

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



PUR C-track cable · For the highest requirements

Identification	Type	(4×2.5)
	Part-No.	111461

Use/Area of application

Application	• Motor connection cable, special for frequency converters and SERVO drives • Through full PUR jacket and TPE / HGI cable insulation optimally suited for c-tracks, extremely harsh operating conditions, aggressive coolants and lubricants • For travel paths over 40 m, we recommend conductors with inside jacket
Properties	• 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	
Voltage	U ₀ /U	600/1000 V

23.11.2007 – Subject to technical modification

Part-No. 111461

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	UL	1000 V
Test voltage	4000 V	
Insulation 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 × 10
	fixed	Cable diameter × 6
Radiation-resistance	5×10 ⁷ cJ/kg	
Burning behaviour	Flame-retardant according to VDE 0482 T 265; 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	(4×2,5)	
Outer-Ø	9.6 approx. mm	
Weight	17.3 kg/100 m	
Cu-Index	12.0 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	Conductors black with white number print according to DIN EN 50334
Ground conductor	green/yellow 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 ≥ 85 %
Outer jacket	Full polyurethane jacket, matt, adhesion-free surface
Jacket colour	orange RAL 2003; petrol RAL 5018 upon request

General

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



**HGI insulation,
low capacity**

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LUTZE 
Systematic Technology

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halogenfree

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