

## UNITRONIC® LiYY

Data transmission cable with colour code acc. to DIN 47100

UNITRONIC® LiYY: Low-frequency PVC data cable DIN47100 coded Flexible (0.34mm<sup>2</sup> multi-wire Maxi TERMI-POINT®)  
Flame retardant, Instrumentation Control Automation

### Info

The classic for multi-functional use

Further dimensions/colours on request

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



### Benefits

Space-saving installation due to small cable diameters

Multifunctional application possibilities

Depending on the quantity, the outer sheath can also be produced in other colours to match your application needs

### Application range

UNITRONIC® LiYY is also used as a control and signal cable in electronics of computer systems, electronic control equipment, office machines, balances, etc.

Dry or damp rooms

Occasional flexing

### Product features

Despite the large number of cores, LiYY data cables have small outer diameters

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

Outer sheath made of PVC

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## UNITRONIC® LiYY

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:       | Approx. 120 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: 10 x outer diameter<br>Fixed installation: 4 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® LiYY

| Article number  | Number of cores and mm <sup>2</sup> per conductor | Outer diameter [mm] | Copper index [kg/km] | Weight [kg/km] |
|-----------------|---|---------------------|----------------------|----------------|
| UNITRONIC® LiYY |   |                     |                      |                |
| 0028202         | 2 x 0.14  | 3.2                 | 2.7                  | 13.2           |
| 0028203         | 3 x 0.14  | 3.4                 | 4.05                 | 16             |
| 0028204         | 4 x 0.14  | 3.6                 | 5.4                  | 18.9           |
| 0028205         | 5 x 0.14  | 3.9                 | 6.72                 | 22.2           |
| 0028207         | 7 x 0.14  | 4.2                 | 9.45                 | 28.4           |
| 0028208         | 8 x 0.14  | 4.9                 | 10.2                 | 35.2           |
| 0028210         | 10 x 0.14   | 5.2                 | 13.5                 | 41.2           |
| 0028212         | 12 x 0.14   | 5.6                 | 16.2                 | 48.4           |
| 0028214         | 14 x 0.14   | 5.8                 | 18.9                 | 52.9           |
| 0028216         | 16 x 0.14   | 6.1                 | 21.6                 | 59.1           |
| 0028220         | 20 x 0.14   | 7                   | 27                   | 70.8           |
| 0028225         | 25 x 0.14   | 7.8                 | 33.6                 | 87.2           |
| 0028236         | 36 x 0.14   | 8.6                 | 48.6                 | 126.8          |
| 0028237         | 37 x 0.14   | 8.9                 | 49.7                 | 118            |
| 0028240         | 40 x 0.14   | 9.3                 | 54                   | 139.1          |
| 0028250         | 50 x 0.14   | 10.4                | 67.5                 | 170.9          |
| 0028256         | 56 x 0.14   | 10.7                | 78.4                 | 187            |
| 0028302         | 2 x 0.25  | 3.8                 | 4.8                  | 18             |
| 0028303         | 3 x 0.25  | 4                   | 7.2                  | 22             |
| 0028304         | 4 x 0.25  | 4.3                 | 9.6                  | 26.2           |
| 0028305         | 5 x 0.25  | 4.7                 | 12                   | 31             |
| 0028306         | 6 x 0.25  | 5.1                 | 14.4                 | 39             |
| 0028307         | 7 x 0.25  | 5.1                 | 16.8                 | 42             |
| 0028308         | 8 x 0.25  | 6.2                 | 19.2                 | 49.2           |
| 0028310         | 10 x 0.25   | 6.8                 | 24                   | 58             |
| 0028312         | 12 x 0.25   | 7                   | 28.8                 | 67             |
| 0028314         | 14 x 0.25   | 7.3                 | 33.6                 | 75.3           |
| 0028316         | 16 x 0.25   | 7.7                 | 38.4                 | 84.3           |
| 0028318         | 18 x 0.25   | 8.1                 | 43.2                 | 93             |
| 0028320         | 20 x 0.25   | 8.6                 | 48                   | 102            |
| 0028325         | 25 x 0.25   | 9.6                 | 60                   | 134            |
| 0028330         | 30 x 0.25   | 10.3                | 72                   | 155            |
| 0028332         | 32 x 0.25   | 10.7                | 76.8                 | 164            |

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| Article number | Number of cores and mm <sup>2</sup> per conductor | Outer diameter [mm] | Copper index [kg/km] | Weight [kg/km] |
|----------------|---|---------------------|----------------------|----------------|
| 0028336        | 36 x 0.25   | 11.1                | 86.4                 | 182.2          |
| 0028337        | 37 x 0.25   | 11.4                | 88.8                 | 185            |
| 0028340        | 40 x 0.25   | 12                  | 96.1                 | 200            |
| 0028350        | 50 x 0.25   | 12.9                | 120                  | 257.1          |
| 0028402        | 2 x 0.34  | 4.2                 | 6.6                  | 25             |
| 0028403        | 3 x 0.34  | 4.4                 | 9.9                  | 31             |
| 0028404        | 4 x 0.34  | 4.8                 | 13.1                 | 43.2           |
| 0028405        | 5 x 0.34  | 5.5                 | 16.5                 | 53.8           |
| 0028406        | 6 x 0.34  | 5.9                 | 19.6                 | 55             |
| 0028407        | 7 x 0.34  | 5.9                 | 22.8                 | 62             |
| 0028408        | 8 x 0.34  | 7.1                 | 26.1                 | 73.1           |
| 0028410        | 10 x 0.34   | 7.6                 | 32.6                 | 82             |
| 0028412        | 12 x 0.34   | 7.8                 | 39.1                 | 102            |
| 0028414        | 14 x 0.34   | 8.2                 | 45.7                 | 109            |
| 0028416        | 16 x 0.34   | 8.7                 | 52                   | 127            |
| 0028420        | 20 x 0.34   | 9.6                 | 65.2                 | 159.3          |
| 0028421        | 21 x 0.34   | 10.4                | 68.6                 | 167            |
| 0028425        | 25 x 0.34   | 11.2                | 81.6                 | 190            |
| 0028430        | 30 x 0.34   | 11.6                | 98                   | 226            |
| 0028436        | 36 x 0.34   | 12.5                | 118                  | 284            |
| 0028440        | 40 x 0.34   | 13.5                | 131                  | 317            |
| 0028450        | 50 x 0.34   | 15                  | 163                  | 407            |
| 0028502        | 2 x 0.5   | 4.7                 | 9.6                  | 30             |
| 0028503        | 3 x 0.5   | 5                   | 14.4                 | 39             |
| 0028504        | 4 x 0.5   | 5.6                 | 19.2                 | 49             |
| 0028505        | 5 x 0.5   | 6.1                 | 24                   | 65             |
| 0028507        | 7 x 0.5   | 6.9                 | 33.6                 | 82             |
| 0028508        | 8 x 0.5   | 8                   | 38.4                 | 90             |
| 0028510        | 10 x 0.5  | 8.6                 | 48                   | 117            |
| 0028512        | 12 x 0.5  | 8.9                 | 58                   | 133            |
| 0028516        | 16 x 0.5  | 10.2                | 77                   | 170            |
| 0028520        | 20 x 0.5  | 11.4                | 96                   | 214            |
| 0028525        | 25 x 0.5  | 12.7                | 120                  | 265            |
| 0028530        | 30 x 0.5  | 13.2                | 144                  | 304            |
|                |   |                     |                      |                |

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|----------------|---|---------------------|----------------------|----------------|
| 0028540        | 40 x 0.5  | 15.8                | 192                  | 392            |
| 0028602        | 2 x 0.75  | 5.1                 | 14.4                 | 48             |
| 0028603        | 3 x 0.75  | 5.6                 | 21.6                 | 57             |
| 0028604        | 4 x 0.75  | 6.1                 | 28.8                 | 69             |
| 0028605        | 5 x 0.75  | 6.9                 | 36                   | 78             |
| 0028607        | 7 x 0.75  | 7.5                 | 50                   | 112            |
| 0028608        | 8 x 0.75  | 8.7                 | 58                   | 126            |
| 0028610        | 10 x 0.75   | 9.4                 | 72                   | 149            |
| 0028612        | 12 x 0.75   | 10.1                | 86                   | 176            |
| 0028616        | 16 x 0.75   | 11.2                | 115                  | 218            |
| 0028620        | 20 x 0.75   | 12.4                | 144                  | 274            |
| 0028625        | 25 x 0.75   | 14                  | 180                  | 320            |
| 0028702        | 2 x 1.0   | 5.6                 | 19.2                 | 55             |
| 0028703        | 3 x 1.0   | 5.9                 | 29                   | 70             |
| 0028704        | 4 x 1.0   | 6.4                 | 38.4                 | 79             |
| 0028705        | 5 x 1.0   | 7.3                 | 48                   | 98             |
| 0028802        | 2 x 1.5   | 6.2                 | 29                   | 74             |
| 0028803        | 3 x 1.5   | 6.8                 | 43                   | 89             |
| 0028804        | 4 x 1.5   | 7.4                 | 58                   | 105            |

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