

Technical data sheet · LÜTZE SILFLEX® N PVC MULTINORM

With approvals for Europe and North America

PVC control cables · unshielded



Identification	Type	SI N PVC 12G1,0 MN
	Part-No.	109725

Use/Application/Characteristics

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

Construction

Description	Silflex N PVC MULTINORM
Number of conductors/cross-section	12G1.0
Jacket material	Special PVC
Jacket color	grey RAL 7001
Outer Ø	10.3 mm

16.02.2017 – Subject to technical modification

Part-No. 109725

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SYSTEMATIC TECHNOLOGY

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Weight 23.5 kg/100 m
Cu-Index 11.5 kg/100 m

Element 1

Element construction 12G1,0
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

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 12G1,0
Insulation resistance at 20°C 20.0 MΩ×km
Operating capacitance Ader-Ader 156 pF/m

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

General

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

Symbols



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