

U.I. Lapp GmbH	PRODUCT INFORMATION	
	UNITRONIC® LIYCY-CY	19.11.2014

Screened data transmission cable with individually screened cores
Overall braid minimises electrical interference
Individually screened cores minimise crosstalk between cables routed in parallel



Interference signals

Application range

When a lossless transmission of data has to be guaranteed in fields with strong interference, cables with individually-screened cores and an additional overall screening are used
Dry or damp rooms

Product Make-up

Fine-wire strand made of bare copper wires
Core insulation made of PVC
Tinned-copper braiding for each core
Inner sheath made of PVC over each screened core
Tinned-copper braiding
Outer sheath made of PVC
Outer sheath colour: pebble grey (RAL 7032)

Norm references / Approvals

Based on VDE 0812

Product features

Wire-screen can be used as outer conductor
The cable remains flexible despite multiple screening
Flame-retardant according 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 150/100 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.

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Technical Data

Core identification code:	DIN 47100, refer to Appendix T9
Mutual capacitance:	Approx. 230 nF/km
Peak operating voltage:	(not for power applications) 250 V
Classification:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Inductivity:	Approx. 0.2 mH/km
Conductor stranding:	Stranded conductor, fine-wire
Minimum bending radius:	Occasional flexing: 15 x outer diameter Fixed installation: 7.5 x outer diameter
Test voltage:	1200 V
Temperature range:	Occasional flexing: -5°C to +70°C Fixed installation: -40°C to +80°C

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Part number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
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0032302	2 x 0,25	6.9	41.5	69
0032303	3 x 0,25	7.2	53.0	106
0032304	4 x 0,25	7.8	65.0	130
0032305	5 x 0,25	8.5	78.0	161
0032307	7 x 0,25	9.2	94.0	196