

Technical data sheet · LÜTZE SILFLEX® N PVC MULTINORM

With approvals for Europe and North America

PVC control cables · unshielded



Identification	Type	SI N PVC 5G10 MN
	Part-No.	109859

Use/Application/Characteristics

Application	• 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	• 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	5G10
Jacket material	Special PVC
Jacket color	grey RAL 7001
Outer Ø	17.9 mm

16.02.2017 – Subject to technical modification

Part-No. 109859

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA
Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223
www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU
Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2
www.lutze.com • sales.gb@lutze.co.uk

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Weight	83.8 kg/100 m
Cu-Index	48 kg/100 m

Element 1

Element construction	5G10
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	5G10
Insulation resistance at 20°C	20.0 MΩ×km
Operating capacitance Ader-Ader	208 pF/m

Approvals/Standards

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SYSTEMATIC TECHNOLOGY

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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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