

# Technical data sheet · LÜTZE SUPERFLEX® N PVC

## For medium to high requirements



PVC control cables · C-track compatible · unshielded

|                       |          |                |
|-----------------------|----------|----------------|
| <b>Identification</b> | Type     | SU N PVC 4G0,5 |
|                       | Part-No. | 118383         |

### Use/Application/Characteristics

|                 |   |
|-----------------|---|
| Application     | <ul style="list-style-type: none"> <li>• Machine and device construction, transport and conveyor technology, HVAC technology</li> <li>• In dry and damp rooms</li> <li>• As a monitoring, measurement and control cable in continuously moving applications</li> <li>• For installation in energy chains with constant linear movement</li> </ul> |
| Characteristics | <ul style="list-style-type: none"> <li>• Construction and material suitable for continuous movement application.</li> <li>• PVC Flame-retardant, self-extinguishing</li> <li>• Resistant to most oils, greases, acids and alkalis (see tech. information)</li> <li>• Silicone free</li> <li>• RoHS-compliant</li> </ul>                           |

### Construction

|                                    |                 |
|------------------------------------|-----------------|
| Description                        | SUPERFLEX N PVC |
| Number of conductors/cross-section | 4G0.5           |
| Jacket material                    | Special PVC     |
| Jacket color                       | grey RAL 7001   |
| Outer Ø                            | 5.4 mm          |
| Weight                             | 4.7 kg/100 m    |
| Cu-Index                           | 2 kg/100 m      |

27.01.2017 – Subject to technical modification

Part-No. 118383

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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### Element 1

|                      |   |
|----------------------|---|
| Element construction | 4G0,5   |
| Conductor            | CU-wire bare  |
| Conductor category   | IEC 60228, Class 6<br>DIN EN 13602<br>Superfinely stranded DIN VDE 0295 |
| Conductor marking    | black<br>with white number print<br>green/yellow                        |
| Conductor insulation | Special PVC   |

### overall construction

|                        |  |
|------------------------|--|
| Overall stranding      | Conductors stranded layers<br>schlaglängenoptimiert<br>Conductors twisted without mechanical stress                                |
| Overall wrapping       | Non-woven material   |
| Jacket characteristics | Flame-retardant<br>self-extinguishing<br>Oil resistant<br>grease-resistant<br>acid-resistant.<br>alkali-resistant<br>Silicone-free |

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### Technical data

|                               |                     |
|-------------------------------|---------------------|
| Rated voltage $U_0/U$         | 300/500 V           |
| Test voltage type             | AC 3000 V           |
| Temperature range moving      | -15 °C ... +80 °C   |
| Temperature range fixed       | -30 °C ... +80 °C   |
| Minimum bending radius moving | 10×D                |
| Minimum bending radius fixed  | 4×D                 |
| Travel distance               | ≤15 m               |
| Speed                         | 5 m/s               |
| Acceleration                  | 10 m/s <sup>2</sup> |

### Element 1

|                               |            |
|-------------------------------|------------|
| Element construction          | 4G0,5      |
| Insulation resistance at 20°C | 20.0 MΩ×km |

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### Approvals/Standards

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|                  |   |
|------------------|---|
| Conformity       | CE<br>RoHS  |
| Burning behavior | IEC 60332-2-2<br>DIN EN 60332-2-2<br>VDE 0482-332-2-2 |

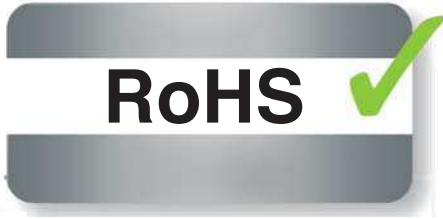
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### General

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

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### Symbols



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