

Technical data sheet - LÜTZE SUPERFLEX[®] PLUS M (C) PUR 0.6/1kV

Motor/Power supply cable



PUR c-track cables · For best performance

Identification	Type	(4G50)
	Part-No.	111468

Use/Area of application

Application	<ul style="list-style-type: none"> • Motor connection cable, especially 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	<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 • Low adhesion, abrasion-resistant, nick-resistant, tear-propagation-resistant • Hydrolysis-resistant, microbe-resistant, and rot-resistant • Weathering, ozone and UV resistant (normal lighting conditions) • Good resistance to use and salt water • Excellent coolant and lubricant resistance • Largely resistant to oils, greases, alcohol-free benzines and kerosene (see tech. information) • Free from paint wetting impairment substances (LABS-free), RoHS-compliant

Technical data

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

20.04.2012 – Subject to technical modification

Part-No. 111468

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SYSTEMATIC TECHNOLOGY

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Insulation resistance	min. 500 MΩ × km	
Temperature range	moving	-25 °C to +80 °C
	fixed	-40 °C to +80 °C
Minimum bending radius	moving	D × 10
	fixed	D × 6
Radiation-resistance	5×10 ⁷ cJ/kg	
Fire performance	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	(4G50)	
Outer-∅	33.3 approx. mm	
Weight	244.2 kg/100 m	
Cu-Index	213.0 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/L 1/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 ≥ 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
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Logo

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