



UNITRONIC® LiYY (TP)

Data transmission cable with colour code acc. to DIN 47100 and twisted pairs



Info

- TP = twisted pair

Benefits

- Decoupling of circuits by means of twisted-pair (TP) design (crosstalk effects)

Application range

- Electronic devices tend to leave little room for installing cables, meaning short travel distances and small bending radii are required. This cable ideally meets these requirements.
- Dry or damp rooms

Product features

- Twisted in pairs to reduce decoupling. As a result, additional screening is often not required.
- Flame-retardant according IEC 60332-1-2

Norm references / Approvals

- Based on VDE 0812

Product make-up

- Fine-wire strand made of bare copper wires
- Core insulation made of PVC
- TP structure
- Outer sheath made of PVC
Outer sheath colour: pebble grey (RAL 7032)

Technical data



Core identification code

DIN 47100, refer to Appendix T9



Mutual capacitance

Approx. 120 nF/km



Peak operating voltage

(not for power applications)

at 0.14 mm²: 350 V

at ≥ 0.25 mm²: 500 V



Specific insulation resistance

> 20 GΩm x cm



Inductivity

approx. 0.65 mH/km



Conductor stranding

Fine copper wire strands



Minimum bending radius

Occasional flexing: 15 x outer diameter

Fixed installation: 5 x outer diameter



Test voltage

At 0.14 mm²: 1200 V

≥ 0.25 mm²: 1500 V



Temperature range

Occasional flexing: -5°C to +70°C

Fixed installation: -40°C to +80°C

Article number	Number of pairs and conductor cross section (mm ²)	Outer diameter (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

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100kg. 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 are not to scale and do not represent detailed images of the respective products.

Similar products

- UNITRONIC® LiYCY (TP) refer to page 251
- UNITRONIC® LiYCY (TP) A refer to page 268

Accessories

- SKINTOP® CLICK refer to page 657
- KS 15 cable shears refer to page 908