

## UNITRONIC® LiYY A

Data transmission cable with colour code acc. to DIN 47100 - UL/CSA recognized

UNITRONIC® LiYY A: Low-frequency PVC data cable, DIN 47100 color coded, UL CSA AWM, Flexible (0.34<sup>2</sup> Maxi TERMINAL®), Flame retardant, Instrumentation Control

### Info

A for Advanced  
here: UL and CSA certifications  
Further dimensions/colours on request



### Benefits

For various applications

### 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 features

Flame-retardant acc. to IEC 60332-1-2,  
UL VW-1 & CSA FT 1

### Norm references / Approvals

UL AWM Style 2464  
CSA AWM I/II A  
UL File No. E63634

### Product Make-up

Multi-wire strand made of tinned copper wires  
Core insulation made of PVC  
Outer sheath made of special PVC compound  
Outer sheath colour: Dark grey

Last Update (08.02.2026)

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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® LiYY A

### 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  |
| Conductor stranding:      | AWG conductor sizes, 7 or 19 wires   |
| Minimum bending radius:   | Occasional flexing: 15 x outer diameter<br>Fixed installation: 4 x Outer diameter                                |
| Nominal voltage:          | UL/CSA: 300 V  |
| Test voltage:             | 1500 V   |
| Temperature range:        | Occasional flexing: -5°C up to +70°C (UL: +80 °C)<br>Fixed installation (IEC): -40°C bis +80°C<br>UL: max. +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 152 m; Drum 305 m

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.

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| Article number    | Number of cores and AWG per conductor | Outer diameter [mm] | Copper index [kg/km] | Weight [kg/km] |
|-------------------|---------------------------------------|---------------------|----------------------|----------------|
| UNITRONIC® LiYY A |                                       |                     |                      |                |
| 0022403           | 3 x AWG26/7                           | 3.8                 | 4.2                  | 18             |
| 0022404           | 4 x AWG26/7                           | 4                   | 5.6                  | 23             |
| 0022405           | 5 x AWG26/7                           | 4.3                 | 7                    | 25             |
| 0022408           | 8 x AWG26/7                           | 5.1                 | 11.2                 | 34             |
| 0022412           | 12 x AWG26/7                          | 5.8                 | 16.8                 | 47             |
| 0022416           | 16 x AWG26/7                          | 6.3                 | 22.4                 | 58             |
| 0022421           | 21 x AWG26/7                          | 7                   | 29.4                 | 63             |
| 0022502           | 2 x AWG24/7                           | 4                   | 4.6                  | 20             |
| 0022505           | 5 x AWG24/7                           | 4.8                 | 11.5                 | 32             |
| 0022508           | 8 x AWG24/7                           | 5.7                 | 18.4                 | 46             |
| 0022512           | 12 x AWG24/7                          | 6.6                 | 27.6                 | 64             |
| 0022602           | 2 x AWG22/7                           | 4.8                 | 6.8                  | 32.8           |
| 0022603           | 3 x AWG22/7                           | 5                   | 10.2                 | 35             |
| 0022604           | 4 x AWG22/7                           | 5.4                 | 13.6                 | 45.9           |
| 0022605           | 5 x AWG22/7                           | 5.9                 | 17                   | 55.8           |
| 0022607           | 7 x AWG22/7                           | 6.4                 | 23.3                 | 68.9           |
| 0022608           | 8 x AWG22/7                           | 6.9                 | 27.2                 | 75.5           |
| 0022612           | 12 x AWG22/7                          | 8.2                 | 40.8                 | 103            |
| 0022616           | 16 x AWG22/7                          | 9.1                 | 54.4                 | 131.2          |
| 0022624           | 24 x AWG22/7                          | 11.6                | 81.6                 | 190            |
| 0022632           | 2 x AWG20/7                           | 5.3                 | 11.2                 | 40             |
| 0022642           | 2 x AWG19/19                          | 5.6                 | 15                   | 48             |

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