

## Technical data sheet

PVC control cables · C-track compatible · unshielded

### LÜTZE SUPERFLEX® 2000 PVC For medium to high requirements



#### Identification

Type SU 2000 PVC 2×2,5  
Part No. [100116](#)

#### Product version

Datasheet version 00

#### Use/Application/Properties

- |             |                                                                                                                                                                                                                                                                                                                                           |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application | <ul style="list-style-type: none"><li>• Machine and device construction, transport and conveyor technology, heating and climate technology</li><li>• In dry and damp rooms</li><li>• As control and control cable in continuously moving applications</li><li>• For installation in energy chains with constant linear movement</li></ul> |
| Properties  | <ul style="list-style-type: none"><li>• Construction and material suitable for continuous movement application</li><li>• PVC Flame-retardant, self-extinguishing</li><li>• Largely resistant to oils, greases, acids and bases</li><li>• Silicone free</li></ul>                                                                          |

#### Construction

|                                    |                          |
|------------------------------------|--------------------------|
| Description                        | SUPERFLEX® 2000 PVC      |
| Number of conductors/cross-section | 2×2.5                    |
| Number of conductors               | 2                        |
| Cross-section, metric              | 2.5 mm <sup>2</sup>      |
| Jacket material                    | Special PVC              |
| Jacket color                       | grey similar to RAL 7001 |
| Outer Ø                            | 8.1 mm                   |
| Weight                             | 10.3 kg/100 m            |
| Cu-Index                           | 4.8 kg/100 m             |

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### Construction Element 1

|                            |                                                                                  |
|----------------------------|----------------------------------------------------------------------------------|
| Element construction       | 2×2.5                                                                            |
| Conductor                  | CU-wire bare                                                                     |
| Conductor category         | DIN EN 60228, Class 6<br>Superfinely stranded DIN VDE 0295<br>IEC 60228, Class 6 |
| Conductor marking standard | DIN VDE 0293                                                                     |
| Conductor insulation       | TPE                                                                              |

### Overall construction

|                        |                                                                                                          |
|------------------------|----------------------------------------------------------------------------------------------------------|
| Overall stranding      | Conductors layered construction<br>Conductors twisted without mechanical stress<br>Layer pitch optimised |
| Overall wrapping       | Non-woven material                                                                                       |
| Jacket characteristics | Silicone free<br>Flame-retardant                                                                         |

### 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 | 7.5×D             |
| Minimum bending radius fixed  | 4×D               |
| Bending cycles                | ≥5 Mio            |

### Technical Data Element 1

|                                 |                |
|---------------------------------|----------------|
| Element construction            | 2×2.5          |
| Insulation resistance at 20 °C  | ≥1000 MΩ×km    |
| Operating capacitance wire-wire | approx.80 pF/m |

### Certifications/Standards

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

### General

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