

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



PUR motor cables · C-track compatible

Identification	Type	SU+PUR 1×50 UL 1KV SW
	Part-No.	111130

Use/Application/Characteristics

Application	<ul style="list-style-type: none">• Performance conductor, specifically for machine and device engineering, transport and conveyor technology• As motor supply or grounding cable• Due to full PUR jacket and TPE 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">• Halogen-free, no corrosive gases• 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

Construction

Description	SUPERFLEX+ PUR 0.6/1 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. 111130

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SYSTEMATIC TECHNOLOGY

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Outer Ø	15.2 mm
Outer Ø	0.598 inches
Surface	adhesion-free matt
Weight	57.2 kg/100 m
Weight	384 Lbs/Mft
Cu-Index	47.8 kg/100 m
Cu-Index	321 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 marking	black
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	1×50
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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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