

Technical data sheet

PVC electronic cables · shielded · twisted pair

ELECTRONIC LiY(C)Y TP



Identification

Type LiY(C)Y TP (8×2×0,5)
Part No. [110645T](#)

Product version

Datasheet version 00

Use/Application/Properties

- | | |
|-------------|---|
| Application | <ul style="list-style-type: none">• For trouble-free transmission in all areas of electronics, measuring, monitoring and regulation technology• In low voltage switchgear, communications engineering• In dry and damp rooms• For flexible application for free movement and without tensile loading |
| Properties | <ul style="list-style-type: none">• PVC Flame-retardant, self-extinguishing• Very good shielding attenuation• Largely resistant to oils, greases, acids and bases• Silicone free• RoHS compliant |

Construction

Description	ELECTRONIC LiY(C)Y TP
Number of conductors/cross-section	(8×2×0.5)
Number of conductors	16
Cross-section, metric	0.5 mm ²
Jacket material	Special PVC
Jacket color	grey RAL 7032
Outer Ø	12.2 mm
Surface	adhesion-free
Weight	19 kg/100 m
Cu-Index	14.4 kg/100 m

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU
Tel. +44 (0)1827 31333-0
www.lutze.com • sales.gb@lutze.co.uk

Germany: Friedrich Lütze GmbH

Postfach 12 24 (PLZ 71366) • Bruckwiesenstraße 17-19 • D-71384 Weinstadt
Tel. +49 (0)7151 6053-0
www.luetze.de • info@luetze.de

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Construction Element 1

Element construction	(8 × 2 × 0.5)
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 5 Finely stranded DIN VDE 0295 Class 5
Conductor marking	Color 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	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

Technical Data Element 1

Element construction	(8 × 2 × 0.5)
Insulation resistance at 20 °C	≥20 MΩ×km
Operating capacitance wire-wire	approx. 120 pF/m
Operating capacitance wire-shield	approx. 160 pF/m

Certifications/Standards

Conformity	CE RoHS REACH
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