

Technical data sheet · LÜTZE ELECTRONIC LIY (C) Y

Shielded electronic cable

PVC electronic cables · shielded



Identification	Type	LIY(C)Y(3×0,5)
	Part-No.	118413

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

Construction	
Description	ELECTRONIC LIY (C) Y
Number of conductors/cross-section	(3×0.5)
Jacket material	Special PVC
Jacket color	grey RAL 7001
Outer Ø	5.7 mm
Surface	adhesion-free matt
Weight	5.5 kg/100 m

27.01.2017 – Subject to technical modification

Part-No. 118413

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 ELECTRONIC LiY (C) Y

Shielded electronic cable

Cu-Index 3.5 kg/100 m

Element 1

Element construction (3×0,5)
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

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 (3×0,5)
Insulation resistance at 20°C 20.0 MΩ×km
Operating capacitance wire-shield 160 pF/m

Approvals/Standards

Conformity CE
RoHS

27.01.2017 – Subject to technical modification

Part-No. 118413

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 ELECTRONIC LiY (C) Y

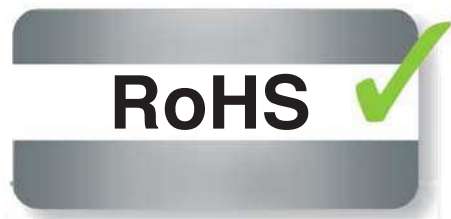
Shielded electronic cable

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



27.01.2017 – Subject to technical modification

Part-No. 118413

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