

Technical data sheet · LÜTZE SUPERFLEX® PLUS N (C) PUR SERVO Supply Line Motor/Brake 0.6/1 kV



PUR C-track cables · For the highest requirements

Identification	Type	(4×1.5 + (2×1.5))
	Part-No.	111420

Use/Area of application

Application	<ul style="list-style-type: none"> • Termination cable motor/brake especially for frequency converters and SERVO drives in machine and plant construction, transport and conveyor technology • Through full PUR jacket and TPE / HGI cable insulation optimally suited for c-tracks, extremely harsh operating conditions and aggressive coolants and lubricants • Especially for industrial environments, machines and plants
Properties	<ul style="list-style-type: none"> • High active and passive interference resistance (EMC) • Braided shield optimised for continuous flexible use • Very good alternating bending strength • Good pressure and roll-over resistance • Low adhesion, abrasion-proof, nick-resistant, tear-propagation-resistant • Hydrolisis-resistant, microbe-resistant, and rot-resistant • Weathering, ozone and UV resistant (normal lighting conditions) • Good us and salt water resistance • Excellent coolant and lubricant resistance • Widely resistant to oils, greases, alcohol-free benzines and kerosene (see tech. information) • Free from paint wetting disruptive substances (LABS-free), RoHS-compliant

Technical data

UL approval	1000 V 80 °C
-------------	--------------

23.11.2007 – Subject to technical modification

Part-No. 111420

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273
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 N (C) PUR SERVO Supply Line Motor/Brake 0.6/1 kV

Voltage	VDE U ₀ /U UL	600/1000 V 1000 V
Test voltage	4000 V	
Insulation resistance	min. 100 MΩ × km	
Temperature range	moving fixed	-25 °C to +80 °C -40 °C to +80 °C
Minimum bending radius	moving fixed	Cable diameter × 10 Cable diameter × 6
Radiation-resistance	5×10 ⁷ cJ/kg	
Burning behaviour	Flame-retardant according to VDE 0482 T 265-2-1; IEC 60332-1, UL 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	(4×1,5+(2×1,5))	
Outer-∅	10.5 approx. mm	
Weight	21.0 kg/100 m	
Cu-Index	15.0 kg/100 m	

Design

Conductor structure	Bare copper wire, superfine strand according to DIN VDE 0295 Kl. 6 or IEC 60228 cl. 6
Conductor insulation	Special TPE/HGI conductor insulation, UL qualified
Conductor labelling	Conductors black with white number print according to DIN EN 50334
Ground conductor	green/yellow according to DIN EN 50334 i. d. Outer layer
Stranding	Conductors twisted without mechanical stress, layer pitch optimised
Banding	Non-woven material over stranded cable
Overall shield	Meshwork from tinned copper wire braid, optical covering ≥ 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



**HGI insulation,
low capacity**

23.11.2007 – Subject to technical modification

Part-No. 111420

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273
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 N (C) PUR SERVO Supply Line Motor/Brake 0.6/1 kV

halogenfree

23.11.2007 – Subject to technical modification

Part-No. 111420

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273
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