

Product Description

Data transmission with good screening, twisted pairs (TP) decouples the cable circuits



Application range

- Good protection against the capacitive influence due to electric fields (e.g. power cable)
- Dry and damp indoors

Benefits

- Data transmission with good screening, twisted pairs (TP) decouples the cable circuits

Design

- Bare copper wire stranded conductor
- PVC core insulation and outer sheath
- TP structure
- Screen braiding made from tinned copper wire
- Colour: pebble grey (RAL 7032)

Product features

- Colour code in accordance with DIN 47100
- Flame retardant according to IEC 60332-1-2
- Excellent screening against electrical interference
- Twisted core pairs are covered with an impervious copper braid

Cross-References

Comparable products

We recommend our UNITRONIC® CY PiDY (TP) if paired screening is required due to crosstalk attenuation.

Technical Data

Core identification code

DIN 47100, see Appendix T9

Mutual capacitance

C/C approx. 120 nF/km C/S: approx. 160 nF/km

Peak working voltage

(not for power applications) at 0.14 mm²: 350 V

at ≥ 0.25 mm²: 500 V

Inductivity

approx. 0.50 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

Flexing: 15 x cable diameter

Fixed installed: 6 x outer diameter

Test voltage

At 0.14 mm²: 1200 V

> 0.14 mm²: 1500 V

Loop resistance

2 x value in table conductor resistances, see Appendix T 11

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 mm ² per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
UNITRONIC® LiYCY (TP) MS				
0035131	2 x 2 x 0,14	5.7	18.5	39
0035141	3 x 2 x 0,14	5.8	23	48
0035132	4 x 2 x 0,14	6.2	26.6	54
0035133	6 x 2 x 0,14	7.1	48.5	85
0035150	8 x 2 x 0,14	8.2	53.7	97
0035134	10 x 2 x 0,14	8.7	59	110
0035135	12 x 2 x 0,14	8.9	66	142
0035136	16 x 2 x 0,14	10.2	79	154
0035142	20 x 2 x 0,14	11.3	97	184

0035137	25 x 2 x 0,14	12.5	113	238
0035800	2 x 2 x 0,25	6.2	28	54
0035801	3 x 2 x 0,25	7.1	39.6	68.5
0035802	4 x 2 x 0,25	7.6	44.9	81
0035803	6 x 2 x 0,25	8.5	69.5	115
0035804	8 x 2 x 0,25	10.3	76.9	130
0035805	10 x 2 x 0,25	11	102	158
0035806	12 x 2 x 0,25	11.3	120	190
0035807	16 x 2 x 0,25	12.5	146.5	238
0035808	25 x 2 x 0,25	16.1	205	344
0035810	2 x 2 x 0,5	8.6	48.1	93
0035811	3 x 2 x 0,5	8.7	73.7	129
0035812	4 x 2 x 0,5	9.4	82	146
0035813	6 x 2 x 0,5	11.1	110	198
0035814	8 x 2 x 0,5	13.1	139	259
0035816	12 x 2 x 0,5	14.9	198.3	354
0035817	16 x 2 x 0,5	16.5	240	459
0035820	2 x 2 x 0,75	8.5	58	106
0035821	3 x 2 x 0,75	9.4	84	140
0035822	4 x 2 x 0,75	10.7	108	179
0035827	5 x 2 x 0,75	11.1	126	215
0035823	6 x 2 x 0,75	12.1	146	246
0035824	8 x 2 x 0,75	14.7	180	305
0035825	12 x 2 x 0,75	16.2	261	456
0035830	2 x 2 x 1	10.3	84	142
0035831	3 x 2 x 1	10.4	96	173
0035832	4 x 2 x 1	11.3	121	212
0035836	5 x 2 x 1	11.8	161	266

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.