

Technical data sheet · LÜTZE SILFLEX® N PVC

PVC control cables · unshielded



| | | |
|-----------------------|----------|-----------------|
| Identification | Type | SI N PVC 7G0,75 |
| | Part-No. | 100389 |

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">• PVC Flame-retardant, self-extinguishing• Resistant to most oils, greases, acids and alkalis• Silicone free• RoHS-compliant |

Construction

| | |
|------------------------------------|--------------------|
| Description | SILFLEX N PVC |
| Number of conductors/cross-section | 7G0.75 |
| Jacket material | Special PVC |
| Jacket color | grey RAL 7001 |
| Outer Ø | 7.5 mm |
| Surface | adhesion-free matt |
| Weight | 9.8 kg/100 m |
| Cu-Index | 5 kg/100 m |

26.01.2017 – Subject to technical modification

Part-No. 100389

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

Element 1

| | |
|-------------------------------|--|
| Element construction | 7G0,75 |
| 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 | VDE 0281-1 EN 50363-3 |

overall construction

| | |
|------------------------|--|
| Overall stranding | stranded layers |
| Jacket characteristics | Flame-retardant self-extinguishing Oil resistant grease-resistant alkali-resistant acid-resistant. Silicone-free |

Technical data

| | |
|-------------------------------|-------------------|
| Rated voltage U_0/U | 300/500 V |
| Test voltage type | AC 3000 V |
| Temperature range moving | -15 °C ... +70 °C |
| Temperature range fixed | -40 °C ... +80 °C |
| Minimum bending radius moving | 10×D |
| Minimum bending radius fixed | 4×D |

Element 1

| | |
|---------------------------------|------------|
| Element construction | 7G0,75 |
| Insulation resistance at 20°C | 20.0 MΩ×km |
| Operating capacitance Ader-Ader | 138 pF/m |

Approvals/Standards

| | |
|------------------|---|
| Conformity | CE RoHS |
| Burning behavior | IEC 60332-1 DIN EN 60332-1-2 VDE 0482 322-1-2 |

General

26.01.2017 – Subject to technical modification

Part-No. 100389

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

Note

CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU

Symbols



26.01.2017 – Subject to technical modification

Part-No. 100389

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