

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



PUR motor cables - C-track compatible

Identification	Type	SU+(C)PUR (1×10)UL 1kV SW
	Part-No.	111289

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 [®] PLUS (C) PUR 0.6/1 kV
Number of conductors/cross-section	(1×10)
Jacket material	PUR
Jacket color	black RAL 9005

14.08.2018 – Subject to technical modification

Part-No. 111289

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SYSTEMATIC TECHNOLOGY

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Outer Ø	9 mm
Outer Ø	0.354 inches
Surface	adhesion-free matt
Weight	17.1 kg/100 m
Weight	115 Lbs/Mft
Cu-Index	12.1 kg/100 m
Cu-Index	81 Lbs/Mft

Element 1

Element construction	(1×10)
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

Technical data

Rated voltage	1000 V
Test voltage type	AC 3000 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	4×D

Element 1

Element construction	(1×10)
Insulation resistance at 20 °C	200 MΩ×km
Operating capacitance wire-shield	455 pF/m

Approvals/Standards

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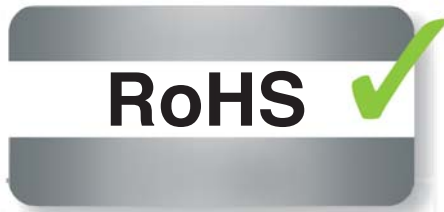
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Approvals	cURus
UL style	AWM 10587
Conformity	CE RoHS REACH
Burning behavior according to	IEC 60332-1 DIN EN 60332-1-2 VDE 0482 322-1-2 UL FT1 UL 1581 cable flame
Halogen free according to	DIN EN 60754-1 IEC 60754-1

General

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

Symbols



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