

Technical data sheet · LÜTZE SILFLEX® N (C) PVC

PVC control cables · shielded



| | | |
|--|--|-------------------|
| Identification | Type | SI N(C)PVC(7G2,5) |
| | Part-No. | 116135 |
| 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">• The overall braided copper shield prevents both the interference of signals and measured values as well as the emission of interfering signals• PVC Flame-retardant, self-extinguishing• Resistant to most oils, greases, acids and alkalis• Silicone free• RoHS-compliant | |
| Construction | | |
| Description | Silfex N (C) PVC | |
| Number of conductors/cross-section | (7G2.5) | |
| Jacket material | Special PVC | |
| Jacket color | grey RAL 7001 | |
| Outer Ø | 11.8 mm | |
| Surface | adhesion-free matt | |

27.01.2017 – Subject to technical modification

Part-No. 116135

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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| | |
|----------|---------------|
| Weight | 29.1 kg/100 m |
| Cu-Index | 20.5 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 | VDE 0281-1 EN 50363-3 |

overall construction

| | |
|------------------------|--|
| Overall stranding | Conductors stranded layers |
| Overall shield | Braid shield Tinned copper wires optical cover approx. 85% |
| Jacket characteristics | Flame-retardant self-extinguishing Oil resistant grease-resistant acid-resistant. alkali-resistant Silicone-free |

Technical data

| | |
|-------------------------------|-------------------|
| Rated voltage U_0/U | 300/500 V |
| Test voltage type | AC 3000 V |
| Temperature range moving | -5 °C ... +70 °C |
| Temperature range fixed | -40 °C ... +80 °C |
| Minimum bending radius moving | 15×D |
| Minimum bending radius fixed | 6×D |

Element 1

| | |
|-----------------------------------|------------|
| Element construction | (7G2,5) |
| Insulation resistance at 20°C | 20.0 MΩ×km |
| Operating capacitance Ader-Ader | 190 pF/m |
| Operating capacitance wire-shield | 256 pF/m |

Approvals/Standards

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SYSTEMATIC TECHNOLOGY

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

General

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

Symbols



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