

# 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

<b>Identification</b>	Type	SU+(C)P TP SE(4×(2×0,25))UL 300V GN
	Part-No.	111779

#### Use/Application/Characteristics

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

#### Construction

Description	.
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17.02.2017 – Subject to technical modification

Part-No. 111779

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Number of conductors/cross-section	(4×(2×0,25))
Jacket material	PUR
Jacket color	green RAL 6018
Outer Ø	10.2 mm
Outer Ø	0.402 inches
Surface	adhesion-free matt
Weight	18.1 kg/100 m
Weight	122 Lbs/Mft
Cu-Index	9.5 kg/100 m
Cu-Index	64 Lbs/Mft

#### Element 1

Element construction	(4×(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

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#### 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	(4×(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

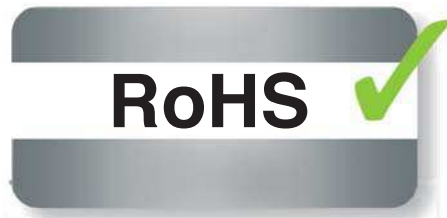
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#### General

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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