

**Technical data sheet · LÜTZE SUPERFLEX<sup>®</sup> TRONIC (C) PUR**  
**Shielded electronic cable UL recognized**  
**For highest requirements**



PUR electronic cables · C-track compatible · Shielded

<b>Identification</b>	Type	SU TR (C) PUR (10×0,34)
	Part-No.	117113

**Use/Application/Properties**

Application	<ul style="list-style-type: none"> <li>• C-track as well as everywhere where signals are transmitted to continuously moving system or machine parts</li> <li>• Machine and device construction, transport and conveyor technology, heating, climate technology</li> <li>• In dry and damp rooms</li> <li>• As monitoring, measurement and control cable for continuous flexing applications</li> <li>• Especially for industrial environments with high EMI potential in machine, plant and device construction</li> </ul>
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17.04.2020 – Subject to technical modification

Part-No. 117113

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SYSTEMATIC TECHNOLOGY

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Properties	<ul style="list-style-type: none"> <li>• High active and passive interference resistance (EMC)</li> <li>• Braided shield optimised for continuous flexing applications</li> <li>• Low capacitance, very good electrical properties</li> <li>• Flame-retardant, self-extinguishing</li> <li>• Halogen-free, no corrosive gases</li> <li>• Very good alternating bending strength</li> <li>• Low adhesion, abrasion-resistant, nick-resistant, tear resistant</li> <li>• Hydrolysis-resistant, microbe-resistant, and rot-resistant</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>• RoHS-compliant</li> </ul>
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#### Construction

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Description	SUPERFLEX <sup>®</sup> TRONIC (C) PUR
Number of conductors/cross-section	(10×0.34)
Cross-section AWG	AWG 22
Cross-section, metric	0.34 mm <sup>2</sup>
Jacket material	PUR
Jacket color	grey RAL 7001
Outer Ø	7.3 mm
Outer Ø	0.287 inch
Surface	adhesion-free matt
Weight	7.2 kg/100 m
Weight	50 Lbs/Mft
Cu-Index	5 kg/100 m
Cu-Index	34 Lbs/Mft

#### Element 1

Element construction	(10×0.34)
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 class 6
Conductor marking	Color coded
Conductor marking standard	DIN 47100
Conductor insulation	Special TPE

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#### overall construction

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Overall stranding	conductors layered construction layer pitch optimised conductors twisted without mechanical stress
Overall wrapping	Fleece taping
Overall shield	braid shield tinned copper wires optical cover approx. 85%
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 V
Test voltage type	AC 1500 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	12×D
Minimum bending radius fixed	6×D

#### Element 1

Element construction	(10×0.34)
Insulation resistance at 20 °C	1000 MΩ×km

#### Certifications/Standards

Certifications	cURus
UL style	AWM 20549
Conformity	CE RoHS
Burning behavior according to	IEC 60332-2-2 DIN EN 60332-2-2 UL 1581 Horizontal Flame Test UL FT2
Oil resistant according to	DIN EN 60811-404
Halogen free according to	IEC 60754-1 DIN EN 60754-1

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## Shielded electronic cable UL recognized

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UV-resistant according to

UL 1581/2556-300h

#### General

Note

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

#### Logo



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