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 · shielded

Identification	Type	SU+ (C) PUR FB (2×1,0+4×2×0,25)
	Part-No.	110941
INK Description*	INK-0209*	

Use/Application/Characteristics

Application	• 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	• 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

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

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Description	SUPERFLEX® PLUS (C) PUR FEEDBACK
Number of conductors/cross-section	(2×1.0+4×2×0.25)
Jacket material	PUR
Jacket color	orange RAL 2003
Outer ∅	8.9 mm
Outer ∅	0.35 inch
Surface	adhesion-free matt
Weight	12 kg/100 m
Weight	81 Lbs/Mft
Cu-Index	6.4 kg/100 m
Cu-Index	43 Lbs/Mft

Element 1

Element construction	2×1.0
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 class 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 class 6
Conductor marking	brown green grey pink red black blue violet
Conductor insulation	Special TPE

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Stranding	conductors stranded in pairs layer pitch optimised conductors twisted without mechanical stress

overall construction	
Overall stranding	layered construction around core elements stranded together layer pitch optimised conductors twisted without mechanical stress
Overall wrapping	Fleece taping
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 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	5×D
Travel distance	≤2,5 m

Element 1	
Element construction	2×1.0
Insulation resistance at 20 °C	200 MΩ×km
Operating capacitance wire-wire	75 pF/m
Operating capacitance wire-shield	135 pF/m

Element 2	
Element construction	4×2×0.25
Insulation resistance at 20 °C	200 MΩ×km
Operating capacitance wire-wire	57 pF/m
Operating capacitance wire-shield	103 pF/m

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Certifications/Standards	
Certifications	cURus
UL style	AWM 20233
Conformity	CE RoHS REACH
Burning behavior according to	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 * Indramat article designations are registered trademarks

Symbols

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