

Technical data sheet · LÜTZE SILFLEX® N PVC

PVC control cables · unshielded



| | | |
|--|--|--------------|
| Identification | Type | SI N PVC 5G4 |
| | Part-No. | 100465 |
| 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 | 5G4 | |
| Jacket material | Special PVC | |
| Jacket color | grey RAL 7001 | |
| Outer Ø | 12.1 mm | |
| Surface | adhesion-free matt | |
| Weight | 29.5 kg/100 m | |
| Cu-Index | 19.2 kg/100 m | |

26.01.2017 – Subject to technical modification

Part-No. 100465

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SYSTEMATIC TECHNOLOGY

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Element 1

| | |
|-------------------------------|--|
| Element construction | 5G4 |
| 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 |

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 | 5G4 |
| Insulation resistance at 20°C | 20.0 MΩ×km |
| Operating capacitance Ader-Ader | 209 pF/m |

Approvals/Standards

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

General

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

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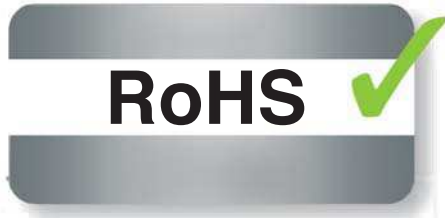
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Symbols



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