

# Technical data sheet · LÜTZE SUPERFLEX® N PVC

## For medium to high requirements



PVC control cables · C-track compatible · unshielded

<b>Identification</b>	Type	SU N PVC 7G1,0
	Part-No.	100790

### Use/Application/Characteristics

Application	<ul style="list-style-type: none"><li>• Machine and device construction, transport and conveyor technology, HVAC technology</li><li>• In dry and damp rooms</li><li>• As a monitoring, measurement and control cable in continuously moving applications</li><li>• For installation in energy chains with constant linear movement</li></ul>
Characteristics	<ul style="list-style-type: none"><li>• Construction and material suitable for continuous movement application.</li><li>• PVC Flame-retardant, self-extinguishing</li><li>• Resistant to most oils, greases, acids and alkalis (see tech. information)</li><li>• Silicone free</li><li>• RoHS-compliant</li></ul>

### Construction

Description	SUPERFLEX N PVC
Number of conductors/cross-section	7G1.0
Jacket material	Special PVC
Jacket color	grey RAL 7001
Outer Ø	8.2 mm
Weight	12.7 kg/100 m
Cu-Index	6.9 kg/100 m

26.01.2017 – Subject to technical modification

Part-No. 100790

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SYSTEMATIC TECHNOLOGY

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### Element 1

Element construction	7G1,0
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 DIN EN 13602 Superfinely stranded DIN VDE 0295
Conductor marking	black with white number print green/yellow
Conductor insulation	Special PVC

### overall construction

Overall stranding	Conductors stranded layers schlaglängenoptimiert Conductors twisted without mechanical stress
Overall wrapping	Non-woven material
Jacket characteristics	Flame-retardant self-extinguishing Oil resistant grease-resistant acid-resistant. alkali-resistant Silicone-free

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### 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	10×D
Minimum bending radius fixed	4×D
Travel distance	≤15 m
Speed	5 m/s
Acceleration	10 m/s <sup>2</sup>

### Element 1

Element construction	7G1,0
Insulation resistance at 20°C	20.0 MΩ×km

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### Approvals/Standards

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Conformity	CE RoHS
Burning behavior	IEC 60332-2-2 DIN EN 60332-2-2 VDE 0482-332-2-2

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### General

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

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### Symbols



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