

# Technical data sheet - LÜTZE ELECTRONIC LiY (C) Y TP

## Shielded electronic cable, paired

PVC electronic cables · shielded



<b>Identification</b>	Type	LIY(C)Y TP(4×2×0,5)
	Part-No.	110643T

### Use/Application/Properties

Application	<ul style="list-style-type: none"> <li>• For interference-free transmission in all areas of electronics, measuring, monitoring and control technology</li> <li>• In low voltage switchgear, communications engineering</li> <li>• In dry and damp rooms</li> <li>• For flexible use with free movement without tensile load</li> </ul>
Properties	<ul style="list-style-type: none"> <li>• PVC Flame-retardant, self-extinguishing</li> <li>• High active and passive interference resistance (EMC)</li> <li>• High crosstalk attenuation due to twisted pairs</li> <li>• Resistant to most oils, greases, acids and alkalis</li> <li>• Silicone free</li> <li>• RoHS-compliant</li> </ul>

### Construction

Description	ELETRONIC LiY (C) Y TP
Number of conductors/cross-section	(4×2×0.5)
Jacket material	Special PVC
Jacket color	grey RAL 7032
Outer Ø	9.4 mm
Surface	adhesion-free matt

19.03.2018 – Subject to technical modification

Part-No. 110643T

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SYSTEMATIC TECHNOLOGY

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Weight 12.3 kg/100 m  
Cu-Index 9.1 kg/100 m

### Element 1

Element construction (4×2×0.5)  
Conductor CU-wire bare  
Conductor category IEC 60228, Class 5  
Finely stranded DIN VDE 0295  
Class 5  
Conductor marking Colour coded  
Conductor marking standard DIN 47100  
Conductor insulation Special PVC

### overall construction

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

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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 (4×2×0.5)  
Insulation resistance at 20 °C 20 MΩ×km  
Operating capacitance wire-wire 120 pF/m  
Operating capacitance wire-shield 160 pF/m

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### Approvals/Standards

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

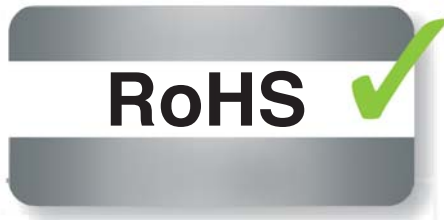
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### General

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

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### Logo



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