

Technical data sheet · LÜTZE SUPERFLEX® N (C) PVC

For medium to high requirements



PVC control cables · C-track compatible · shielded

Identification	Type	SU N(C)PVC (12G1,0)
	Part-No.	111001

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 • Anywhere where electrical interference fields can influence the signal transmission
Characteristics	<ul style="list-style-type: none"> • Construction and material suitable for continuous movement application. • High active and passive interference resistance • PVC Flame-retardant, self-extinguishing • Resistant to most oils, greases, acids and alkalis (see tech. information) • Silicone free • RoHS-compliant

Construction

Description	SUPERFLEX N (C) PVC
Number of conductors/cross-section	(12G1.0)
Jacket material	Special PVC
Jacket color	grey RAL 7001
Outer Ø	11.5 mm

27.01.2017 – Subject to technical modification

Part-No. 111001

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SYSTEMATIC TECHNOLOGY

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Weight 24.1 kg/100 m
Cu-Index 15.4 kg/100 m

Element 1

Element construction (12G1,0)
Conductor CU-wire bare
Conductor category DIN EN 60228, class 6
Superfinely stranded DIN VDE 0295
DIN EN 13602
Conductor marking black
with white number print
green/yellow
Conductor insulation Special PVC
Stranding Conductors stranded layers
layer pitch optimised
Conductors twisted without mechanical stress
Wrapping Non-woven material

overall construction

Overall wrapping Non-woven material
Inner jacket PVC
Overall shield Braid shield
Tinned copper wires
optical cover approx. 85%
Jacket characteristics Flame-retardant
self-extinguishing
Silicone-free
Oil resistant
grease-resistant
acid-resistant.
alkali-resistant

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 12×D
Minimum bending radius fixed 6×D
Bending cycles ≥ 1 Mio
Travel distance ≤ 15 m
Speed 5 m/s

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Acceleration 10 m/s²

Element 1

Element construction (12G1,0)
Insulation resistance at 20°C 20.0 MΩ×km

Approvals/Standards

Conformity CE
RoHS
Burning behavior DIN EN 60332-2-2
IEC 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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