

Technical data sheet · LÜTZE ELECTRONIC LiY (C) Y TP

Shielded electronic cable, paired

PVC electronic cables · shielded



Identification	Type	LIY(C)Y TP(25×2×0,34)
	Part-No.	118297

Use/Application/Characteristics

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

Construction

Description	ELETRONIC LiY (C) Y TP
Number of conductors/cross-section	(25×2×0.34)
Jacket material	Special PVC
Jacket color	grey RAL 7032
Outer Ø	18.3 mm
Surface	adhesion-free matt

27.01.2017 – Subject to technical modification

Part-No. 118297

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 TP

Shielded electronic cable, paired

Weight 45.5 kg/100 m
Cu-Index 26.6 kg/100 m

Element 1

Element construction (25×2×0,34)
Conductor construction 7×0,25
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 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

Technical data

Rated voltage U_0/U 300 V
Test voltage type AC 1200 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 (25×2×0,34)
Insulation resistance at 20°C 20.0 MΩ×km
Operating capacitance wire-shield 160 pF/m

Approvals/Standards

27.01.2017 – Subject to technical modification

Part-No. 118297

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 TP

Shielded electronic cable, paired

Conformity	CE RoHS
Burning behavior	IEC 60332-1-2 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. 118297

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