

Technical data sheet · LÜTZE SUPERFLEX[®] TRONIC PUR
Unshielded electronic cable UL recognized
For highest requirements



PUR electronic cables · C-track compatible · Unshielded

Identification	Type	SU TR PUR 3×0,14
	Part-No.	117031

Use/Application/Characteristics

Application	<ul style="list-style-type: none"> • Robots, drag chains as well as everywhere where signals are transmitted to continuously moving system or machine parts • Machine and device construction, transport and conveyor technology, heating, climate technology • In dry and damp rooms • As monitoring, measurement and control cable for continuous flexing applications
Characteristics	<ul style="list-style-type: none"> • Low capacitance, very good electrical properties • Flame-retardant, self-extinguishing • Halogen-free, no corrosive gases • Very good flexing strength • Low adhesion, abrasion-resistant, nick-resistant, tear resistant • Hydrolysis-resistant, microbe-resistant, and rot-resistant • Good ruggedness and salt water resistance • Excellent coolant and lubricant resistance • Resistant to most oils, greases, alcohol-free benzines and kerosene • Silicone free • RoHS-compliant

Construction

27.01.2017 – Subject to technical modification

Part-No. 117031

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SYSTEMATIC TECHNOLOGY

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Description	SUPERFLEX TRONIC PUR
Number of conductors/cross-section	3×0.14
Jacket material	PUR
Jacket color	grey RAL 7001
Outer Ø	3.7 mm
Surface	adhesion-free matt
Weight	1.6 kg/100 m
Cu-Index	0.4 kg/100 m

Element 1

Element construction	3×0,14
Conductor	CU-wire bare
Conductor category	DIN EN 60228, class 6 Superfinely stranded DIN VDE 0295 DIN EN 13602
Conductor marking	Colour coded
Conductor marking standard	DIN 47100
Conductor insulation	Special TPE

overall construction

Overall stranding	Conductors stranded layers schlaglängenoptimiert Conductors twisted without mechanical stress
Overall wrapping	Non-woven material
Jacket characteristics	Flame-retardant self-extinguishing Halogen free Oil resistant grease-resistant petrol-resistant (alcohol-free) kerosene-resistant Silicone-free

Technical data

Rated voltage	300 V
Test voltage type	AC 3000 V
Temperature according to UL	80 °C
Temperature range moving	-25 °C ... +80 °C
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius moving	10×D

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Minimum bending radius fixed 4×D

Element 1

Element construction 3×0,14
 Insulation resistance at 20°C 1000.0 MΩ×km

Approvals/Standards

Approvals	UR
UL style	AWM 20549
Conformity	CE RoHS
Burning behavior	DIN EN 60332-2-2 UL 1581 Horizontal Flame Test
Oil resistant according to	DIN EN 60811-404
Halogen free according to	IEC 60754-1 DIN EN 60754-1

General

Note CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU

Symbols



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