

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 mm²: 350 V

at ≥ 0.25 mm²: 500 V

Inductivity

approx. 0.65 mH/km

Based on

VDE 0812

Specific insulation resistance

> 20 GOhm x cm

Conductor stranding

Strand, fine wire 0.34 mm², 7 wire

Conductor resistance

see Appendix T11

Minimum bending radius

For flexible applications: 10 x cable diameter

Test voltage

At 0.14 mm²: 1200 V

> 0.14 mm²: 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 ² 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	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	75.3	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
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
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
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	12.3	120	265
0028530	30 x 0,5	13.2	144	304
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
0028705	5 x 1	7.3	48	98
0028802	2 x 1,5	6.8	29	74
0028803	3 x 1,5	7.2	43	89
0028804	4 x 1,5	7.8	58	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

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.