

## Technical data sheet

PVC control cables · C-track compatible · unshielded

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



#### Identification

Type	SU 2000 PVC 5G0,5
Part-No.	100018

#### Product version

Datasheet version	00
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#### 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><li>• RoHS compliant</li></ul>

#### Construction

Description	SUPERFLEX® 2000 PVC
Number of conductors/cross-section	5G0.5
Number of conductors	5
Cross-section, metric	0.5 mm <sup>2</sup>
Jacket material	Special PVC
Jacket color	grey RAL 7001
Outer Ø	5.9 mm
Weight	5.1 kg/100 m
Cu-Index	2.4 kg/100 m

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26.02.2021 · Subject to technical modification

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SYSTEMATIC TECHNOLOGY

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### Construction Element 1

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Element construction	5G0.5
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

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### Technical data

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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

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### Overall construction

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

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### Technical Data Element 1

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

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### Certifications/Standards

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

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### 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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