

# Technical data sheet · LÜTZE SILFLEX® N (C) PVC MULTINORM

## With approvals for Europe and North America

PVC control cables · shielded



<b>Identification</b>	Type	SI N(C)PVC(12G1,5)MN
	Part-No.	109835

### Use/Application/Characteristics

Application	<ul style="list-style-type: none"> <li>• Machine and device construction, transport and conveyor technology, HVAC technology</li> <li>• In dry and damp rooms</li> <li>• As a monitoring, measurement and control cable for industrial applications</li> <li>• For flexible application without continuous flexing</li> <li>• Anywhere where electrical interference fields can influence the signal transmission</li> </ul>
Characteristics	<ul style="list-style-type: none"> <li>• Certified as component cable for use in North America</li> <li>• Easy stripping and fast installation</li> <li>• High flexibility for complex installation distances and small bending radii</li> <li>• Improved oil resistance due to specifically developed PVC jacket</li> <li>• Resistant to many oils, coolants and solvents</li> <li>• Hydrolysis and microbe resistant</li> <li>• Silicone free</li> <li>• RoHS-compliant</li> </ul>

### Construction

Description	Silflex N (C) PVC MULTINORM
Number of conductors/cross-section	(12G1.5)
Jacket material	Special PVC
Jacket color	grey RAL 7001

16.02.2017 – Subject to technical modification

Part-No. 109835

USA: LUTZE INC.

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SYSTEMATIC TECHNOLOGY

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Outer Ø	12.3 mm
Weight	32.2 kg/100 m
Cu-Index	21.3 kg/100 m

### Element 1

Element construction	(12G1,5)
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 5 Finely stranded DIN VDE 0295 Klasse 5
Conductor marking	black with white number print green/yellow
Conductor insulation	Special PVC
Conductor insulation standard	UL 1581

### overall construction

Overall stranding	stranded layers
Overall wrapping	Non-woven material
Overall shield	Braid shield Tinned copper wires optical cover approx. 85%
Jacket characteristics	Flame-retardant Oil resistant coolant-resistant solvent-resistant hydrolysis-resistant microbe resistant Silicone-free

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### Technical data

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Rated voltage	300/500 V
Rated voltage UL	600 V
Test voltage type	AC 6000 V
Temperature according to UL	90 °C
Temperature range moving	-5 °C ... +90 °C
Temperature range fixed	-40 °C ... +90 °C
Minimum bending radius moving	15×D
Minimum bending radius fixed	6×D

### Element 1

Element construction	(12G1,5)
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Insulation resistance at 20°C	20.0 MΩ×km
Operating capacitance Ader-Ader	172 pF/m
Operating capacitance wire-shield	214 pF/m

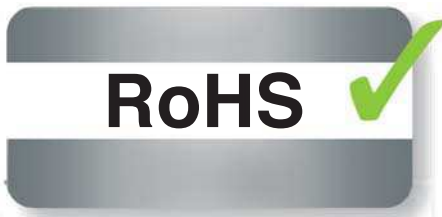
### Approvals/Standards

Approvals	cURus AWM I/II A/B FT1 VDE
UL style	AWM 2587
Conformity	CE RoHS
Burning behavior	IEC 60332-1 IEC 60332-3-24 UL FT1 UL VW-1
Oil resistant according to	Oil Res II

### General

Note CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU

### Symbols



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