

Technical data sheet

PVC control cables · C-track compatible · shielded

LÜTZE SUPERFLEX® 2100 (C) PVC

For medium to high requirements



Identification

Type SU 2100 (C) PVC (12G1,0)
Part No. [111608](#)

Product version

Datasheet version 00

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 |

Construction

Description	SUPERFLEX® 2100 (C) PVC
Number of conductors/cross-section	(12G1.0)
Number of conductors	12
Cross-section, metric	1 mm ²
Jacket material	Special PVC
Jacket color	grey similar to RAL 7001
Outer Ø	12.5 mm
Weight	28.8 kg/100 m
Cu-Index	15.4 kg/100 m

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Construction Element 1

Element construction	(12G1,0)
Conductor	CU-wire bare
Conductor category	DIN EN 60228, Class 6 Superfinely stranded DIN VDE 0295 IEC 60228, Class 6
Conductor marking standard	DIN VDE 0293
Conductor insulation	TPE

Overall construction

Overall stranding	Conductors layered construction Conductors twisted without mechanical stress Layer pitch optimised
Inner jacket	PVC
Overall shield	Braid shield Tinned copper wires Optical cover approx. 85 %
Jacket characteristics	Silicone free Flame-retardant

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	6×D
Bending cycles	≥5 Mio

Technical Data Element 1

Element construction	(12G1,0)
Insulation resistance at 20 °C	≥1000 MΩ×km
Operating capacitance wire-wire	approx.80 pF/m
Operating capacitance wire-shield	approx.120 pF/m

Certifications/Standards

Conformity	CE RoHS REACH
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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