

## UNITRONIC® LiYCY

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

UNITRONIC® LiYCY: Low-frequency PVC data cable DIN 47100 coded Flexible (0.34mm<sup>2</sup> multi-wire Maxi TERMIN-POINT®) Flame retardant Screened, Instrumentation Control

### Info

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



Interference signals

### Benefits

Overall braid minimises electrical interference  
Multifunctional application possibilities

### Application range

Screened cables with small dimensions are suitable for use in computer systems, instrumentation technology, office equipment, balances.  
Dry or damp rooms

### Product features

Flame-retardant according IEC 60332-1-2

### Norm references / Approvals

Based on VDE 0812

### Product Make-up

Fine-wire/multi-wire (0.34 mm<sup>2</sup>) strand made of bare copper wires  
Core insulation made of PVC  
Tinned-copper braiding

Last Update (29.09.2021)

©2021 Lapp Group - Technical changes reserved

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

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 without colour repetition, 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:      | Stranded, fine-wire<br>0.34 mm <sup>2</sup> : 7-wire                              |
| 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

| Article number   | Number of cores and mm² per conductor | Outer diameter [mm] | Copper index [kg/km] | Weight [kg/km] |
|------------------|---------------------------------------|---------------------|----------------------|----------------|
| UNITRONIC® LiYCY |                                       |                     |                      |                |
| 0034302          | 2 x 0.14                              | 3.9                 | 12                   | 20             |
| 0034303          | 3 x 0.14                              | 4.1                 | 13                   | 28             |
| 0034304          | 4 x 0.14                              | 4.3                 | 14.3                 | 33             |
| 0034305          | 5 x 0.14                              | 4.6                 | 15.5                 | 38             |
| 0034306          | 6 x 0.14                              | 4.9                 | 18.2                 | 38             |
| 0034307          | 7 x 0.14                              | 4.9                 | 19                   | 49             |
| 0034308          | 8 x 0.14                              | 5.8                 | 21.2                 | 56             |
| 0034310          | 10 x 0.14                             | 6.1                 | 28.5                 | 66             |
| 0034312          | 12 x 0.14                             | 6.3                 | 30.4                 | 78             |
| 0034314          | 14 x 0.14                             | 6.7                 | 32                   | 80             |
| 0034315          | 15 x 0.14                             | 6.9                 | 37.8                 | 86             |
| 0034316          | 16 x 0.14                             | 7                   | 43                   | 90             |
| 0034318          | 18 x 0.14                             | 7.3                 | 48.8                 | 95             |
| 0034320          | 20 x 0.14                             | 7.7                 | 53.9                 | 100            |
| 0034321          | 21 x 0.14                             | 7.9                 | 55.5                 | 105            |
| 0034324          | 24 x 0.14                             | 8.3                 | 61                   | 112            |
| 0034325          | 25 x 0.14                             | 8.5                 | 63                   | 120            |
| 0034328          | 28 x 0.14                             | 8.5                 | 66.1                 | 141            |
| 0034330          | 30 x 0.14                             | 8.7                 | 69                   | 155            |
| 0034336          | 36 x 0.14                             | 9.3                 | 83                   | 170            |
| 0034340          | 40 x 0.14                             | 10.4                | 87.5                 | 178            |
| 0034344          | 44 x 0.14                             | 10.7                | 110.5                | 185            |
| 0034350          | 50 x 0.14                             | 11.1                | 122.5                | 195            |
| 0034402          | 2 x 0.25                              | 4.5                 | 16                   | 32             |
| 0034403          | 3 x 0.25                              | 4.7                 | 21                   | 37             |
| 0034404          | 4 x 0.25                              | 5                   | 24                   | 41.3           |
| 0034405          | 5 x 0.25                              | 5.6                 | 29                   | 51.2           |
| 0034406          | 6 x 0.25                              | 6                   | 30                   | 58             |
| 0034407          | 7 x 0.25                              | 6                   | 37                   | 65             |
| 0034408          | 8 x 0.25                              | 7.1                 | 42                   | 73             |
| 0034410          | 10 x 0.25                             | 7.5                 | 46                   | 82             |
| 0034412          | 12 x 0.25                             | 7.7                 | 53                   | 98             |
| 0034414          | 14 x 0.25                             | 8                   | 59                   | 99             |
|                  |                                       |                     |                      |                |

## UNITRONIC® LIYCY

| Article number | Number of cores and mm² per conductor | Outer diameter [mm] | Copper index [kg/km] | Weight [kg/km] |
|----------------|---------------------------------------|---------------------|----------------------|----------------|
| 0034415        | 15 x 0.25                             | 8.3                 | 61                   | 111            |
| 0034416        | 16 x 0.25                             | 8.4                 | 64                   | 119            |
| 0034418        | 18 x 0.25                             | 8.8                 | 83                   | 125            |
| 0034420        | 20 x 0.25                             | 9.3                 | 88                   | 136            |
| 0034421        | 21 x 0.25                             | 9.6                 | 93                   | 161            |
| 0034425        | 25 x 0.25                             | 10.7                | 114                  | 172            |
| 0034428        | 28 x 0.25                             | 10.8                | 126                  | 181.1          |
| 0034432        | 32 x 0.25                             | 11.4                | 138                  | 203            |
| 0034436        | 36 x 0.25                             | 11.8                | 148                  | 220            |
| 0034440        | 40 x 0.25                             | 12.7                | 157                  | 248            |
| 0034450        | 50 x 0.25                             | 13.8                | 178                  | 318            |
| 0034461        | 61 x 0.25                             | 15                  | 205                  | 365.2          |
| 0034502        | 2 x 0.34                              | 4.9                 | 21                   | 37             |
| 0034503        | 3 x 0.34                              | 5.1                 | 27                   | 42             |
| 0034504        | 4 x 0.34                              | 5.7                 | 28                   | 52             |
| 0034505        | 5 x 0.34                              | 6.2                 | 30                   | 60             |
| 0034506        | 6 x 0.34                              | 6.8                 | 45                   | 64             |
| 0034507        | 7 x 0.34                              | 6.8                 | 48                   | 75             |
| 0034508        | 8 x 0.34                              | 7.8                 | 52                   | 94             |
| 0034510        | 10 x 0.34                             | 8.3                 | 74                   | 105            |
| 0034512        | 12 x 0.34                             | 8.5                 | 80                   | 123            |
| 0034514        | 14 x 0.34                             | 8.9                 | 86                   | 154            |
| 0034515        | 15 x 0.34                             | 9.2                 | 90                   | 155            |
| 0034516        | 16 x 0.34                             | 9.4                 | 94                   | 160            |
| 0034518        | 18 x 0.34                             | 10.2                | 103                  | 173            |
| 0034520        | 20 x 0.34                             | 10.7                | 112                  | 192            |
| 0034521        | 21 x 0.34                             | 11.1                | 116                  | 199.2          |
| 0034525        | 25 x 0.34                             | 11.9                | 135                  | 259            |
| 0034528        | 28 x 0.34                             | 12                  | 153                  | 280            |
| 0034530        | 30 x 0.34                             | 12.3                | 159                  | 291.1          |
| 0034532        | 32 x 0.34                             | 13                  | 165                  | 305            |
| 0034536        | 36 x 0.34                             | 13.4                | 179                  | 331            |
| 0034540        | 40 x 0.34                             | 14.8                | 200                  | 365            |
| 0034550        | 50 x 0.34                             | 15.9                | 235                  | 431            |
|                |                                       |                     |                      |                |

## UNITRONIC® LIYCY

| Article number | Number of cores and mm² per conductor | Outer diameter [mm] | Copper index [kg/km] | Weight [kg/km] |
|----------------|---------------------------------------|---------------------|----------------------|----------------|
| 0034602        | 2 x 0.5                               | 5.6                 | 29                   | 47             |
| 0034603        | 3 x 0.5                               | 5.9                 | 38                   | 55             |
| 0034604        | 4 x 0.5                               | 6.3                 | 43                   | 70             |
| 0034605        | 5 x 0.5                               | 7                   | 51                   | 90             |
| 0034606        | 6 x 0.5                               | 7.6                 | 59                   | 104            |
| 0034607        | 7 x 0.5                               | 7.6                 | 65                   | 112            |
| 0034608        | 8 x 0.5                               | 8.7                 | 70                   | 120            |
| 0034610        | 10 x 0.5                              | 9.3                 | 88                   | 139            |
| 0034612        | 12 x 0.5                              | 9.6                 | 99                   | 177            |
| 0034618        | 18 x 0.5                              | 11.8                | 134                  | 239            |
| 0034620        | 20 x 0.5                              | 12.1                | 149                  | 276            |
| 0034625        | 25 x 0.5                              | 13.7                | 211                  | 352            |
| 0034630        | 30 x 0.5                              | 14.5                | 230                  | 397            |
| 0034702        | 2 x 0.75                              | 6                   | 38                   | 53             |
| 0034703        | 3 x 0.75                              | 6.3                 | 49                   | 65             |
| 0034704        | 4 x 0.75                              | 7                   | 58                   | 79             |
| 0034705        | 5 x 0.75                              | 7.6                 | 67                   | 109            |
| 0034707        | 7 x 0.75                              | 8.2                 | 100                  | 156            |
| 0034710        | 10 x 0.75                             | 10.5                | 130                  | 187            |
| 0034712        | 12 x 0.75                             | 10.8                | 154                  | 218            |
| 0034718        | 18 x 0.75                             | 13                  | 195                  | 327            |
| 0034725        | 25 x 0.75                             | 15.3                | 280                  | 454            |
| 0034730        | 30 x 0.75                             | 15.8                | 312                  | 486            |
| 0034802        | 2 x 1.0                               | 6.3                 | 43                   | 72             |
| 0034803        | 3 x 1.0                               | 6.8                 | 56                   | 90             |
| 0034804        | 4 x 1.0                               | 7.3                 | 68                   | 109            |
| 0034805        | 5 x 1.0                               | 8                   | 79                   | 126            |
| 0034807        | 7 x 1.0                               | 8.6                 | 118                  | 171            |
| 0034810        | 10 x 1.0                              | 11.1                | 140                  | 228            |
| 0034812        | 12 x 1.0                              | 11.4                | 168                  | 259            |
| 0034818        | 18 x 1.0                              | 13.4                | 252                  | 389            |
| 0034825        | 25 x 1.0                              | 16.2                | 335                  | 517            |
| 0034902        | 2 x 1.5                               | 7.1                 | 58                   | 90             |
| 0034903        | 3 x 1.5                               | 7.5                 | 74                   | 115            |
|                |                                       |                     |                      |                |

**UNITRONIC® LIYCY**

| Article number | Number of cores and mm <sup>2</sup> per conductor | Outer diameter [mm] | Copper index [kg/km] | Weight [kg/km] |
|----------------|---------------------------------------------------|---------------------|----------------------|----------------|
| 0034904        | 4 x 1.5                                           | 8.1                 | 108                  | 129            |
| 0034905        | 5 x 1.5                                           | 8.8                 | 129                  | 176            |
| 0034907        | 7 x 1.5                                           | 9.5                 | 164                  | 220            |
| 0034912        | 12 x 1.5                                          | 12.7                | 254                  | 376            |
| 0034918        | 18 x 1.5                                          | 15.3                | 350                  | 519            |
| 0034925        | 25 x 1.5                                          | 17.9                | 550                  | 901            |

Last Update (29.09.2021)

©2021 Lapp Group - Technical changes reserved

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