

Technical data sheet · LÜTZE SILFLEX® N PVC MULTINORM

With approvals for Europe and North America

PVC control cables · unshielded



| | | |
|-----------------------|----------|-------------------|
| Identification | Type | SI N PVC 7G2,5 MN |
| | Part-No. | 109743 |

| | | |
|--|--|--|
| 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 | 7G2.5 |
| Jacket material | Special PVC |
| Jacket color | grey RAL 7001 |
| Outer Ø | 10.7 mm |

26.01.2017 – Subject to technical modification

Part-No. 109743

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
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SYSTEMATIC TECHNOLOGY

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Weight 29.7 kg/100 m
Cu-Index 16.8 kg/100 m

Element 1

Element construction 7G2,5
Conductor CU-wire bare
Conductor category IEC 60228, Class 5
Finely stranded DIN VDE 0295
DIN EN 13602
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 7G2,5
Insulation resistance at 20°C 20.0 MΩ×km
Operating capacitance Ader-Ader 190 pF/m

Approvals/Standards

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| | |
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| Approvals | cURus CSA AWM I/II A/B FT1 VDE |
| UL style | AWM 2587 |
| Conformity | CE RoHS |
| Burning behavior | IEC 60332-1 IEC 60332-3-24 CSA 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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