



UNITRONIC® LiYY A

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

LAPP KABEL STUÏGART UNITRONIC® LiYY A



Info

- A for Advanced here: UL and CSA approvals

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 approved 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 Nr. 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 (RAL 7005)

Technical data



Core identification code

DIN 47100 without colour repetition, refer to Appendix T9



Peak operating voltage

(not for power applications)
300 V
UL/CSA: 300 V



Specific insulation resistance

> 20 GOhm x cm



Conductor stranding

AWG conductor sizes, 7 or 19 wires



Minimum bending radius

Occasional flexing: 15 x outer diameter
Fixed installation: 6 x outer diameter



Test voltage

1500 V



Temperature range

Occasional flexing: -5°C to +70°C
Fixed installation: -40°C to +80°C

| Article number | Number of cores and AWG per conductor | Number of cores and mm ² per conductor | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|--------------------------|---------------------------------------|---|---------------------|----------------------|----------------|
| UNITRONIC® LiYY A | | | | | |
| 0022403 | 3 x AWG26/7 | 3 x 0.14 | 3.8 | 4.2 | 19.7 |
| 0022404 | 4 x AWG26/7 | 4 x 0.14 | 4.0 | 5.6 | 23 |
| 0022405 | 5 x AWG26/7 | 5 x 0.14 | 4.3 | 7.0 | 25 |
| 0022408 | 8 x AWG26/7 | 8 x 0.14 | 5.1 | 11.2 | 34 |
| 0022412 | 12 x AWG26/7 | 12 x 0.14 | 5.8 | 16.8 | 47 |
| 0022416 | 16 x AWG26/7 | 16 x 0.14 | 6.3 | 22.4 | 58 |
| 0022421 | 21 x AWG26/7 | 21 x 0.14 | 7.0 | 29.4 | 63 |
| 0022502 | 2 x AWG24/7 | 2 x 0.23 | 4.0 | 4.6 | 26.2 |
| 0022505 | 5 x AWG24/7 | 5 x 0.23 | 4.8 | 11.5 | 39.4 |
| 0022508 | 8 x AWG24/7 | 8 x 0.23 | 5.7 | 18.4 | 52.5 |
| 0022512 | 12 x AWG24/7 | 12 x 0.23 | 6.6 | 27.6 | 72.2 |
| 0022602 | 2 x AWG22/7 | 2 x 0.34 | 4.8 | 6.8 | 32.8 |
| 0022603 | 3 x AWG22/7 | 3 x 0.34 | 5.0 | 10.2 | 35 |
| 0022604 | 4 x AWG22/7 | 4 x 0.34 | 5.4 | 13.6 | 45.9 |
| 0022605 | 5 x AWG22/7 | 5 x 0.34 | 5.9 | 17.0 | 55.8 |
| 0022607 | 7 x AWG22/7 | 7 x 0.34 | 6.4 | 23.3 | 68.9 |
| 0022608 | 8 x AWG22/7 | 8 x 0.34 | 6.9 | 27.2 | 75.5 |
| 0022612 | 12 x AWG22/7 | 12 x 0.34 | 8.2 | 40.8 | 103 |
| 0022616 | 16 x AWG22/7 | 16 x 0.34 | 9.1 | 54.4 | 131.2 |
| 0022624 | 24 x AWG22/7 | 24 x 0.34 | 11.6 | 81.6 | 190 |
| 0022632 | 2 x AWG20/7 | 2 x 0.50 | 5.3 | 11.2 | 29 |
| 0022642 | 2 x AWG19/19 | 2 x 0.75 | 5.6 | 15.0 | 48 |

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

Copper price basis: EUR 150/100kg. 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

Packaging size: Coil 152 m; Drum 305 m

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

Similar products

- UNITRONIC® LiYCY A refer to page 267
- UNITRONIC® 300 / UNITRONIC® 300 S refer to page 269

Accessories

- SKINTOP® CLICK refer to page 657
- KT 11 cable shears refer to page 907
- DATA STRIP stripping tool refer to page 911