

Technical data sheet · LÜTZE SILFLEX® N PVC MULTINORM

With approvals for Europe and North America

PVC control cables · unshielded



Identification	Type	SI N PVC 12G0,75 MN
	Part-No.	109716

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	12G0.75
Jacket material	Special PVC
Jacket color	grey RAL 7001
Outer Ø	9.5 mm

16.02.2017 – Subject to technical modification

Part-No. 109716

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SYSTEMATIC TECHNOLOGY

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Weight 19.5 kg/100 m
Cu-Index 8.6 kg/100 m

Element 1

Element construction 12G0,75
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 12G0,75
Insulation resistance at 20°C 20.0 MΩ×km
Operating capacitance Ader-Ader 148 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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