

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



PUR motor cables · C-track compatible

Identification	Type	SU+(C)PUR (1×35)UL 1KV SW
	Part-No.	111292

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+ (C) PUR 6.0/1 kV
Number of conductors/cross-section	(1×35)
Jacket material	PUR
Jacket color	black RAL 9005

28.04.2017 – Subject to technical modification

Part-No. 111292

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Outer Ø	14 mm
Outer Ø	0.551 inches
Surface	adhesion-free matt
Weight	48.1 kg/100 m
Weight	323 Lbs/Mft
Cu-Index	37.3 kg/100 m
Cu-Index	250 Lbs/Mft

Element 1

Element construction	(1×35)
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 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	(1×35)
Insulation resistance at 20°C	200 MΩ×km

Approvals/Standards

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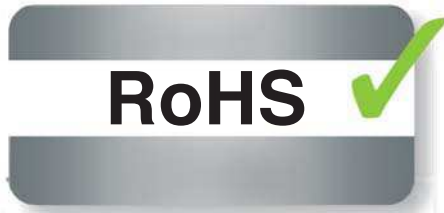
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UL style	AWM 10587 AWM 21223
Conformity	CE RoHS REACH
Burning behavior according to	VDE 0482 Part 265-2 DIN EN 50265-2 IEC 60332-1 UL FT1 UL 1581 Part 1080 VW-1
Halogen free according to	DIN EN 60754-1 IEC 60754-1

General

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

Symbols



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