

# Technical data sheet · LÜTZE SUPERFLEX® PLUS M (C) PUR 0.6/1kV Motor/Power supply cable



PUR c-track cables · For highest requirements

<b>Identification</b>	Type	(4G35)
	Part-No.	111467

## Use/Area of application

Application	<ul style="list-style-type: none"> <li>• Motor connection cable, especially for frequency converters and SERVO drives</li> <li>• Through full PUR jacket and TPE / <b>HGI cable insulation</b> optimally suited for c-tracks, extremely harsh operating conditions, aggressive coolants and lubricants</li> <li>• For travel paths over 40 m, we recommend conductors with inside jacket</li> </ul>
Properties	<ul style="list-style-type: none"> <li>• High active and passive interference resistance (EMC)</li> <li>• Braided shield optimised for continuous flexible use</li> <li>• Very good alternating bending strength</li> <li>• Low adhesion, abrasion-resistant, 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 resistance to use and salt water</li> <li>• Excellent coolant and lubricant resistance</li> <li>• Largely resistant to oils, greases, alcohol-free benzines and kerosene (see tech. information)</li> <li>• Free from paint wetting impairment substances (LABS-free), RoHS-compliant</li> </ul>

## Technical data

UL approval	1000 V 80 °C	
Voltage	U <sub>0</sub> /U	0.6/1 kV
Test voltage	4000 V	

12.11.2009 – Subject to technical modification

Part-No. 111467

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

# Technical data sheet · LÜTZE SUPERFLEX® PLUS M (C) PUR 0.6/1kV Motor/Power supply cable

Insulation resistance	min. 500 M $\Omega$ × km	
Temperature range	moving	-25 °C to +80 °C
	fixed	-40 °C to +80 °C
Minimum bending radius	moving	Cable diameter × 10
	fixed	Cable diameter × 6
Radiation-resistance	5×10 <sup>7</sup> cJ/kg	
Burning behaviour	Flame-retardant according to VDE 0482 part 265-2 DIN EN 50265-2; IEC 60332-1; UL 1581 section 1080 VW-1; CSA FT 1	
Halogen-free	according to DIN EN 202641-1, EN 50267-2-1, EN 60684-2	
Number of strands/cross-section	(4G35)	
Outer- $\varnothing$	28.3 approx. mm	
Weight	169.2 kg/100 m	
Cu-Index	151.0 kg/100 m	

## Design

Conductor structure	Bare copper wire, multi-strand according to DIN VDE 0295 or IEC 60228
Conductor insulation	Special TPE/HGI conductor insulation, UL qualified
Conductor labelling	Power conductors black with number print U/L1/C/L+; V/L2; W/L3/D/L-
Ground conductor	greenyellow according to DIN EN 50334
Stranding	Conductors twisted without mechanical stress, layer pitch optimised
Banding	Non-woven material over stranded cable
Inside jacket	TPE (optional)
Overall shield	Meshwork from tinned copper wire braid, optical covering $\geq$ 85 %
Outer jacket	Full polyurethane jacket, matt, adhesion-free surface
Jacket colour	orange RAL 2003

## General

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

## Logo

12.11.2009 – Subject to technical modification

Part-No. 111467

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 SUPERFLEX® PLUS M (C) PUR 0.6/1kV  
Motor/Power supply cable

---



12.11.2009 – Subject to technical modification

Part-No. 111467

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