

# Technical data sheet · LÜTZE SUPERFLEX<sup>®</sup> PLUS (C) PUR 0.6/1kV



PUR motor cables · C-track compatible

<b>Identification</b>	Type	SU+(C)PUR (1×50)UL 1KV SW
	Part-No.	111293

## Use/Application/Characteristics

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>

## Construction

Description	SUPERFLEX+ (C) PUR 6.0/1 kV
Number of conductors/cross-section	(1×50)
Jacket material	PUR
Jacket color	black RAL 9005

28.04.2017 – Subject to technical modification

Part-No. 111293

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Outer Ø	15.8 mm
Outer Ø	0.622 inches
Surface	adhesion-free matt
Weight	63.1 kg/100 m
Weight	424 Lbs/Mft
Cu-Index	53.1 kg/100 m
Cu-Index	356 Lbs/Mft

## Element 1

Element construction	1×50)
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 class 6
Conductor insulation	Special TPE

## overall construction

Overall shield	Braid shield Tinned copper wires optical cover approx. 85%
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	1×50)
Insulation resistance at 20°C	200 MΩ×km

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## Approvals/Standards

Approvals	cURus
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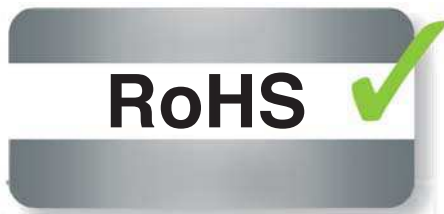
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UL style	AWM 10587 AWM 21223
Conformity	CE RoHS REACH
Burning behavior according to	VDE 0482 Part 265-2 DIN EN 50265-2 IEC 60332-1 UL FT1 UL 1581 Part 1080 VW-1
Halogen free according to	DIN EN 60754-1 IEC 60754-1

## General

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

## Symbols



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