

**Technical data sheet · LÜTZE SUPERFLEX® PLUS M (C) PUR SERVO 0.6/1 kV**  
**Supply line for Bosch Rexroth and other systems**  
**For highest requirements**



**PVC servo cables · C-track compatible · shielded**

<b>Identification</b>	Type	SU+M(C)P SE(4G1,0+2×(2×0,75))UL 1KV OR
	Part-No.	111270
INK Description*	INK 0653	

**Use/Application/Characteristics**

Application	<ul style="list-style-type: none"> <li>• For Indramat* system (and similar)</li> <li>• Connection cable motor/brake especially for frequency converters and SERVO drives in machine and plant construction, transport and conveyor technology</li> <li>• Due to Full PUR jacket and TPE / HGI 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>
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28.04.2017 – Subject to technical modification

Part-No. 111270

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SYSTEMATIC TECHNOLOGY

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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>
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#### Construction

Description	SUPERFLEX+ M (C) PUR SERVO BOSCH-REXROTH
Number of conductors/cross-section	(4G1.0+2×(2×0.75))
Jacket material	PUR
Jacket color	orange RAL 2003
Outer Ø	12.5 mm
Outer Ø	0.492 inches
Surface	adhesion-free matt
Weight	23.2 kg/100 m
Weight	155 Lbs/Mft
Cu-Index	13.8 kg/100 m
Cu-Index	93 Lbs/Mft

#### Element 1

Element construction	4G1
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 class 6
Conductor marking	black with white number print green/yellow
Conductor marking standard	DIN EN 50334
Conductor insulation	Special TPE

#### Element 2

Element construction	2×(2×0.75)
Conductor	CU-wire bare

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Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 class 6
Conductor marking	black with white number print
Conductor insulation	Special TPE
Stranding	Conductors stranded in pairs layer pitch optimised Conductors twisted without mechanical stress
Wrapping	Foil taping
Element shielding	Braid shield

#### 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

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#### Technical data

Rated voltage $U_0/U$	600/1000 V
Rated voltage UL	1000 V
Test voltage type	AC 4000 V
Temperature range moving	-25 °C ... +80 °C
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius moving	10×D
Minimum bending radius fixed	6×D

#### Element 1

Element construction	4G1
Insulation resistance at 20°C	500 MΩ×km

#### Element 2

Element construction	2×(2×0.75)
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#### Approvals/Standards

Approvals	UR
UL style	AWM 21223
Conformity	CE RoHS REACH
Burning behavior according to	IEC 60332-1-2 DIN EN 60332-1-2 UL 1581 UL C22.2 No. 210.2 Flame Rating 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



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