

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

With approvals for Europe and North America

PVC control cables · shielded



Identification	Type	SI N(C)PVC(5G1,0)MN
	Part-No.	109823

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 • Anywhere where electrical interference fields can influence the signal transmission
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 (C) PVC MULTINORM
Number of conductors/cross-section	(5G1.0)
Jacket material	Special PVC
Jacket color	grey RAL 7001

16.02.2017 – Subject to technical modification

Part-No. 109823

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SYSTEMATIC TECHNOLOGY

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Outer Ø	7.8 mm
Weight	11.7 kg/100 m
Cu-Index	7.1 kg/100 m

Element 1

Element construction	(5G1,0)
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
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

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	15×D
Minimum bending radius fixed	6×D

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Element construction	(5G1,0)
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Insulation resistance at 20°C	20.0 MΩ×km
Operating capacitance Ader-Ader	156 pF/m
Operating capacitance wire-shield	180 pF/m

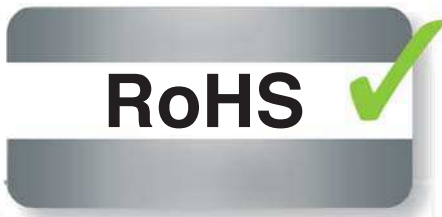
Approvals/Standards

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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