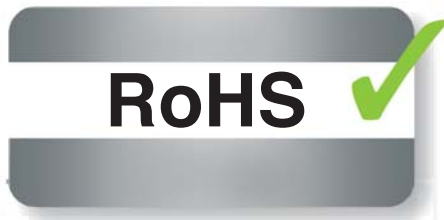
## Design

Number of strands/cross-section	12G1.5
Conductor structure	Bare copper braid, fine stranded according to DIN VDE 0295 class 5, IEC 60228 class 5
Conductor insulation	Special PVC 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	Jacket special PVC TM2 according to HD21.1, 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
------	--

## Logo



13.11.2013 – Subject to technical modification

Part-No. 100437

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