

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

PVC control cables · shielded



Identification	Type	SI N(C)PVC(18G1,0)
	Part-No.	116116
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 for industrial applications• For flexible application without continuous flexing• Anywhere where electrical interference fields can influence the signal transmission	
Characteristics	<ul style="list-style-type: none">• The overall braided copper shield prevents both the interference of signals and measured values as well as the emission of interfering signals• PVC Flame-retardant, self-extinguishing• Resistant to most oils, greases, acids and alkalis• Silicone free• RoHS-compliant	
Construction		
Description	Silfex N (C) PVC	
Number of conductors/cross-section	(18G1.0)	
Jacket material	Special PVC	
Jacket color	grey RAL 7001	
Outer Ø	13.7 mm	
Surface	adhesion-free matt	

27.01.2017 – Subject to technical modification

Part-No. 116116

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SYSTEMATIC TECHNOLOGY

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Weight	35.7 kg/100 m
Cu-Index	23.1 kg/100 m

Element 1

Element construction	(18G1,0)
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 5 Finely stranded DIN VDE 0295 DIN EN 13602
Conductor marking	black with white number print green/yellow
Conductor insulation	Special PVC
Conductor insulation standard	VDE 0281-1 EN 50363-3

overall construction

Overall stranding	Conductors stranded layers
Overall shield	Braid shield Tinned copper wires optical cover approx. 85%
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	-5 °C ... +70 °C
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius moving	15×D
Minimum bending radius fixed	6×D

Element 1

Element construction	(18G1,0)
Insulation resistance at 20°C	20.0 MΩ×km
Operating capacitance Ader-Ader	156 pF/m
Operating capacitance wire-shield	180 pF/m

Approvals/Standards

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Conformity	CE RoHS
Burning behavior	IEC 60332-1 DIN EN 60332-1-2 VDE 0482 322-1-2

General

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

Symbols



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