

Technical data sheet · LÜTZE SUPERFLEX[®] TRONIC AS (C) PUR, shielded

For highest requirements



PUR actuator-sensor cables · C-track suitable

Identification	Type	SU TR AS(C)PUR(4×0,25) UL
	Part-No.	117251

Use/Application/Characteristics

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

Construction

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

Part-No. 117251

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

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SYSTEMATIC TECHNOLOGY

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Number of conductors/cross-section	(4×0.25)
Jacket material	PUR
Jacket color	black RAL 9005
Outer Ø	4.9 mm
Outer Ø	0.193 inches
Surface	adhesion-free matt
Weight	3.3 kg/100 m
Weight	22 Lbs/Mft
Cu-Index	2 kg/100 m
Cu-Index	13 Lbs/Mft

Element 1

Element construction	(4×0.25)
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 class 6
Conductor marking	brown white 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

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	(4×0.25)
Insulation resistance at 20°C	100 MΩ×km

Approvals/Standards

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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