

UNITRONIC® LiYCY (TP)

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

UNITRONIC® LiYCY (TP): Low-frequency PVC data cable, DIN 47100 coded, 0.34² Maxi TERMI-POINT®, Twisted pairs, Flame retardant, Screened, Instrumentation Control

Info

TP = twisted pair



Interference signals

Benefits

Decoupling of circuits by means of twisted-pair (TP) design (crosstalk effects)
Overall braid minimises electrical interference

Application range

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

Product features

Good protection against capacitive interference from electric fields (e.g. power cable)
Flame-retardant according IEC 60332-1-2

Norm references / Approvals

Based on VDE 0812

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Product Make-up

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)

Technical Data

Classification:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
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. 0.65 mH/km
Conductor stranding:	Fine copper wire strands
Minimum bending radius:	Occasional flexing: 15 x outer diameter Fixed installation: 6 x outer diameter
Test voltage:	At 0.14 mm ² : 1200 V
Temperature range:	Occasional flexing: -5°C to +70°C Fixed installation: -40°C to +80°C

Note

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

Copper price basis: EUR 150/100 kg. 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.

* Prices are net prices without VAT and surcharges. Sale to business customers.

Article number	Dimension and cross section in mm ²	Outer diameter (mm)	Copper index (kg/km)
UNITRONIC® LIYCY (TP)			
0035131	2 x 2 x 0.14	5.3	18.5
0035141	3 x 2 x 0.14	5.8	23
0035132	4 x 2 x 0.14	6.2	26.6
0035133	6 x 2 x 0.14	7.1	48.5
0035150	8 x 2 x 0.14	8.2	53.7
0035134	10 x 2 x 0.14	8.7	59
0035135	12 x 2 x 0.14	8.9	66
0035136	16 x 2 x 0.14	10.2	79
0035142	20 x 2 x 0.14	11.3	97
0035137	25 x 2 x 0.14	12.5	113
0035800	2 x 2 x 0.25	6.3	28
0035801	3 x 2 x 0.25	7.1	39.6
0035802	4 x 2 x 0.25	7.6	44.9
0035803	6 x 2 x 0.25	8.5	69.5
0035804	8 x 2 x 0.25	10.3	76.9
0035805	10 x 2 x 0.25	11	102
0035806	12 x 2 x 0.25	11.3	120
0035807	16 x 2 x 0.25	12.5	146.5
0035808	25 x 2 x 0.25	16.1	205
0035810	2 x 2 x 0.5	7.9	48.1
0035811	3 x 2 x 0.5	8.7	73.7
0035812	4 x 2 x 0.5	9.4	82
0035813	6 x 2 x 0.5	11.1	110
0035814	8 x 2 x 0.5	13.1	139
0035816	12 x 2 x 0.5	14.9	198.3
0035817	16 x 2 x 0.5	16.5	240
0035820	2 x 2 x 0.75	8.5	58
0035821	3 x 2 x 0.75	9.4	84
0035822	4 x 2 x 0.75	10.7	108
0035827	5 x 2 x 0.75	11.1	126
0035823	6 x 2 x 0.75	12.1	146
0035824	8 x 2 x 0.75	14.7	180
0035825	12 x 2 x 0.75	16.2	261

Article number	Dimension and cross section in mm ²	Outer diameter (mm)	Copper index (kg/km)
0035830	2 x 2 x 1	9	84
0035831	3 x 2 x 1	10.4	96
0035832	4 x 2 x 1	11.3	121
0035836	5 x 2 x 1	11.8	161

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