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| U.I. Lapp<br>GmbH | <b>PRODUCT INFORMATION</b> |  |
|                   | <b>UNITRONIC® LIYCY A</b>  | 05.11.2015   |

Screened data transmission cable with colour code acc. to DIN 47100 – UL/CSA recognized  
Overall braid minimises electrical interference



Interference signals

### Info

A for Advanced here: UL and CSA certifications

### Application range

Wiring of devices, machines and plants intended for export to the North American market or countries where UL-/CSA certified cables are used.

For the North American market

### Product Make-up

Multi-wire strand made of tinned copper wires

Core insulation made of PVC

Tinned-copper braiding

Outer sheath made of special PVC compound

Outer sheath colour: dark grey (RAL 7005)

### Norm references / Approvals

UL AWM Style 2464

CSA AWM I/II A

UL File No. E63634

### Product features

Flame-retardant acc. to IEC 60332-1-2,

UL VW-1 & CSA FT 1

### Remark

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


Copper price basis: EUR 150/100 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 152 m; Drum 305 m

Photographs are not to scale and do not represent detailed images of the respective products.

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| U.I. Lapp<br>GmbH | <b>PRODUCT INFORMATION</b> |  <b>LAPP GROUP</b> |
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**Technical Data**

|                           |   |
|---------------------------|---|
| Core identification code: | DIN 47100 without colour repetition, refer to Appendix T9                         |
| Peak operating voltage:   | (not for power applications)<br>300 V<br>UL/CSA: 300 V                            |
| Classification:           | ETIM 5.0 Class-ID: EC000830<br>ETIM 5.0 Class-Description: Data cable             |
| Conductor stranding:      | AWG conductor sizes, 7 or 19 wires  |
| Minimum bending radius:   | Occasional flexing: 15 x outer diameter<br>Fixed installation: 6 x outer diameter |
| Test voltage:             | 1500 V  |
| Temperature range:        | Occasional flexing: -5 °C to +70 °C<br>Fixed installation: -40 °C to +80 °C       |

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| Part number        | Number of cores and AWG per conductor | Number of cores and mm <sup>2</sup> per conductor | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|--------------------|---------------------------------------|---|---------------------|----------------------|----------------|
| UNITRONIC® LIYCY A |                                       |   |                     |                      |                |
| 0044602            | 2 x AWG26/7                           | 2 x 0,14  | 4.3                 | 15.6                 | 29.5           |
| 0044604            | 4 x AWG26/7                           | 4 x 0,14  | 4.7                 | 18.0                 | 33             |
| 0044652            | 2 x AWG24/7                           | 2 x 0,23  | 4.7                 | 17.6                 | 36.1           |
| 0044655            | 5 x AWG24/7                           | 5 x 0,23  | 5.5                 | 28.5                 | 51             |
| 0044658            | 8 x AWG24/7                           | 8 x 0,23  | 6.4                 | 31.1                 | 72.2           |
| 0044662            | 12 x AWG24/7                          | 12 x 0,23   | 7.3                 | 51.8                 | 96             |
| 0044702            | 2 x AWG22/7                           | 2 x 0,34  | 5.5                 | 17.6                 | 32             |
| 0044703            | 3 x AWG22/7                           | 3 x 0,34  | 5.7                 | 21.2                 | 36             |
| 0044704            | 4 x AWG22/7                           | 4 x 0,34  | 6.1                 | 27.3                 | 44             |
| 0044705            | 5 x AWG22/7                           | 5 x 0,34  | 6.6                 | 30.8                 | 53             |
| 0044707            | 7 x AWG22/7                           | 7 x 0,34  | 7.1                 | 46.4                 | 71             |
| 0044712            | 12 x AWG22/7                          | 12 x 0,34   | 8.9                 | 66.8                 | 120            |
| 0044716            | 16 x AWG22/7                          | 16 x 0,34   | 9.8                 | 83.9                 | 145            |
| 0044721            | 21 x AWG22/7                          | 21 x 0,34   | 11.3                | 109.4                | 170            |
| 0044732            | 2 x AWG20/7                           | 2 x 0,5   | 6.0                 | 24.4                 | 41             |
| 0044733            | 3 x AWG20/7                           | 3 x 0,5   | 6.3                 | 29.9                 | 47             |
| 0044735            | 5 x AWG20/7                           | 5 x 0,5   | 7.3                 | 49.2                 | 72             |
| 0044738            | 8 x AWG20/7                           | 8 x 0,5   | 8.5                 | 70.8                 | 102            |
| 0044850            | 7 x AWG18/19                          | 7 x 1   | 8.9                 | 93.2                 | 160.8          |
| 0044851            | 10 x AWG18/19                         | 10 x 1  | 11.5                | 130.9                | 200            |