

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(12G1,0)MN |
| | Part-No. | 109825 |

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 | (12G1.0) |
| Jacket material | Special PVC |
| Jacket color | grey RAL 7001 |

16.02.2017 – Subject to technical modification

Part-No. 109825

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| | |
|----------|---------------|
| Outer Ø | 10.9 mm |
| Weight | 24.2 kg/100 m |
| Cu-Index | 15.1 kg/100 m |

Element 1

| | |
|-------------------------------|--|
| Element construction | (12G1,0) |
| 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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| | |
|----------------------|----------|
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|----------------------|----------|

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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 |

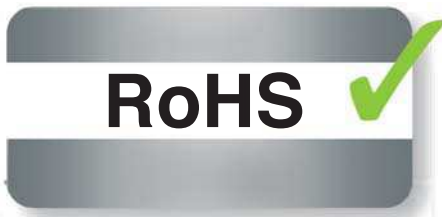
Approvals/Standards

| | |
|----------------------------|--|
| 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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