

UNITRONIC® LiYCY (TP)

Shielded data cable with colour code according to DIN 47100 and twisted in pairs

UNITRONIC® LiYCY (TP) - shielded PVC data cable with colour code DIN 47100 for use in machinery and apparatus construction and in measurement, control and regulation technology

Info

(TP) = twisted pair



Interference signals

Benefits

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

Application range

Versatile applications for computer systems, electronic control and regulating devices, office machines, scales etc.
Dry or damp rooms

Product features

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

Norm references / approvals

Based on VDE 0812

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Design

Finely stranded bare copper wires
Core insulation made of PVC
Twisted pair (TP) structure
Tin-plated 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
Operating 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
Inductance:	approx. 0.65 mH/km
Conductor design:	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 otherwise specified, the product values shown are nominal values. You can receive further values, such as tolerances, upon request if they are available and have been released for publication.

Copper price basis: EUR 150/100 kg; see catalogue appendix T17 for the application and definition of "Metal price basis" and "Metal index"

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging: Ring ≤ 30 kg or ≤ 250 m, otherwise drum

Please specify the preferred packaging (e.g. 1 x 500 m drum or 5 x 100 m rings)

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 only.

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PRODUCT INFORMATION

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Article number	Dimensions in mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
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0035131	2 x 2 x 0.14	5.3	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	6.3	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	7.9	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	9	84	142

Last Update (14.03.2017)

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Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

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Article number	Dimensions in mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
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

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