

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+4×2×0,25)UL 300V OR
	Part-No.	111780
INK Description*	INK-0448*	

Use/Application/Characteristics

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

17.02.2017 – Subject to technical modification

Part-No. 111780

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA
Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223
www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU
Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2
www.lutze.com • sales.gb@lutze.co.uk

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

Feedback cables for Bosch-Rexroth and other systems

For highest requirements in drive technology

Construction

Description	SUPERFLEX+ (C) PUR FEEDBACK BOSCH-REX.
Number of conductors/cross-section	(2×0.5+4×2×0.25)
Jacket material	PUR
Jacket color	orange RAL 2003
Outer Ø	8.7 mm
Outer Ø	0.343 inches
Surface	adhesion-free matt
Weight	10 kg/100 m
Weight	67 Lbs/Mft
Cu-Index	5.9 kg/100 m
Cu-Index	40 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	white brown
Conductor insulation	Special TPE
Stranding	Conductors twisted without mechanical stress layer pitch optimised

Element 2

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	brown green grey pink blue violet red black
Conductor insulation	Special TPE

17.02.2017 – Subject to technical modification

Part-No. 111780

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA
Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223
www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU
Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2
www.lutze.com • sales.gb@lutze.co.uk



SYSTEMATIC TECHNOLOGY

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

Feedback cables for Bosch-Rexroth and other systems

For highest requirements in drive technology

Stranding	Conductors stranded in pairs layer pitch optimised Conductors twisted without mechanical stress
-----------	---

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	4×2×0.25
Insulation resistance at 20 °C	200.0 MΩ×km

Approvals/Standards

Approvals	cURus
UL style	AWM 20233
Conformity	CE RoHS REACH

17.02.2017 – Subject to technical modification

Part-No. 111780

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA
Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223
www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU
Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2
www.lutze.com • sales.gb@lutze.co.uk



SYSTEMATIC TECHNOLOGY

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

Feedback cables for Bosch-Rexroth and other systems

For highest requirements in drive technology

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

Symbols



17.02.2017 – Subject to technical modification

Part-No. 111780

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA
Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223
www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU
Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2
www.lutze.com • sales.gb@lutze.co.uk



SYSTEMATIC TECHNOLOGY