UNITRONIC® LiYY

Data cable with colour code according to DIN 47100

UNITRONIC® LiYY - PVC data cable with colour code DIN 47100 for use in machinery and apparatus construction and in measurement, control and regulation technology

Info
The classic for multi-functional use



Benefits
Space-saving due to small cable diameters
Versatile application possibilities
Depending on the quantity, the outer sheath can also be produced in other colours on request, e.g. to match the specific colour of a device.

Application range
UNITRONIC® LiYY for use as a control and signal cable in electronics of computer systems, electronic control and regulation equipment, office machines, scales, 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 to IEC 60332-1-2

Norm references / approvals
Based on VDE 0812

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Design

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 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Core identification code:	DIN 47100 without colour repetition, refer to table T9
Operating capacitance:	approx. 120 nF/km
Peak operating voltage:	(not for power applications) at 0.14 mm²: 350 V at ≥ 0.25 mm²: 500 V
Inductance:	approx. 0.65 mH/km
Conductor design:	Strands, fine-wire 0.34 mm²: 7-wire
Minimum bending radius:	Occasional flexing: 10 x outer diameter Fixed installation: 4 x outer diameter
Test voltage:	At 0.14 mm²: 1200 V
Temperature range:	Occasional flexing: -5°C to +70°C Fixed installation: -40°C to +80°C

Note

Unless otherwise specified, the product values shown are nominal values. You can receive further values, such as tolerances, upon request if they available and have been released for publication.
Copper price basis: EUR 150/100 kg; see catalogue appendix T17 for the application and definition of "Metal price basis" and "Metal index"
Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
Packaging: Ring ≤ 30 kg or ≤ 250 m, otherwise drum
Please specify the preferred packaging (e.g. 1 x 500 m drum or 5 x 100 m rings)
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 only.

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PRODUCT INFORMATION

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Article number	Number of cores and mm² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
UNITRONIC® LiYY				
0028202	2 x 0.14	3.2	2.7	13.2
0028203	3 x 0.14	3.4	4.05	16
0028204	4 x 0.14	3.6	5.4	18.9
0028205	5 x 0.14	3.9	6.72	22.2
0028207	7 x 0.14	4.2	9.45	28.4
0028208	8 x 0.14	4.9	10.2	35.2
0028210	10 x 0.14	5.2	13.5	41.2
0028212	12 x 0.14	5.6	16.2	48.4
0028214	14 x 0.14	5.8	18.9	52.9
0028216	16 x 0.14	6.1	21.6	59.1
0028220	20 x 0.14	7	27	70.8
0028225	25 x 0.14	7.8	33.6	87.2
0028236	36 x 0.14	8.6	48.6	126.8
0028237	37 x 0.14	8.9	49.7	118
0028240	40 x 0.14	9.3	54	139.1
0028250	50 x 0.14	10.4	67.5	170.9
0028256	56 x 0.14	10.7	78.4	187
0028302	2 x 0.25	3.8	4.8	18
0028303	3 x 0.25	4	7.2	22
0028304	4 x 0.25	4.3	9.6	26.2
0028305	5 x 0.25	4.7	12	31
0028306	6 x 0.25	5.1	14.4	39
0028307	7 x 0.25	5.1	16.8	42
0028308	8 x 0.25	6.2	19.2	49.2
0028310	10 x 0.25	6.8	24	58
0028312	12 x 0.25	7	28.8	67
0028314	14 x 0.25	7.3	33.6	75.3
0028316	16 x 0.25	7.7	38.4	84.3
0028318	18 x 0.25	8.1	43.2	93
0028320	20 x 0.25	8.6	48	102
0028325	25 x 0.25	9.6	60	134
0028330	30 x 0.25	10.3	72	155
0028332	32 x 0.25	10.7	76.8	164

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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	40
0028503	3 x 0.5	5	14.4	47
0028504	4 x 0.5	5.6	19.2	56
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

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0028540	40 x 0.5	15.8	192	392
0028602	2 x 0.75	5.1	14.4	48
0028603	3 x 0.75	5.6	21.6	57
0028604	4 x 0.75	6.1	28.8	69
0028605	5 x 0.75	6.9	36	78
0028607	7 x 0.75	7.5	50	112
0028608	8 x 0.75	8.7	58	126
0028610	10 x 0.75	9.4	72	149
0028612	12 x 0.75	10.1	86	176
0028616	16 x 0.75	11.2	115	218
0028620	20 x 0.75	12.4	144	274
0028625	25 x 0.75	14	180	285
0028702	2 x 1	5.6	19.2	55
0028703	3 x 1	5.9	29	70
0028704	4 x 1	6.4	38.4	79
0028705	5 x 1	7.3	48	98
0028802	2 x 1.5	6.2	29	74
0028803	3 x 1.5	6.8	43	89
0028804	4 x 1.5	7.4	58	105

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