

## 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

Further dimensions/colours on request

CPR: Article number choice under [www.lappkabel.com/cpr](http://www.lappkabel.com/cpr)



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

### Product Make-up

Last Update (23.04.2024)

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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.

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## UNITRONIC® LiYCY (TP)

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: grey (similar to pebble grey/ RAL 7032)

### Technical Data

|                           |                                                                                   |
|---------------------------|-----------------------------------------------------------------------------------|
| Classification ETIM 5:    | ETIM 5.0 Class-ID: EC000104<br>ETIM 5.0 Class-Description: Control cable          |
| Classification ETIM 6:    | ETIM 6.0 Class-ID: EC000104<br>ETIM 6.0 Class-Description: Control cable          |
| Core identification code: | DIN 47100, refer to Appendix T9                                                   |
| Mutual capacitance:       | C/C: approx. 120 nF/km<br>C/S: approx. 160 nF/km                                  |
| Inductivity:              | approx. 0.65 mH/km                                                                |
| Conductor stranding:      | Fine copper wire strands                                                          |
| Minimum bending radius:   | Occasional flexing: 15 x outer diameter<br>Fixed installation: 6 x outer diameter |
| Temperature range:        | Occasional flexing: -5 °C to +70 °C<br>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 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.

## UNITRONIC® LIYCY (TP)

| Article number        | Dimension and cross section in mm <sup>2</sup> | Outer diameter [mm] | Copper index [kg/km] | Weight [kg/km] |
|-----------------------|------------------------------------------------|---------------------|----------------------|----------------|
| UNITRONIC® LIYCY (TP) |                                                |                     |                      |                |
| 0035131               | 2 x 2 x 0.14                                   | 5.3                 | 18.5                 | 39             |
| 0035141               | 3 x 2 x 0.14                                   | 5.8                 | 23                   | 48             |
| 0035132               | 4 x 2 x 0.14                                   | 6.2                 | 26.6                 | 54             |
| 0035133               | 6 x 2 x 0.14                                   | 7.1                 | 48.5                 | 85             |
| 0035150               | 8 x 2 x 0.14                                   | 8.2                 | 53.7                 | 97             |
| 0035134               | 10 x 2 x 0.14                                  | 8.7                 | 59                   | 110            |
| 0035135               | 12 x 2 x 0.14                                  | 8.9                 | 66                   | 142            |
| 0035136               | 16 x 2 x 0.14                                  | 10.2                | 79                   | 154            |
| 0035142               | 20 x 2 x 0.14                                  | 11.3                | 97                   | 184            |
| 0035137               | 25 x 2 x 0.14                                  | 12.5                | 113                  | 238            |
| 0035800               | 2 x 2 x 0.25                                   | 6.3                 | 28                   | 54             |
| 0035801               | 3 x 2 x 0.25                                   | 7.1                 | 39.6                 | 68.5           |
| 0035802               | 4 x 2 x 0.25                                   | 7.6                 | 44.9                 | 81             |
| 0035803               | 6 x 2 x 0.25                                   | 8.5                 | 69.5                 | 115            |
| 0035804               | 8 x 2 x 0.25                                   | 10.3                | 76.9                 | 130            |
| 0035805               | 10 x 2 x 0.25                                  | 11                  | 102                  | 158            |
| 0035806               | 12 x 2 x 0.25                                  | 11.3                | 120                  | 190            |
| 0035807               | 16 x 2 x 0.25                                  | 12.5                | 146.5                | 238            |
| 0035808               | 25 x 2 x 0.25                                  | 16.1                | 205                  | 344            |
| 0035810               | 2 x 2 x 0.5                                    | 7.9                 | 48.1                 | 93             |
| 0035811               | 3 x 2 x 0.5                                    | 8.7                 | 73.7                 | 116            |
| 0035812               | 4 x 2 x 0.5                                    | 9.4                 | 82                   | 127            |
| 0035813               | 6 x 2 x 0.5                                    | 11.1                | 110                  | 198            |
| 0035814               | 8 x 2 x 0.5                                    | 13.1                | 139                  | 259            |
| 0035816               | 12 x 2 x 0.5                                   | 14.9                | 198.3                | 354            |
| 0035817               | 16 x 2 x 0.5                                   | 16.5                | 240                  | 459            |
| 0035820               | 2 x 2 x 0.75                                   | 8.5                 | 58                   | 106            |
| 0035821               | 3 x 2 x 0.75                                   | 9.4                 | 84                   | 140            |
| 0035822               | 4 x 2 x 0.75                                   | 10.7                | 108                  | 179            |
| 0035827               | 5 x 2 x 0.75                                   | 11.1                | 126                  | 215            |
| 0035823               | 6 x 2 x 0.75                                   | 12.1                | 146                  | 246            |
| 0035824               | 8 x 2 x 0.75                                   | 14.7                | 180                  | 305            |
| 0035825               | 12 x 2 x 0.75                                  | 16.2                | 261                  | 456            |
|                       |                                                |                     |                      |                |

**UNITRONIC® LIYCY (TP)**

| Article number | Dimension and cross section in mm <sup>2</sup> | Outer diameter [mm] | Copper index [kg/km] | Weight [kg/km] |
|----------------|------------------------------------------------|---------------------|----------------------|----------------|
| 0035830        | 2 x 2 x 1.0                                    | 9                   | 84                   | 142            |
| 0035831        | 3 x 2 x 1.0                                    | 10                  | 96                   | 173            |
| 0035832        | 4 x 2 x 1.0                                    | 11.3                | 121                  | 212            |
| 0035836        | 5 x 2 x 1.0                                    | 11.8                | 161                  | 266            |