

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

## Feedback cables for Bosch-Rexroth and other systems

### For highest requirements in drive technology



PUR feedback cables · C-track compatible

<b>Identification</b>	Type	SU+(C)P SE(4×1,0+4×2×0,14+(4×0,14))UL 300V OR
	Part-No.	111495
INK Description*	INK-0532*	

#### Use/Application/Characteristics

Application	<ul style="list-style-type: none"> <li>• Incremental encoder cable, connection cable for tachometer, 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>

17.02.2017 – Subject to technical modification

Part-No. 111495

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#### Construction

Description	SUPERFLEX+ (C) PUR FEEDBACK BOSCH-REX.
Number of conductors/cross-section	(4×1.0+4×2×0.14+(4×0.14))
Jacket material	PUR
Jacket color	orange RAL 2003
Outer Ø	9.5 mm
Outer Ø	0.374 inches
Surface	adhesion-free matt
Weight	13.7 kg/100 m
Weight	92 Lbs/Mft
Cu-Index	9.6 kg/100 m
Cu-Index	65 Lbs/Mft

#### Element 1

Element construction	4×1.0
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 Klasse 6
Conductor marking	blue white/green brown/green white
Conductor insulation	Special TPE
Stranding	Conductors twisted without mechanical stress layer pitch optimised

#### Element 2

Element construction	4×2×0.14
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 Klasse 6

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SYSTEMATIC TECHNOLOGY

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Conductor marking	grey pink yellow violet green brown red black
Conductor insulation	Special TPE
Stranding	Conductors stranded in pairs layer pitch optimised Conductors twisted without mechanical stress

#### Element 3

Element construction	(4×0.14)
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 Klasse 6
Conductor marking	green/black blue/black yellow/black red/black
Conductor insulation	Special TPE
Stranding	layer pitch optimised Conductors twisted without mechanical stress

#### Element 4

Conductor insulation	Special TPE
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#### overall construction

Overall stranding	Elements stranded together
Overall wrapping	Non-woven material
Overall shield	Braid shield Tinned copper wires optical cover approx. 85%

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Jacket characteristics	Flame-retardant Oil resistant grease-resistant petrol-resistant (alcohol-free) kerosene-resistant Silicone-free Halogen free
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#### Technical data

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Rated voltage	300 V
Test voltage type	AC 2000 V
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	4×1.0
Insulation resistance at 20°C	200.0 MΩ×km

#### Element 2

Element construction	4×2×0.14
Insulation resistance at 20 °C	200.0 MΩ×km

#### Element 3

Element construction	(4×0.14)
Insulation resistance 20 °C	200.0 MΩ×km

#### Approvals/Standards

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Approvals	cURus
UL style	AWM 20233
Conformity	CE RoHS REACH
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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