

# Technical data sheet · LÜTZE SILFLEX® N PVC MULTINORM

## With approvals for Europe and North America

PVC control cables · unshielded



<b>Identification</b>	Type	SI N PVC 5G0,5 MN
	Part-No.	109703

### 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> </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 PVC MULTINORM
Number of conductors/cross-section	5G0.5
Jacket material	Special PVC
Jacket color	grey RAL 7001
Outer Ø	6.3 mm

16.02.2017 – Subject to technical modification

Part-No. 109703

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SYSTEMATIC TECHNOLOGY

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Weight 6.8 kg/100 m  
Cu-Index 2.4 kg/100 m

### Element 1

Element construction 5G0,5  
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  
Jacket characteristics Flame-retardant  
Oil resistant  
coolant-resistant  
solvent-resistant  
hydrolysis-resistant  
microbe resistant  
Silicone-free

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### Technical data

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 10×D  
Minimum bending radius fixed 4×D

### Element 1

Element construction 5G0,5  
Insulation resistance at 20°C 20.0 MΩ×km  
Operating capacitance Ader-Ader 134 pF/m

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### Approvals/Standards

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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

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### General

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

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### Symbols



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