

# Technical data sheet · LÜTZE SUPERFLEX® PLUS PUR 0.6/1kV



PUR motor cables · C-track compatible

<b>Identification</b>	Type	SU+PUR 1G10 UL 1KV GNGE
	Part-No.	111243

<b>Use/Application/Characteristics</b>	
Application	<ul style="list-style-type: none"><li>• Performance conductor, specifically for machine and device engineering, transport and conveyor technology</li><li>• As motor supply or grounding cable</li><li>• Due to full PUR jacket and TPE conductor insulation optimally suited for c-tracks, extremely rough operating conditions and aggressive coolants and lubricants</li><li>• Especially for industrial environments, machines and plants</li></ul>
Characteristics	<ul style="list-style-type: none"><li>• Halogen-free, no corrosive gases</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>• Weatherproof, ozone and UV resistant (normal lighting conditions)</li><li>• Good ruggedness and salt water resistance</li><li>• Excellent coolant and lubricant resistance</li><li>• Resistant to most oils, greases, alcohol-free benzines and kerosene</li><li>• Silicone free</li><li>• RoHS compliant</li></ul>

<b>Construction</b>	
Description	SUPERFLEX+ PUR 0.6/1 kV
Number of conductors/cross-section	1G10
Jacket material	PUR
Jacket color	green-yellow

28.04.2017 – Subject to technical modification

Part-No. 111243

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SYSTEMATIC TECHNOLOGY

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Outer Ø	8.4 mm
Outer Ø	0.331 inches
Surface	adhesion-free matt
Weight	13.8 kg/100 m
Weight	93 Lbs/Mft
Cu-Index	9.3 kg/100 m
Cu-Index	62 Lbs/Mft

### Element 1

Element construction	1G10
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 class 6
Conductor marking	green/yellow
Conductor insulation	Special TPE

### overall construction

Jacket characteristics	Flame-retardant Oil resistant grease-resistant petrol-resistant (alcohol-free) kerosene-resistant Silicone-free Halogen free
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### Technical data

Rated voltage UL	1000 V
Test voltage type	AC 4000 V
Temperature range moving	-25 °C ... +80 °C
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius moving	7.5×D
Minimum bending radius fixed	6×D

### Element 1

Element construction	1G10
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### Approvals/Standards

Approvals	cURus
UL style	AWM 10587

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Conformity	CE RoHS REACH
Burning behavior according to	IEC 60332-1 DIN EN 60332-1-2 VDE 0482 322-1-2 UL 1581 Part 1080 VW-1 UL FT1
Oil resistant according to	UL 4d100C VDE 0282 T 10 DIN EN 60811-2-1
Halogen free according to	DIN EN 60754-1 IEC 60754-1

## General

Note CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU

## Symbols



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