

### Product Description

Considering economic minimum quantities the outer sheath can also be produced in special colours on request which match the special colour design of a device for example.;essentially resistant against acids, lyes and certain oils at room temperature



### 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 and damp indoors
- Occasional flexing

### Benefits

- Considering economic minimum quantities the outer sheath can also be produced in special colours on request which match the special colour design of a device for example.
- essentially resistant against acids, lyes and certain oils at room temperature

### Design

- Bare copper wire stranded conductor
- PVC core insulation and outer sheath
- Cores twisted in layers
- Colour: pebble grey (RAL 7032)

### Product features

- Despite the large number of cores, LiYY data cables have small outer diameters
- Core colour code in accordance with DIN 47100 but no colour repetition
- Flame retardant according to IEC 60332-1-2

**Technical Data**
**Core identification code**

DIN 47100, Appendix T9, without colour repetition

**Mutual capacitance**

Approx. 120 nF/km

**Peak working voltage**

(not for power applications) at 0.14 mm<sup>2</sup>: 350 V  
at ≥ 0.25 mm<sup>2</sup>: 500 V

**Inductivity**

approx. 0.65 mH/km

**Based on**

VDE 0812

**Specific insulation resistance**

&gt; 20 GOhm x cm

**Conductor stranding**

Strand, fine wire 0.34 mm<sup>2</sup>, 7 wire

**Conductor resistance**

see Appendix T11

**Minimum bending radius**

For flexible applications: 10 x outer diameter

**Test voltage**

At 0.14 mm<sup>2</sup>: 1200 V

> 0.14 mm<sup>2</sup>: 1500 V

**Range of temperature**

Fixed installation: -40°C up to +80°C

Flexing: -5°C up to +70°C

**Article List**

Part number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter in 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	6.75	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	7.0	27.0	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	54.0	139.1
0028250	50 x 0,14	10.4	67.5	170.9
0028256	56 x 0,14	10.7	75.3	187

0028302	2 x 0,25	3.8	4.8	18
0028303	3 x 0,25	4.0	7.2	22
0028304	4 x 0,25	4.3	9.6	26.2
0028305	5 x 0,25	4.7	12.0	31
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	24.0	58
0028312	12 x 0,25	7.0	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	48.0	102
0028325	25 x 0,25	9.6	60.0	134
0028330	30 x 0,25	10.3	72.0	155
0028332	32 x 0,25	10.7	76.8	164
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	12.0	96.1	200
0028350	50 x 0,25	12.9	120.0	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
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	52.0	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	98.0	226
0028436	36 x 0,34	12.5	118.0	284
0028440	40 x 0,34	13.5	131.0	317
0028450	50 x 0,34	15.0	163.0	407
0028502	2 x 0,5	4.7	9.6	40
0028503	3 x 0,5	5.0	14.4	47
0028504	4 x 0,5	5.6	19.2	56
0028505	5 x 0,5	6.1	24.0	65
0028507	7 x 0,5	6.9	33.6	82

0028508	8 x 0,5	8.0	38.4	90
0028510	10 x 0,5	8.6	48.0	117
0028512	12 x 0,5	8.9	58.0	133
0028516	16 x 0,5	10.2	77.0	170
0028520	20 x 0,5	11.4	96.0	214
0028525	25 x 0,5	12.3	120.0	265
0028530	30 x 0,5	13.2	144.0	304
0028540	40 x 0,5	15.8	192.0	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	36.0	78
0028607	7 x 0,75	7.5	50.0	112
0028608	8 x 0,75	8.7	58.0	126
0028610	10 x 0,75	9.4	72.0	149
0028612	12 x 0,75	10.1	86.0	176
0028616	16 x 0,75	11.2	115.0	218
0028620	20 x 0,75	12.4	144.0	274
0028625	25 x 0,75	14.0	180.0	285
0028702	2 x 1	5.6	19.2	55
0028703	3 x 1	5.9	29.0	70
0028705	5 x 1	7.3	48.0	98
0028802	2 x 1,5	6.8	29.0	74
0028803	3 x 1,5	7.2	43.0	89
0028804	4 x 1,5	7.8	58.0	105

**Footnote:**

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

Packaging size: Coil ≤ 30 kg and ≤ 250 m, otherwise drum

Please specify the desired packaging size (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.