

Product Description

essentially resistant against acids, lyes and certain oils at room temperature



Application range

- Electronic systems normally have little space available for cable installation. Cable is made especially for short distances and small bending radiuses.
- Dry and damp indoors

Benefits

- essentially resistant against acids, lyes and certain oils at room temperature

Design

- Bare copper wire stranded conductor
- PVC core insulation and outer sheath
- Twisted in pairs to considerably reduce decoupling. Often, no additional screening is required.
- Colour: pebble grey (RAL 7032)

Product features

- Colour code in accordance with DIN 47100
- Flame retardant according to IEC 60332-1-2



Technical Data

Core identification code

DIN 47100, see Appendix T9

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 0814: (DIN 47414) or VDE 0812

Specific insulation resistance

> 20 GOhm x cm

Conductor stranding

Fine copper wire strands

Minimum bending radius

For flexible applications: 10 x outer 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 pairs and conductor cross-section/ mm ²	Outer diameter in mm	Copper index kg/km	Weight kg/km
UNITRONIC® LiYY (TP)				
0035101	2 x 2 x 0,14	4.8	5.4	25.5
0035102	3 x 2 x 0,14	4.9	8.0	32
0035103	4 x 2 x 0,14	5.5	10.7	38.5
0035104	5 x 2 x 0,14	5.7	13.4	45.5
0035105	6 x 2 x 0,14	6.2	16.1	51
0035108	10 x 2 x 0,14	8.0	26.9	77.5
0035110	12 x 2 x 0,14	8.2	32.3	94.5
0035113	16 x 2 x 0,14	9.1	43.0	110.5
0035160	2 x 2 x 0,25	6.1	9.6	38
0035161	3 x 2 x 0,25	6.2	14.4	48
0035162	4 x 2 x 0,25	6.9	19.2	59
0035163	6 x 2 x 0,25	7.8	28.8	80
0035164	8 x 2 x 0,25	9.2	38.4	98
0035165	10 x 2 x 0,25	10.3	48.0	115
0035170	2 x 2 x 0,5	7.9	19.2	72
0035171	3 x 2 x 0,5	8.0	28.8	83
0035172	4 x 2 x 0,5	8.7	38.4	115
0035174	8 x 2 x 0,5	12.2	76.8	206



0035175	10 x 2 x 0,5	13.2	96.0	247
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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 \leq 30 kg and \leq 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.