

Technical data sheet - LÜTZE SUPERFLEX® PLUS M PUR 0.6/1 kV
Motor/energy supply cable
For highest requirements



PUR motor cables · C-track compatible · unshielded

Identification	Type	4G4
	Part-No.	111372

Use/Application/Characteristics

Application	<ul style="list-style-type: none"> • Motor connection cable, specifically for machine and device construction, transport and conveyor technology • Due to full PUR jacket and TPE / HGI conductor insulation optimally suited for c-tracks, extremely rough operating conditions and aggressive coolants and lubricants • Especially for industrial environments, machines and plants
Characteristics	<ul style="list-style-type: none"> • Very good alternating bending strength • Low adhesion, abrasion-resistant, nick-resistant, tear-propagation-resistant • Hydrolysis-resistant, microbe-resistant, and rot-resistant • Weatherproof, ozone and UV resistant (normal lighting conditions) • Good ruggedness and salt water resistance • Excellent coolant and lubricant resistance • Resistant to most oils, greases, alcohol-free benzines and kerosene • Silicone free • RoHS compliant

Technical data

UL approval	AWM 21223	
Voltage	U ₀ /U	0.6/1 kV

18.06.2015 – Subject to technical modification

Part-No. 111372

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Nominal voltage	1000 V 80 °C
Test voltage	4000 V
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 × 7.5 fixed D × 4
Jacket material	PUR
Radiation-resistance	5×10 ⁷ cJ/kg
Burning behavior	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 EN 50267-2-1
Approvals	UL/CSA/CE UL-VW-1 CSA FT1 IEC 60332-1 Halogen free per DIN EN 50264-1 EN 50267-2-1 EN 60684-2 Oil Res II RoHS
OD Ø	0.425 inches
Weight	156.0 Lbs/Mft
Copper	103 Lbs/Mft

Construction

Number of strands/cross-section	4G4
Conductor structure	Bare copper wire, super finely stranded according to DIN VDE 0295 class 6, IEC 60228 class 6
Conductor insulation	Special TPE/HGI, UL certified
Conductor marking	Conductors black with white print according to DIN EN 50334
Ground conductor	green/yellow according to DIN EN 50334
Stranding	Conductors cabled in layers without mechanical stress, layer pitch optimised
Banding	Fleece wrap over cable core
Outer jacket	Jacket special-PUR, matte, adhesion-free surface
Jacket color	black RAL 9005

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SYSTEMATIC TECHNOLOGY

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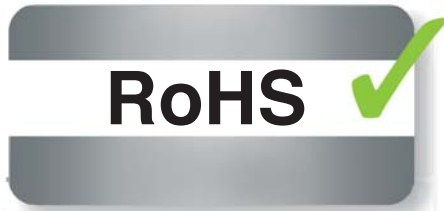
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General

Note

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

Symbols



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