

# 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 5×0,34 UL
	Part-No.	117245

### 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	5×0.34

28.04.2017 – Subject to technical modification

Part-No. 117245

USA: LUTZE INC.

13330 South Ridge Drive · Charlotte, NC 28273, USA  
 Tel. +1 (704) 504-0222 · Fax +1 (704) 504-0223  
 www.lutze.com · info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park  
 Sandy Way, Amington · GB-Tamworth, Staffs B77 4DU  
 Tel. +44 (0)1827 31333-0 · Fax +44 (0)1827 31333-2  
 www.lutze.com · sales.gb@lutze.co.uk



SYSTEMATIC TECHNOLOGY

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

## For highest requirements

---

Jacket material	PUR
Jacket color	black RAL 9005
Outer Ø	4.9 mm
Outer Ø	0.193 inches
Surface	adhesion-free matt
Weight	3.2 kg/100 m
Weight	22 Lbs/Mft
Cu-Index	1.7 kg/100 m
Cu-Index	11 Lbs/Mft

### Element 1

Element construction	5×0.34
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 class 6
Conductor marking	brown white blue black grey
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

---

### Technical data

---

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

28.04.2017 – Subject to technical modification

Part-No. 117245

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA

Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223

www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park

Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU

Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2

www.lutze.com • sales.gb@lutze.co.uk



SYSTEMATIC TECHNOLOGY

# Technical data sheet · LÜTZE SUPERFLEX® TRONIC AS PUR, unshielded

## For highest requirements

Minimum bending radius moving	8×D
Minimum bending radius fixed	4×D

### Element 1

Element construction	5×0.34
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



28.04.2017 – Subject to technical modification

Part-No. 117245

USA: LUTZE INC.  
13330 South Ridge Drive • Charlotte, NC 28273, USA  
Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223  
www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.  
Unit 3, Sandy Hill Park  
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU  
Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2  
www.lutze.com • sales.gb@lutze.co.uk