

# Technical data sheet · LÜTZE SUPERFLEX<sup>®</sup> TRONIC AS (C) PUR, shielded

## For highest requirements



PUR actuator-sensor cables · C-track suitable

<b>Identification</b>	Type	SU TR AS(C)PUR(3×0,25) UL
	Part-No.	117250

### Use/Application/Characteristics

Application	<ul style="list-style-type: none"> <li>• Connecting cable for the actuator-sensor technology</li> <li>• For continuous flexible use e.g. in c-tracks or free movement in the automation technology, transport and conveyor technology, machine tool manufacture</li> <li>• PUR jacket optimally suited for rough operating conditions and aggressive coolants and lubricants</li> </ul>
Characteristics	<ul style="list-style-type: none"> <li>• Very good alternating bending strength</li> <li>• High active and passive interference resistance (EMC)</li> <li>• Good pressure and roll-over resistance</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 resistance to use and salt water</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>• Halogen free</li> <li>• RoHS compliant</li> </ul>

### Construction

Description	SUPERFLEX TRONIC AS (C) PUR
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28.04.2017 – Subject to technical modification

Part-No. 117250

USA: LUTZE INC.

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SYSTEMATIC TECHNOLOGY

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Number of conductors/cross-section	(3×0.25)
Jacket material	PUR
Jacket color	black RAL 9005
Outer Ø	4.6 mm
Outer Ø	0.181 inches
Surface	adhesion-free matt
Weight	2.8 kg/100 m
Weight	19 Lbs/Mft
Cu-Index	1.7 kg/100 m
Cu-Index	11 Lbs/Mft

### Element 1

Element construction	(3×0.25)
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 class 6
Conductor marking	brown blue black
Conductor marking standard	EN 60947-5-2
Conductor insulation	Special TPE

### overall construction

Overall stranding	Conductors stranded layers layer pitch optimised Conductors twisted without mechanical stress
Overall wrapping	Non-woven material
Overall shield	Braid shield Tinned copper wires optical cover approx. 85%

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Jacket characteristics	low-adhesion abrasion resistant tough tear resistant hydrolysis-resistant microbe resistant rot-resistant Weather resistant ozone-resistant UV resistant (normal lighting conditions) service water-resistant salt water-resistant coolant-resistant lubricant-resistant Oil resistant grease-resistant petrol-resistant (alcohol-free) kerosene-resistant Silicone-free Halogen free
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### Technical data

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Rated voltage UL	300 V
Test voltage type	AC 3000 V
Temperature according to UL	80 °C
Temperature range moving	-20 °C ... +80 °C
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius moving	12×D
Minimum bending radius fixed	6×D

### Element 1

Element construction	(3×0.25)
Insulation resistance at 20°C	100 MΩ×km

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### Approvals/Standards

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Approvals	cURus
UL style	AWM 20549
Conformity	CE RoHS REACH
Burning behavior according to	DIN EN 60332-2-2 UL 1581 Horizontal Flame Test UL FT2

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Oil resistant according to  
Halogen free according to

DIN EN 60811-2-1  
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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