

UNITRONIC® Li2YCY (TP)

Screened data transmission cable mit PE core insulation, 7-wire strands and twisted pairs

UNITRONIC® Li2YCY (TP): Low-frequency low-capacitance screened PVC data cable with DIN 47100 coded Twisted PE single core pairs, RS422/ RS485 interface wiring

Info

Cables for RS485/RS422



Interference signals

Benefits

Overall braid minimises electrical interference

Decoupling of circuits by means of twisted-pair (TP) design (crosstalk effects)

Application range

Particularly suitable for wiring data systems with transmission rates up to 10 Megabits per second, and is qualified for the RS422 and RS485 interfaces.

For fixed and limited flexible installation

Can be used in dry or damp rooms

Signal-, control- and measuring cable, for transmission of low, sensitive signals and high bit rates

UNITRONIC®

Li2YCYv (TP) with its reinforced, nominal/ minimum average wall thickness of at least 1.8 mm of the black outer sheath (Yv) is designed for indoor and outdoor use as well as for applications where a reinforced outer sheath may turn out to be advantageous

Product features

Flame-retardant according IEC 60332-1-2

Norm references / Approvals

Last Update (17.12.2018)

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Product Management www.lappkabel.de

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

PN 0456 / 02_03.16

UNITRONIC® Li2YCY (TP)

Based on VDE 0812

Product Make-up

7-wire bare stranded copper conductor
Core insulation made of polyethylene (PE)
TP structure
Tinned-copper braiding
Outer sheath made of PVC
Outer sheath colour: 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: | DIN 47100, refer to Appendix T9 |
| Mutual capacitance: | At 800 Hz: max. 60 nF/km |
| Inductivity: | approx. 0.65 mH/km |
| Conductor stranding: | Stranded conductor, based on VDE 0881, 7-wire |
| Minimum bending radius: | Occasional flexing: 15 x outer diameter Fixed installation: 6 x outer diameter |
| Short-range crosstalk attenuation: | Up to 1 MHz min. 50 dB Up to 10 MHz min. 40 dB |
| Test voltage: | Core/core: 2000 V Core/screen: 1000 V |
| Characteristic impedance: | 100 ± 15 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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Photographs and graphics are not to scale and do not represent detailed images of the respective products.

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

| Article number | Number of pairs and mm ² per conductor | Outer diameter [mm] | Copper index (kg/km) |
|------------------------|---|---------------------|----------------------|
| UNITRONIC® Li2YCY (TP) | | | |
| 0031320 | 2 x 2 x 0.22 | 6.5 | 24.2 |
| 0031321 | 3 x 2 x 0.22 | 7.1 | 28.6 |
| 0031322 | 4 x 2 x 0.22 | 7.3 | 34.2 |
| 0031323 | 8 x 2 x 0.22 | 9.1 | 70 |
| 0031324 | 10 x 2 x 0.22 | 10.4 | 76 |
| 0031335 | 1 x 2 x 0.34 | 5.8 | 20 |
| 0031325 | 2 x 2 x 0.34 | 7.7 | 34.1 |
| 0031326 | 3 x 2 x 0.34 | 8.4 | 43 |
| 0031327 | 4 x 2 x 0.34 | 8.7 | 47 |
| 0031328 | 8 x 2 x 0.34 | 11 | 85.8 |
| 0031336 | 1 x 2 x 0.5 | 6.3 | 29 |
| 0031330 | 2 x 2 x 0.5 | 8.5 | 37 |
| 0031331 | 3 x 2 x 0.5 | 9.3 | 55 |
| 0031332 | 4 x 2 x 0.5 | 9.6 | 60 |
| 0031333 | 8 x 2 x 0.5 | 12.7 | 113.3 |
| 0031334 | 10 x 2 x 0.5 | 14.8 | 154 |

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