

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

For highest requirements



PUR actuator-sensor cables · c-track suitable

Identification	Type	SU AS P KO 3G1,0+8×0,34 UL
	Part-No.	110872

Use/Application/Characteristics

Application	• 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	• 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	3G1.0+8×0.34

28.04.2017 – Subject to technical modification

Part-No. 110872

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Jacket material	PUR
Jacket color	black RAL 9005
Outer Ø	8.2 mm
Outer Ø	0.323 inches
Surface	adhesion-free matt
Weight	9.9 kg/100 m
Weight	67 Lbs/Mft
Cu-Index	5.5 kg/100 m
Cu-Index	37 Lbs/Mft

Element 1

Element construction	3G1.0
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 class 6
Conductor marking	brown blue green/yellow
Conductor marking standard	EN 60947-5-2
Conductor insulation	Special TPE

Element 2

Element construction	8×0.34
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 class 6
Conductor marking	white black green yellow grey pink violet red
Conductor marking standard	EN 60947-5-2
Conductor insulation	Special TPE

overall construction

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SYSTEMATIC TECHNOLOGY

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

Element 1

Element construction	3G1.0
Insulation resistance at 20°C	100 MΩ×km

Element 2

Element construction	8×0.34
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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
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Symbols



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