


U.I. Lapp GmbH	PRODUCT INFORMATION	
	UNITRONIC® LiYCY (TP)	12.09.2012

Screened data transmission cable with colour code acc. to DIN 47100 and twisted pairs
Overall braid minimises electrical interference
Twisted pair (TP) decouples the cable circuits



Info

TP = twisted pair

Application range

Can be used multifunctional in electronics of computer systems, electronic control equipment, office machines, balances, etc.
Dry or damp rooms

Design

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

Product features

Data transmission cable with good shielding effect
Good protection against capacitive interference from electric fields (e.g. power cable)
Colour-coded in accordance with DIN 47100
Flame-retardant according to IEC 60332-1-2

Remark

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 ≤ 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.

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Technical Data

Core identification code:	DIN 47100, refer to Appendix T9
Mutual capacitance:	C/C approx. 120 nF/km C/S: approx. 160 nF/km
Peak operating voltage:	(not for power applications) at 0.14 mm ² : 350 V at ≥ 0.25 mm ² : 500 V
Inductivity:	Approx. 0.50 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: 15 x outer diameter Fixed installation: 6 x outer diameter
Test voltage:	At 0.14 mm ² : 1200 V > 0.14 mm ² : 1500 V
Temperature range:	Fixed installation: -40°C to +80°C Occasional flexing: -5°C to +70°C

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Part number	Number of pairs and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
UNITRONIC® LIYCY (TP)				
0035131	2 x 2 x 0,14	5.7	18.5	39
0035141	3 x 2 x 0,14	5.8	23.0	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	59.0	110
0035135	12 x 2 x 0,14	8.9	66.0	142
0035136	16 x 2 x 0,14	10.2	79.0	154
0035142	20 x 2 x 0,14	11.3	97.0	184
0035137	25 x 2 x 0,14	12.5	113.0	238
0035800	2 x 2 x 0,25	6.3	28.0	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	11.0	102.0	158
0035806	12 x 2 x 0,25	11.3	120.0	190
0035807	16 x 2 x 0,25	12.5	146.5	238
0035808	25 x 2 x 0,25	16.1	205.0	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	82.0	146
0035813	6 x 2 x 0,5	11.1	110.0	198
0035814	8 x 2 x 0,5	13.1	139.0	259
0035816	12 x 2 x 0,5	14.9	198.3	354
0035817	16 x 2 x 0,5	16.5	240.0	459
0035820	2 x 2 x 0,75	8.5	58.0	106
0035821	3 x 2 x 0,75	9.4	84.0	140
0035822	4 x 2 x 0,75	10.7	108.0	179

Part number	Number of pairs and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
0035827	5 x 2 x 0,75	11.1	126.0	215
0035823	6 x 2 x 0,75	12.1	146.0	246
0035824	8 x 2 x 0,75	14.7	180.0	305
0035825	12 x 2 x 0,75	16.2	261.0	456
0035830	2 x 2 x 1	9.0	84.0	142
0035831	3 x 2 x 1	10.4	96.0	173
0035832	4 x 2 x 1	11.3	121.0	212
0035836	5 x 2 x 1	11.8	161.0	266