

Technical data sheet

PVC control cables · C-track compatible · unshielded

LÜTZE SUPERFLEX® 2000 PVC For medium to high requirements



Identification

Type	SU 2000 PVC 5G1,0
Part-No.	100070

Product version

Datasheet version	00
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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	5G1.0
Number of conductors	5
Cross-section, metric	1 mm ²
Jacket material	Special PVC
Jacket color	grey RAL 7001
Outer Ø	7.2 mm
Weight	8.2 kg/100 m
Cu-Index	4.8 kg/100 m

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SYSTEMATIC TECHNOLOGY

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Construction Element 1

Element construction	5G1.0
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	5G1.0
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

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