

UNITRONIC® Li2YCY PiMF

Screened data transmission cable with PE core insulation and pairs in metalfoil

UNITRONIC® Li2YCY PiMF: Low-frequency low-capacitance screened PVC data cable with DIN 47100 coded PE core Pairs in Metal Foil, RS422/ RS485 interface wiring

Info

Metal foil screened pairs



Interference signals

Benefits

Data transmission cable with low capacitance, pair screening and overall copper braiding
Particularly suitable for wiring data systems and controls in large industrial plants
Individually screened pairs and the overall braid minimise electrical interference
Decoupling of circuits by means of
twisted-pair (TP) design (crosstalk effects)

Application range

For enhanced requirements in near-end cross-talk attenuation and high electrical interference in the circuits
Suitable for the transmission with varying in frequency and voltage or sensitive signals
Can be used multifunctional in electronics of computer systems, electronic control equipment, office machines, balances, etc.
For measurement value transmission and serial 2-wire interfaces
Intended for limited flexible use, and for fixed installation in dry or damp interiors

Product features

Flame-retardant according IEC 60332-1-2

Product Make-up

7-wire or fine-wire (from 1 mm²) strands made of bare copper wires
Core insulation made of polyethylene (PE)
Cores twisted into pairs

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Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

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Foil wrapping, static screening made of aluminium-laminated plastic film with copper drain wire for each pair
Bare copper screen braiding
Outer sheath made of PVC
Outer sheath colour: grey (similar to pebble grey/ RAL 7032)

Technical Data

| | |
|---------------------------|--|
| Classification ETIM 5: | ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable |
| Classification ETIM 6: | ETIM 6.0 Class-ID: EC000104 ETIM 6.0 Class-Description: Control cable |
| Core identification code: | 0.22 mm ² -0.5 mm ² : according to DIN 47100, see table T9 1.0 mm ² : a-core: white, b-core: black |
| Mutual capacitance: | At 800 Hz: 0.22 mm ² : max. 70 nF/km 0.34 mm ² : max. 70 nF/km 0.5 mm ² : max. 75 nF/km 1.0 mm ² : max. 85 nF/km |
| Inductivity: | Approx. 0.4 mH/km |
| Conductor stranding: | Stranded conductor, based on VDE 0881, 7-wire |
| Minimum bending radius: | Occasional flexing: 20 x outer diameter Fixed installation: 10 x outer diameter |
| Test voltage: | Core/core: 2000 V Core/screen: 1000 V |
| Characteristic impedance: | approx. 85 Ohm (> 1 MHz) |
| Temperature range: | Occasional flexing: -5 °C to +70 °C Fixed installation: -40 °C to +80 °C |

Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum

Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).

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Prices are net prices without VAT and surcharges. Sale to business customers only.

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| Article number | Number of pairs and mm ² per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|------------------------|---|---------------------|----------------------|----------------|
| UNITRONIC® Li2YCY PiMF | | | | |
| 7-wire | | | | |
| 0034040 | 2 x 2 x 0.22 | 7.7 | 33 | 75.4 |
| 0034041 | 3 x 2 x 0.22 | 8.1 | 42 | 86 |
| 0034042 | 4 x 2 x 0.22 | 8.7 | 50 | 99 |
| 0034043 | 8 x 2 x 0.22 | 10.9 | 85 | 161.4 |
| 0034044 | 10 x 2 x 0.22 | 12 | 100 | 186.4 |
| 0034045 | 2 x 2 x 0.34 | 9 | 43 | 70 |
| 0034046 | 3 x 2 x 0.34 | 9.4 | 55 | 85 |
| 0034047 | 4 x 2 x 0.34 | 9.8 | 64 | 103 |
| 0034048 | 8 x 2 x 0.34 | 12.9 | 127 | 191 |
| 0034060 | 2 x 2 x 0.5 | 9.9 | 51 | 96 |
| 0034061 | 3 x 2 x 0.5 | 10.4 | 66 | 116 |
| 0034062 | 4 x 2 x 0.5 | 11.3 | 71 | 141 |
| 0034063 | 5 x 2 x 0.5 | 11.8 | 92 | 180 |
| 0034064 | 8 x 2 x 0.5 | 14.5 | 153 | 271 |
| 0034065 | 10 x 2 x 0.5 | 16.6 | 182 | 327 |
| Fine wire | | | | |
| 0034070 | 2 x 2 x 1 | 11.7 | 82 | 126 |
| 0034071 | 3 x 2 x 1 | 11.8 | 109 | 196 |
| 0034072 | 4 x 2 x 1 | 12.7 | 133 | 220 |
| 0034073 | 10 x 2 x 1 | 19.7 | 326 | 492 |

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