

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

Shielded electronic cable UL recognized

For highest requirements



PUR electronic cables · C-track compatible · Shielded

Identification	Type	SU TR(C)PUR(25×0,14)
	Part-No.	117098

Use/Application/Characteristics

Application

- 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
- Especially for industrial environments with high EMI potential in machine, plant and device construction

27.01.2017 – Subject to technical modification

Part-No. 117098

USA: LUTZE INC.

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Characteristics	<ul style="list-style-type: none"> • High active and passive interference resistance (EMC) • Braided shield optimized for continuous flexing applications • Low capacitance, very good electrical properties • Flame-retardant, self-extinguishing • Halogen-free, no corrosive gases • Very good flexing strength • Low adhesion, Abrasion-resistant, Tear resistant • Hydrolysis-resistant, microbe-resistant, and rot-resistant • Good resistance to wear and salt water • Excellent coolant and lubricant resistance • Largely resistant to oils, greases, alcohol-free benzines and kerosene • Silicone free • RoHS-compliant
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Construction

Description	SUPERFLEX TRONIC (C) PUR
Number of conductors/cross-section	(25×0.14)
Jacket material	PUR
Jacket color	grey RAL 7001
Outer Ø	8.5 mm
Surface	adhesion-free matt
Weight	9.4 kg/100 m
Cu-Index	5.6 kg/100 m

Element 1

Element construction	(25×0,14)
Conductor	CU-wire bare
Conductor category	DIN EN 60228, class 6 DIN EN 13602 Superfinely stranded DIN VDE 0295
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

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SYSTEMATIC TECHNOLOGY

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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
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	12×D
Minimum bending radius fixed	6×D

Element 1

Element construction	(25×0,14)
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
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Symbols

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