

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

Identification	Type	SU+(C)P SE(2×0,5+2×2×0,25)UL 300V OR
	Part-No.	111781
INK Description*	INK-0750*	

Use/Application/Characteristics

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

17.02.2017 – Subject to technical modification

Part-No. 111781

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Construction

Description	SUPERFLEX+ (C) PUR FEEDBACK BOSCH-REX.
Number of conductors/cross-section	(2×2×0.25+2×0.5)
Jacket material	PUR
Jacket color	orange RAL 2003
Outer Ø	7.6 mm
Outer Ø	0.299 inches
Surface	adhesion-free matt
Weight	9 kg/100 m
Weight	60 Lbs/Mft
Cu-Index	4.2 kg/100 m
Cu-Index	28 Lbs/Mft

Element 1

Element construction	2×0.5
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 Klasse 6
Conductor marking	red black grey pink
Conductor insulation	Special TPE
Stranding	Conductors stranded in pairs Conductors twisted without mechanical stress layer pitch optimised

Element 2

Element construction	2×2×0.25
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 Klasse 6
Conductor marking	white brown
Conductor insulation	Special TPE
Stranding	Conductors twisted without mechanical stress layer pitch optimised

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SYSTEMATIC TECHNOLOGY

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

Element 1

Element construction	2×0.5
Insulation resistance at 20°C	200.0 MΩ×km

Element 2

Element construction	2×2×0.25
Insulation resistance at 20 °C	200.0 MΩ×km

Approvals/Standards

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

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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

Symbols



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