# Technical data sheet

PVC control cables · C-track compatible · unshielded

## LÜTZE SUPERFLEX® 2000 PVC

**For medium to high requirements**


### Identification

| | |
|---|---|
| Type | SU 2000 PVC 3G0,5 |
| Part No. | 100015 |

### Product version

| | |
|---|---|
| Datasheet version | 00 |

### Use/Application/Properties

| | |
|---|---|
| Application | • Machine and device construction, transport and conveyor technology, heating and climate technology<br>• In dry and damp rooms<br>• As control and control cable in continuously moving applications<br>• For installation in energy chains with constant linear movement |
| Properties | • Construction and material suitable for continuous movement application<br>• PVC Flame-retardant, self-extinguishing<br>• Largely resistant to oils, greases, acids and bases<br>• Silicone free |

### Construction

| | |
|---|---|
| Description | SUPERFLEX® 2000 PVC |
| Number of conductors/cross-section | 3G0.5 |
| Number of conductors | 3 |
| Cross-section, metric | 0.5 mm² |
| Jacket material | Special PVC |
| Jacket color | grey similar to RAL 7001 |
| Outer Ø | 5 mm |
| Weight | 3.6 kg/100 m |
| Cu Index | 1.44 kg/100 m |

### Construction Element 1

| | |
|---|---|
| Element construction | 3G0.5 |
| Conductor | CU-wire bare |
| Conductor category | DIN EN 60228, Class 6<br>Superfinely stranded DIN VDE 0295<br>IEC 60228, Class 6 |

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| | |
|---|---|
| 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×cable OD |
| Minimum bending radius fixed | 4×cable OD |
| Bending cycles | ≥5 Mio |

## Technical Data Element 1

| | |
|---|---|
| Element construction | 3G0.5 |
| Insulation resistance at 20 °C | ≥1000 MΩ×km |
| Operating capacitance wire-wire | approx.80 pF/m |

## Approvals/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 |