

Technical data sheet - LÜTZE SILFLEX® N PVC MULTINORM

With approvals for Europe and North America

PVC control cables - unshielded



Identification	Type	SI N PVC 7G0,75 MN
	Part-No.	109715

Use/Application/Properties

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
Properties	<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	7G0.75
Jacket material	Special PVC
Jacket color	grey RAL 7001
Outer Ø	7.4 mm

19.03.2018 – Subject to technical modification

Part-No. 109715

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



SYSTEMATIC TECHNOLOGY

Technical data sheet - LÜTZE SILFLEX® N PVC MULTINORM

With approvals for Europe and North America

Weight 11.2 kg/100 m
Cu-Index 5 kg/100 m

Element 1

Element construction 7G0.75
Conductor CU-wire bare
Conductor category IEC 60228, Class 5
Finely stranded DIN VDE 0295
Class 5
Conductor marking black
with white number print
green/yellow
Conductor insulation Special PVC
Conductor insulation standard UL 1581

overall construction

Overall stranding layered construction
Jacket characteristics Flame-retardant
Oil resistant
coolant-resistant
solvent-resistant
hydrolysis-resistant
microbe resistant
Silicone-free

Technical data

Rated voltage U_0/U 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 ... +70 °C
Temperature range fixed -25 °C ... +70 °C
Minimum bending radius moving 10×D
Minimum bending radius fixed 4×D

Element 1

Element construction 7G0.75
Insulation resistance at 20 °C 20 MΩ×km
Operating capacitance wire-wire 148 pF/m

Approvals/Standards

19.03.2018 – Subject to technical modification

Part-No. 109715

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



SYSTEMATIC TECHNOLOGY

Technical data sheet - LÜTZE SILFLEX® N PVC MULTINORM

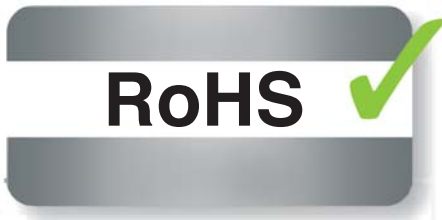
With approvals for Europe and North America

Approvals	cURus AWM I/II A/B FT1 VDE
UL style	AWM 2587
Conformity	CE RoHS
Burning behavior according to	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

Logo



19.03.2018 – Subject to technical modification

Part-No. 109715

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



SYSTEMATIC TECHNOLOGY