

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 (2×1,5)
	Part-No.	110947

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	(2×1.5)
Jacket material	Special PVC
Jacket color	grey RAL 7001
Outer Ø	8 mm

27.01.2017 – Subject to technical modification

Part-No. 110947

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA
Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223
www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU
Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2
www.lutze.com • sales.gb@lutze.co.uk



SYSTEMATIC TECHNOLOGY

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

For medium to high requirements

Weight 10.3 kg/100 m
Cu-Index 4.8 kg/100 m

Element 1

Element construction (2×1,5)
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
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
Acceleration 10 m/s²

27.01.2017 – Subject to technical modification

Part-No. 110947

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA
Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223
www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU
Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2
www.lutze.com • sales.gb@lutze.co.uk



SYSTEMATIC TECHNOLOGY

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

For medium to high requirements

Element 1

Element construction	(2×1,5)
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



27.01.2017 – Subject to technical modification

Part-No. 110947

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA
Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223
www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU
Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2
www.lutze.com • sales.gb@lutze.co.uk