

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 (2×0,75)
	Part-No.	110489

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	(2×0.75)
Jacket material	Special PVC
Jacket color	grey RAL 7001
Outer Ø	7.1 mm

27.01.2017 – Subject to technical modification

Part-No. 110489

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SYSTEMATIC TECHNOLOGY

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Weight	7.5 kg/100 m
Cu-Index	2.8 kg/100 m

Element 1

Element construction	(2×0,75
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/s ²

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Element 1

Element construction	(2×0,75
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
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Symbols



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