

Technical data sheet · LÜTZE SUPERFLEX® PLUS (C) PUR FEEDBACK

Feedback cables for various systems

For highest requirements in drive technology



PUR feedback cables · C-track compatible

Identification	Type	SU+(C)P TP SE(3×(2×0,25))UL 300V GN
	Part-No.	111778

Use/Application/Characteristics

Application	<ul style="list-style-type: none"> • Incremental encoder cable, connection cable for tacho sensor, brake sensor, speed sensor • Due to Full PUR jacket and TPE conductor insulation optimally suited for c-tracks, extremely rough operating conditions and aggressive coolants and lubricants • Especially for industrial environments in mechanical and system engineering
Characteristics	<ul style="list-style-type: none"> • High active and passive interference resistance (EMC) • Braided shield optimised for continuous flexible use • Very good alternating bending strength • Low adhesion, abrasion-resistant, nick-resistant, tear-propagation-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 • RoHS compliant

Construction

Description	.
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17.02.2017 – Subject to technical modification

Part-No. 111778

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SYSTEMATIC TECHNOLOGY

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Number of conductors/cross-section	(3×(2×0,25))
Jacket material	PUR
Jacket color	green RAL 6018
Outer Ø	9.6 mm
Outer Ø	0.378 inches
Surface	adhesion-free matt
Weight	13.6 kg/100 m
Weight	91 Lbs/Mft
Cu-Index	6.9 kg/100 m
Cu-Index	46 Lbs/Mft

Element 1

Element construction	(3×(2×0,25))
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 Klasse 6
Conductor marking standard	DIN 47100
Conductor insulation	Special TPE

overall construction

Overall stranding	stranded pairs schlaglängenoptimiert Conductors twisted without mechanical stress
Overall wrapping	Non-woven material
Overall shield	Braid shield Tinned copper wires optical cover approx. 85%
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 2000 V
Temperature range moving	-25 °C ... +80 °C

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Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius moving	12×D
Minimum bending radius fixed	6×D

Element 1

Element construction	(3×(2×0,25))
Insulation resistance at 20°C	200.0 MΩ×km

Element 2

Insulation resistance at 20 °C	200.0 MΩ×km
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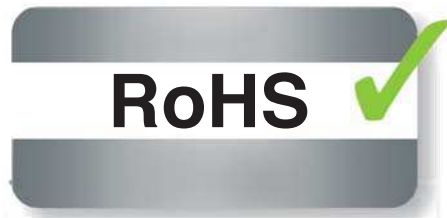
Approvals/Standards

Approvals	cURus
UL style	AWM 20233
Conformity	CE RoHS
Burning behavior	IEC 60332-1 DIN EN 60332-1-2 VDE 0482 322-1-2 UL 1581 Part 1080 VW-1 UL FT1
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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