

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

Product Description

Twisted pair (TP) decouples the cable circuits



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

Benefits

- Twisted pair (TP) decouples the cable circuits

Design

- 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)

Product features

- Twisted in pairs to reduce decoupling. As a result, additional screening is often not required.
- Colour-coded in accordance with DIN 47100
- Flame-retardant according to IEC 60332-1-2

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

Inductivity

approx. 0.65 mH/km

Based on

VDE 0812

Specific insulation resistance

> 20 GOhm x cm

Conductor stranding

Fine copper wire strands

Minimum bending radius

For flexible use: 10 x outer diameter

Test voltage

At 0.14 mm²: 1200 V

> 0.14 mm²: 1500 V

Temperature range

Fixed installation: -40°C to +80°C

Flexing: -5°C to +70°C

Article List

Part 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
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Footnote:

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 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 \leq 30 kg or \leq 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.