
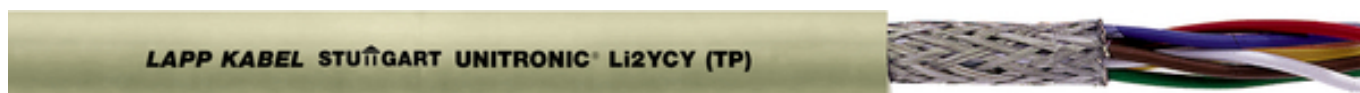


U.I. Lapp GmbH	<b>PRODUCT INFORMATION</b>	
	<b>UNITRONIC® Li2YCY (TP) fine-wire</b>	<b>14.11.2013</b>

Screened data transmission cable mit PE core insulation, fine wire strands and twisted pairs  
 7-wire stranded conductor (UNITRONIC® Li2YCY (TP) and UNITRONIC® Li2YCYv (TP) can be used for Maxi TERMI-POINT® wiring

Overall braid minimises electrical interference

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



Interference signals

### Info

Cables for RS485/RS422

### 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 reinforced black outer sheath (Yv) is suitable for indoors and outdoors, as well as direct burial in the ground

### Design

Similar to UNITRONIC® Li2YCY (TP), but with fine-wire conductor design

### Norm references / Approvals

Based on VDE 0812

### Product features

Flame-retardant according IEC 60332-1-2

### Remark

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

Copper price basis: EUR 150/100kg. 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](http://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 are not to scale and do not represent detailed images of the respective products.

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#### Technical Data

Core identification code:	DIN 47100, refer to Appendix T9
Mutual capacitance:	At 800 Hz: max. 60 nF/km
Peak operating voltage:	(not for power applications) 250 V
Inductivity:	approx. 0.65 mH/km
Specific insulation resistance:	> 5 GOhm x 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
Test voltage:	Core/core: 2000 V Core/screen: 1000 V
Temperature range:	Occasional flexing: -5°C to +70°C Fixed installation: -40°C to +80°C
Characteristic impedance:	100 ± 15 Ohm (> 1 MHz)

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Part number	Number of pairs and mm² 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	14.0	38
0031371	2 x 2 x 0,25	6.9	28.0	56
0031372	3 x 2 x 0,25	7.5	39.6	64
0031373	5 x 2 x 0,25	8.3	50.0	93