

## UNITRONIC® LiYCY (TP)

Screened data transmission cable with colour code acc. to DIN 47100 and twisted pairs

UNITRONIC® LiYCY (TP): Low-frequency PVC data cable, DIN 47100 coded, 0.34<sup>2</sup> Maxi TERMI-POINT®, Twisted pairs, Flame retardant, Screened, Instrumentation Control

### Info

TP = twisted pair



Interference signals

### Benefits

Decoupling of circuits by means of twisted-pair (TP) design (crosstalk effects)  
Overall braid minimises electrical interference

### Application range

Can be used multifunctional in electronics of computer systems, electronic control equipment, office machines, balances, etc.  
Dry or damp rooms

### Product features

Good protection against capacitive interference from electric fields (e.g. power cable)  
Flame-retardant according IEC 60332-1-2

### Norm references / Approvals

Based on VDE 0812

Last Update (13.02.2017)

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

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

PN 0456 / 02\_03.16

## UNITRONIC® LiYCY (TP)

### Product Make-up

Fine-wire strand made of bare copper wires  
 Core insulation made of PVC  
 TP structure  
 Tinned-copper braiding  
 Outer sheath made of PVC  
 Outer sheath colour: pebble grey (RAL 7032)

### Technical Data

Classification:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Core identification code:	DIN 47100, refer to Appendix T9
Mutual capacitance:	C/C: approx. 120 nF/km C/S: approx. 160 nF/km
Peak operating voltage:	(not for power applications) at 0.14 mm <sup>2</sup> : 350 V at ≥ 0.25 mm <sup>2</sup> : 500 V
Inductivity:	approx. 0.65 mH/km
Conductor stranding:	Fine copper wire strands
Minimum bending radius:	Occasional flexing: 15 x outer diameter Fixed installation: 6 x outer diameter
Test voltage:	At 0.14 mm <sup>2</sup> : 1200 V
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](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.

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


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Article number	Dimension and cross section in mm <sup>2</sup>	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
<b>0035830</b>	<b>2 x 2 x 1</b>	<b>9</b>	<b>84</b>	<b>142</b>
0035831	3 x 2 x 1	10.4	96	173
0035832	4 x 2 x 1	11.3	121	212
0035836	5 x 2 x 1	11.8	161	266

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