

# Technical data sheet · LÜTZE ELECTRONIC LIY (C) Y

## Shielded electronic cable

PVC electronic cables · shielded



<b>Identification</b>	Type	LIY(C)Y(10×0,5)
	Part-No.	101423

### Use/Application/Characteristics

Application	<ul style="list-style-type: none"> <li>• For interference-free transmission in all areas of electronics, measuring, control and regulation technology</li> <li>• In low voltage switchgears and communications engineering</li> <li>• In dry and damp rooms</li> <li>• For flexible application for free movement and without tensile loading</li> </ul>
Characteristics	<ul style="list-style-type: none"> <li>• PVC Flame-retardant, self-extinguishing</li> <li>• High active and passive interference resistance (EMC)</li> <li>• Resistant to most acids and alkalis</li> <li>• Silicone free</li> <li>• RoHS-compliant</li> </ul>

### Construction

Description	ELECTRONIC LIY (C) Y
Number of conductors/cross-section	(10×0.5)
Jacket material	Special PVC
Jacket color	grey RAL 7001
Outer Ø	9.1 mm
Surface	adhesion-free matt
Weight	13.5 kg/100 m

26.01.2017 – Subject to technical modification

Part-No. 101423

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Cu-Index 9.3 kg/100 m

### Element 1

Element construction 10×0,5)  
Conductor CU-wire bare  
Conductor category IEC 60228, Class 5  
Finely stranded DIN VDE 0295  
DIN EN 13602  
Conductor marking Colour coded  
Conductor marking standard DIN 47100  
Conductor insulation Special PVC

### overall construction

Overall stranding Conductors stranded layers  
Overall wrapping Foil taping  
Overall shield Braid shield  
Tinned copper wires  
optical cover approx. 80%  
Jacket characteristics Flame-retardant  
self-extinguishing  
Silicone-free  
grease-resistant  
acid-resistant.  
alkali-resistant  
Oil resistant

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### Technical data

Rated voltage 500 V  
Test voltage type AC 2000 V  
Temperature range moving -5 °C ... +70 °C  
Temperature range fixed -30 °C ... +70 °C  
Minimum bending radius moving 15×D  
Minimum bending radius fixed 6×D

### Element 1

Element construction 10×0,5)  
Insulation resistance at 20°C 20.0 MΩ×km  
Operating capacitance wire-shield 160 pF/m

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### Approvals/Standards

Conformity CE  
RoHS

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

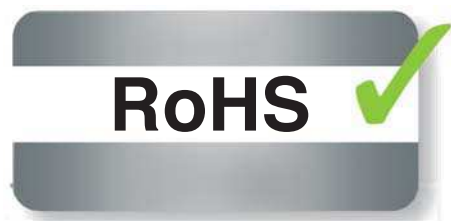
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### General

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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