

# Technical data sheet · LÜTZE SUPERFLEX<sup>®</sup> TRONIC AS PUR, unshielded

## For highest requirements



PUR actuator-sensor cables · c-track suitable

<b>Identification</b>	Type	SU TR AS PUR 3×0,25 UL
	Part-No.	117240

### 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>• Good pressure and roll-over resistance</li> <li>• Low adhesion, Abrasion-resistant, Tear 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>• Halogen free</li> <li>• RoHS-compliant</li> </ul>

### Construction

Description	SUPERFLEX TRONIC AS PUR
Number of conductors/cross-section	3×0.25

28.04.2017 – Subject to technical modification

Part-No. 117240

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Jacket material	PUR
Jacket color	black RAL 9005
Outer Ø	4 mm
Outer Ø	0.158 inches
Surface	adhesion-free matt
Weight	1.9 kg/100 m
Weight	13 Lbs/Mft
Cu-Index	0.8 kg/100 m
Cu-Index	5 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
Jacket characteristics	Flame-retardant 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	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	8×D

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Minimum bending radius fixed 4×D

### Element 1

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

### Approvals/Standards

Approvals	cURus
UL style	AWM 20549
Conformity	CE RoHS
Burning behavior according to	DIN EN 60332-2-2 Horizontal Flame Test UL FT2 UL 1581
Oil resistant according to	DIN EN 60811-404
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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