

Technical data sheet

PVC electronic cables · shielded · paired

LUTZE ELECTRONIC LiY(C)Y TP

Shielded electronic cable UL recognized



Identification

Type LiY(C)Y TP (6×2×0,5)
Part No. [108775](#)

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• Especially for industrial environments with high EMI potential in machine, plant and device construction |
| Properties | <ul style="list-style-type: none">• Minimal cable diameter through thin-walled PVC conductor insulation according to UL• High protection against electromagnetic interferences (EMI)• Outer jacket special-PVC Class 43 according to UL• Very good oil resistance• Largely resistant to acids and bases• Silicone free |

Construction

Description	ELECTRONIC LiY(C)Y TP
Number of conductors/cross-section	(6×2×0.5)
Number of conductors	12
Cross-section, metric	0.5 mm ²
Jacket material	Special PVC
Jacket color	grey similar to RAL 7001
Outer Ø	11.4 mm
Outer Ø	0.45 inch

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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Weight	18.7 kg/100 m
Weight	125.6 Lbs/Mft
Cu-Index	11.8 kg/100 m
Cu-Index	65.7 Lbs/Mft

Construction Element 1

Element construction	(6x2x0.5)
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. 85 %
Jacket characteristics	Flame-retardant Oil resistant Acid-resistant Alkali-resistant Silicone free

Technical data

Rated voltage	300 V
Test voltage type	AC 2000 V
Temperature according to UL	80 °C
Temperature range moving	-10 °C ... +70 °C
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius moving	15xD
Minimum bending radius fixed	6xD

Technical Data Element 1

Element construction	(6x2x0.5)
Insulation resistance at 20 °C	≥20 MΩ×km
Operating capacitance wire-wire	approx.110 pF/m
Operating capacitance wire-shield	approx.160 pF/m

Certifications/Standards

Certifications	cURus
UL style	AWM 2464

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Conformity	CE RoHS REACH
Burning behavior according to	IEC 60332-1 DIN EN 60332-1-2 VDE 0482 322-1-2 UL 1581 part VW-1 Flame Test UL FT1

General

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