

UNITRONIC® LiYY

GG - TECHN. DOKUMENTATION BEPE

By pallaghy at 8:25:27, 18. 7. 2018

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
Further dimensions/colours on request



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

UNITRONIC® LiYY

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)

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000104 ETIM 6.0 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
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 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 mm ² per conductor	Outer diameter [mm]	Copper index [kg/km]	Weight [kg/km]
0028336	36 x 0.25	11.1	86.4	182.2
0028337	37 x 0.25	11.4	88.8	185
0028340	40 x 0.25	12	96.1	200
0028350	50 x 0.25	12.9	120	257.1
0028402	2 x 0.34	4.2	6.6	25
0028403	3 x 0.34	4.4	9.9	31
0028404	4 x 0.34	4.8	13.1	43.2
0028405	5 x 0.34	5.5	16.5	53.8
0028406	6 x 0.34	5.9	19.6	55
0028407	7 x 0.34	5.9	22.8	62
0028408	8 x 0.34	7.1	26.1	73.1
0028410	10 x 0.34	7.6	32.6	82
0028412	12 x 0.34	7.8	39.1	102
0028414	14 x 0.34	8.2	45.7	109
0028416	16 x 0.34	8.7	52	127
0028420	20 x 0.34	9.6	65.2	159.3
0028421	21 x 0.34	10.4	68.6	167
0028425	25 x 0.34	11.2	81.6	190
0028430	30 x 0.34	11.6	98	226
0028436	36 x 0.34	12.5	118	284
0028440	40 x 0.34	13.5	131	317
0028450	50 x 0.34	15	163	407
0028502	2 x 0.5	4.7	9.6	30
0028503	3 x 0.5	5	14.4	39
0028504	4 x 0.5	5.6	19.2	49
0028505	5 x 0.5	6.1	24	65
0028507	7 x 0.5	6.9	33.6	82
0028508	8 x 0.5	8	38.4	90
0028510	10 x 0.5	8.6	48	117
0028512	12 x 0.5	8.9	58	133
0028516	16 x 0.5	10.2	77	170
0028520	20 x 0.5	11.4	96	214
0028525	25 x 0.5	12.7	120	265
0028530	30 x 0.5	13.2	144	304