

# UNITRONIC® Li2YCY (TP) fine-wire

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

UNITRONIC® Li2YCY (TP) fine-wire: LF, Low-capacitance, flexible, screened PVC data cable, DIN 47100, 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 (02.01.2019) ©2019 Lapp Group - Technical changes reserved 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) fine-wire

Based on VDE 0812

## **Product Make-up**

Conductors: Finely stranded bare copper 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, fine-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 Core/core: 2000 V Test voltage: Core/screen: 1000 V Characteristic impedance: 100 ± 15 Ohm (> 1 MHz) Occasional flexing: -5°C to +70°C Temperature range: 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).

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.

Last Update (02.01.2019)	Article number	Number of pairs and mm <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
	UNITRONIC® Li2YCY (TP) fine-wire				
	0031370	1 x 2 x 0.25	5.7	14	38
	0031371	2 x 2 x 0.25	6.9	28	43
	0031372	3 x 2 x 0.25	7.5	39.6	64
	0031373	5 x 2 x 0.25	8.3	50	93

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