

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

Shielded electronic cable, paired

PVC electronic cables · shielded



| | | |
|-----------------------|----------|----------------------|
| Identification | Type | LIY(C)Y TP(16×2×0,5) |
| | Part-No. | 110647 |

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 | (16×2×0.5) |
| Jacket material | Special PVC |
| Jacket color | grey RAL 7032 |
| Outer Ø | 16.5 mm |
| Surface | adhesion-free matt |

27.01.2017 – Subject to technical modification

Part-No. 110647

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Weight 40 kg/100 m
Cu-Index 25.1 kg/100 m

Element 1

Element construction (16×2×0,5)
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 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 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 (16×2×0,5)
Insulation resistance at 20°C 20.0 MΩ×km
Operating capacitance wire-shield 160 pF/m

Approvals/Standards

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| | |
|------------------|---|
| 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



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