

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

Shielded electronic cable UL recognized, paired

For highest requirements



PUR electronic cables · C-track compatible ·
Shielded

Identification	Type	SU TR (C) PUR TP (12×2×0,25)
	Part-No.	117176

Use/Application/Properties

Application	• C-track 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
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17.04.2020 – Subject to technical modification

Part-No. 117176

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Properties	• High active and passive interference resistance (EMC) • High crosstalk attenuation due to twisted pairs • Braided shield optimised for continuous flexing applications • Low capacitance, very good electrical properties • Flame-retardant, self-extinguishing • Halogen-free, no corrosive gases • Very good alternating bending 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
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Construction

Description	SUPERFLEX® TRONIC (C) PUR TP
Number of conductors/cross-section	(12×2×0.25)
Cross-section AWG	AWG 24
Cross-section, metric	0.25 mm²
Jacket material	PUR
Jacket color	grey RAL 7001
Outer Ø	10.8 mm
Outer Ø	0.425 inch
Surface	adhesion-free matt
Weight	14.1 kg/100 m
Weight	132.7 Lbs/Mft
Cu-Index	9.1 kg/100 m
Cu-Index	61 Lbs/Mft

Element 1

Element construction	(12×2×0.25)
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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SYSTEMATIC TECHNOLOGY

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overall construction

Overall stranding	stranded pairs 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	(12×2×0.25)
Insulation resistance at 20 °C	1000 MΩ×km

Certifications/Standards

Certifications	cURus
Conformity	CE RoHS
Burning behavior according to	IEC 60332-2-2 DIN EN 60332-2-2 UL 1581 UL Horizontal Flame Test UL FT2
Oil resistant according to	DIN EN 50363-10-2
Halogen free according to	IEC 60754-1 DIN EN 60754-1

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UV-resistant according to

UL 1581/2556-300h

General

Note

UL AWM Style 20233 or UL AWM Style 20549

Note

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

Logo



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