

Technical data sheet · LÜTZE SUPERFLEX[®] N PVC

For medium to high requirements



PVC control cables · C-track compatible · unshielded

Identification	Type	SU N PVC 2×2,5
	Part-No.	100987

Use/Application/Characteristics

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

Construction

Description	SUPERFLEX N PVC
Number of conductors/cross-section	2×2.5
Jacket material	Special PVC
Jacket color	grey RAL 7001
Outer Ø	8 mm
Weight	10.8 kg/100 m
Cu-Index	4.8 kg/100 m

26.01.2017 – Subject to technical modification

Part-No. 100987

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SYSTEMATIC TECHNOLOGY

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Element 1

Element construction	2×2,5
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
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

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 ²

Element 1

Element construction	2×2,5
Insulation resistance at 20°C	20.0 MΩ×km

Approvals/Standards

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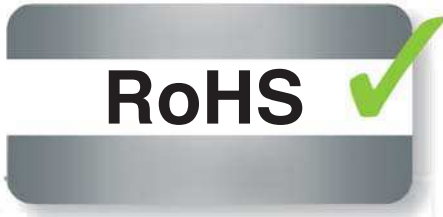
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Burning behavior IEC 60332-2-2
DIN EN 60332-2-2
VDE 0482-332-2-2

General

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

Symbols



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