

Technical data sheet

PVC control cables · C-track compatible · unshielded

LÜTZE SUPERFLEX® 2000 PVC For medium to high requirements



Identification

| | |
|----------|---------------------|
| Type | SU 2000 PVC 12G0,75 |
| Part-No. | 100045 |

Product version

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

Use/Application/Properties

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

Construction

| | |
|------------------------------------|----------------------|
| Description | SUPERFLEX® 2000 PVC |
| Number of conductors/cross-section | 12G0.75 |
| Number of conductors | 12 |
| Cross-section, metric | 0.75 mm ² |
| Jacket material | Special PVC |
| Jacket color | grey RAL 7001 |
| Outer Ø | 9.3 mm |
| Weight | 13.4 kg/100 m |
| Cu-Index | 8.64 kg/100 m |

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Construction Element 1

| | |
|----------------------------|--|
| Element construction | 12G0.75 |
| Conductor | CU-wire bare |
| Conductor category | DIN EN 60228, class 6 Superfinely stranded DIN VDE 0295 IEC 60228, Class 6 |
| Conductor marking | black · with white number print · green/yellow |
| Conductor marking standard | DIN EN 50334 |
| Conductor insulation | TPE |

Technical data

| | |
|-------------------------------|-------------------|
| Rated voltage U_0/U | 300/500 V |
| Test voltage type | 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 |

Overall construction

| | |
|------------------------|--|
| Overall stranding | conductors layered construction conductors twisted without mechanical stress layer pitch optimised |
| Overall wrapping | Fleece taping |
| Jacket characteristics | Silicone-free Flame-retardant |

Technical Data Element 1

| | |
|---------------------------------|-----------------|
| Element construction | 12G0.75 |
| Insulation resistance at 20 °C | ≥1000 MΩ×km |
| Operating capacitance wire-wire | approx. 80 pF/m |

Certifications/Standards

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

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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