

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

For highest requirements



PUR actuator-sensor cables · c-track suitable

Identification	Type	SU TR AS PUR 8×0,25 UL
	Part-No.	117242

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 • Good pressure and roll-over resistance • Low adhesion, Abrasion-resistant, Tear 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 • Halogen free • RoHS-compliant

Construction

Description	SUPERFLEX TRONIC AS PUR
Number of conductors/cross-section	8×0.25

28.04.2017 – Subject to technical modification

Part-No. 117242

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

Jacket material	PUR
Jacket color	black RAL 9005
Outer Ø	5.9 mm
Outer Ø	0.232 inches
Surface	adhesion-free matt
Weight	4.1 kg/100 m
Weight	28 Lbs/Mft
Cu-Index	2.1 kg/100 m
Cu-Index	14 Lbs/Mft

Element 1

Element construction	8×0.25
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 class 6
Conductor marking	white brown green yellow grey pink blue red
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

28.04.2017 – Subject to technical modification

Part-No. 117242

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

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
Minimum bending radius fixed	4×D

Element 1

Element construction	8×0.25
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



28.04.2017 – Subject to technical modification

Part-No. 117242

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