

UNITRONIC® LiYY

Data transmission cable with colour code acc. to DIN 47100

UNITRONIC® LiYY: Low-frequency PVC data cable DIN47100 coded Flexible (0.34mm² multi-wire Maxi TERMI-POINT®)
Flame retardant, Instrumentation Control Automation

Info

The classic for multi-functional use



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 mm²) strand made of bare copper wires

Core insulation made of PVC

Outer sheath made of PVC

Outer sheath colour: pebble grey (RAL 7032)

Last Update (13.02.2017)

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Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03.16

UNITRONIC® LiYY**Technical Data**

Classification:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Core identification code:	DIN 47100 without colour repetition, refer to Appendix T9
Mutual capacitance:	Approx. 120 nF/km
Peak operating voltage:	(not for power applications) at 0.14 mm ² : 350 V at ≥ 0.25 mm ² : 500 V
Inductivity:	approx. 0.65 mH/km
Conductor stranding:	Stranded, fine-wire 0.34 mm ² : 7-wire
Minimum bending radius:	Occasional flexing: 10 x outer diameter Fixed installation: 4 x outer diameter
Test voltage:	At 0.14 mm ² : 1200 V
Temperature range:	Occasional flexing: -5 °C to +70 °C 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

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 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.

Article number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)
UNITRONIC® LiYY			
0028202	2 x 0.14	3.2	2.7
0028203	3 x 0.14	3.4	4.05
0028204	4 x 0.14	3.6	5.4
0028205	5 x 0.14	3.9	6.72
0028207	7 x 0.14	4.2	9.45
0028208	8 x 0.14	4.9	10.2
0028210	10 x 0.14	5.2	13.5
0028212	12 x 0.14	5.6	16.2
0028214	14 x 0.14	5.8	18.9
0028216	16 x 0.14	6.1	21.6
0028220	20 x 0.14	7	27
0028225	25 x 0.14	7.8	33.6
0028236	36 x 0.14	8.6	48.6
0028237	37 x 0.14	8.9	49.7
0028240	40 x 0.14	9.3	54
0028250	50 x 0.14	10.4	67.5
0028256	56 x 0.14	10.7	78.4
0028302	2 x 0.25	3.8	4.8
0028303	3 x 0.25	4	7.2
0028304	4 x 0.25	4.3	9.6
0028305	5 x 0.25	4.7	12
0028306	6 x 0.25	5.1	14.4
0028307	7 x 0.25	5.1	16.8
0028308	8 x 0.25	6.2	19.2
0028310	10 x 0.25	6.8	24
0028312	12 x 0.25	7	28.8
0028314	14 x 0.25	7.3	33.6
0028316	16 x 0.25	7.7	38.4
0028318	18 x 0.25	8.1	43.2
0028320	20 x 0.25	8.6	48
0028325	25 x 0.25	9.6	60
0028330	30 x 0.25	10.3	72
0028332	32 x 0.25	10.7	76.8

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0028336	36 x 0.25	11.1	86.4
0028337	37 x 0.25	11.4	88.8
0028340	40 x 0.25	12	96.1
0028350	50 x 0.25	12.9	120
0028402	2 x 0.34	4.2	6.6
0028403	3 x 0.34	4.4	9.9
0028404	4 x 0.34	4.8	13.1
0028405	5 x 0.34	5.5	16.5
0028406	6 x 0.34	5.9	19.6
0028407	7 x 0.34	5.9	22.8
0028408	8 x 0.34	7.1	26.1
0028410	10 x 0.34	7.6	32.6
0028412	12 x 0.34	7.8	39.1
0028414	14 x 0.34	8.2	45.7
0028416	16 x 0.34	8.7	52
0028420	20 x 0.34	9.6	65.2
0028421	21 x 0.34	10.4	68.6
0028425	25 x 0.34	11.2	81.6
0028430	30 x 0.34	11.6	98
0028436	36 x 0.34	12.5	118
0028440	40 x 0.34	13.5	131
0028450	50 x 0.34	15	163
0028502	2 x 0.5	4.7	9.6
0028503	3 x 0.5	5	14.4
0028504	4 x 0.5	5.6	19.2
0028505	5 x 0.5	6.1	24
0028507	7 x 0.5	6.9	33.6
0028508	8 x 0.5	8	38.4
0028510	10 x 0.5	8.6	48
0028512	12 x 0.5	8.9	58
0028516	16 x 0.5	10.2	77
0028520	20 x 0.5	11.4	96
0028525	25 x 0.5	12.7	120
0028530	30 x 0.5	13.2	144

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Article number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)
0028540	40 x 0.5	15.8	192
0028602	2 x 0.75	5.1	14.4
0028603	3 x 0.75	5.6	21.6
0028604	4 x 0.75	6.1	28.8
0028605	5 x 0.75	6.9	36
0028607	7 x 0.75	7.5	50
0028608	8 x 0.75	8.7	58
0028610	10 x 0.75	9.4	72
0028612	12 x 0.75	10.1	86
0028616	16 x 0.75	11.2	115
0028620	20 x 0.75	12.4	144
0028625	25 x 0.75	14	180
0028702	2 x 1	5.6	19.2
0028703	3 x 1	5.9	29
0028704	4 x 1	6.4	38.4
0028705	5 x 1	7.3	48
0028802	2 x 1.5	6.2	29
0028803	3 x 1.5	6.8	43
0028804	4 x 1.5	7.4	58

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