



## 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 <sup>2</sup> per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
<b>UNITRONIC® LiYY A</b>					
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](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.

**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