


U.I. Lapp GmbH	<b>PRODUCT INFORMATION</b>	
	<b>UNITRONIC® LiYCY</b>	<b>29.11.2013</b>

Screened data transmission cable with colour code acc. to DIN 47100  
 Overall braid minimises electrical interference  
 Multifunctional application possibilities



Interference signals

### Application range

Screened cables with small dimensions are suitable for use in computer systems, instrumentation technology, office equipment, balances.  
 Dry or damp rooms

### Design

Fine-wire/multi-wire (0.34 mm<sup>2</sup>) strand made of bare copper wires  
 Core insulation made of PVC  
 Tinned-copper braiding  
 Outer sheath made of PVC Outer sheath colour: pebble grey (RAL 7032)

### Norm references / Approvals

Based on VDE 0812

### Product features

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 150/100kg. 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](http://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 without colour repetition, 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 <sup>2</sup> : 350 V at ≥ 0.25 mm <sup>2</sup> : 500 V
Inductivity:	approx. 0.65 mH/km
Specific insulation resistance:	> 20 GOhm x cm
Conductor stranding:	Stranded, fine-wire 0.34 mm <sup>2</sup> : 7-wire
Minimum bending radius:	Occasional flexing: 15 x outer diameter Fixed installation: 6 x outer diameter
Test voltage:	At 0.14 mm <sup>2</sup> : 1200 V ≥ 0.25 mm <sup>2</sup> : 1500 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 <sup>2</sup> per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
UNITRONIC® LIYCY				
0034302	2 x 0,14	3.9	12.0	20
0034303	3 x 0,14	4.1	13.0	28
0034304	4 x 0,14	4.3	14.3	33
0034305	5 x 0,14	4.6	15.5	38
0034306	6 x 0,14	4.9	18.2	38
0034307	7 x 0,14	4.9	19.0	49
0034308	8 x 0,14	5.8	21.2	56
0034310	10 x 0,14	6.1	28.5	66
0034312	12 x 0,14	6.3	30.4	78
0034314	14 x 0,14	6.7	32.0	80
0034315	15 x 0,14	6.9	37.8	86
0034316	16 x 0,14	7.0	43.0	90
0034318	18 x 0,14	7.3	48.8	104
0034320	20 x 0,14	7.7	53.9	116
0034321	21 x 0,14	7.9	55.5	121
0034324	24 x 0,14	8.4	61.0	132
0034325	25 x 0,14	8.5	63.0	149
0034328	28 x 0,14	8.5	66.1	153
0034330	30 x 0,14	8.7	69.0	158
0034332	32 x 0,14	9.0	73.6	164
0034336	36 x 0,14	9.3	83.0	183
0034340	40 x 0,14	10.4	87.5	210
0034344	44 x 0,14	10.7	110.5	225
0034350	50 x 0,14	11.1	122.5	253
0034402	2 x 0,25	4.5	16.0	32
0034403	3 x 0,25	4.7	21.0	37
0034404	4 x 0,25	5.0	24.0	41.3
0034405	5 x 0,25	5.6	29.0	51.2
0034406	6 x 0,25	6.0	30.0	58
0034407	7 x 0,25	6.0	37.0	65
0034408	8 x 0,25	7.1	42.0	73



Part number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
0034410	10 x 0,25	7.5	46.0	82
0034412	12 x 0,25	7.7	53.0	98
0034414	14 x 0,25	8.0	59.0	99
0034415	15 x 0,25	8.3	61.0	111
0034416	16 x 0,25	8.4	64.0	124
0034418	18 x 0,25	8.8	83.0	143
0034420	20 x 0,25	9.3	88.0	152.3
0034421	21 x 0,25	9.6	93.0	161
0034425	25 x 0,25	10.7	114.0	172
0034428	28 x 0,25	10.8	126.0	181.1
0034430	30 x 0,25	11.0	132.0	189
0034432	32 x 0,25	11.4	138.0	203
0034436	36 x 0,25	11.8	148.0	220
0034440	40 x 0,25	12.7	157.0	248
0034450	50 x 0,25	13.8	178.0	318
0034461	61 x 0,25	15.0	205.0	365.2
0034502	2 x 0,34	4.9	21.0	37
0034503	3 x 0,34	5.1	27.0	49
0034504	4 x 0,34	5.7	28.0	59
0034505	5 x 0,34	6.2	30.0	66
0034506	6 x 0,34	6.8	45.0	79
0034507	7 x 0,34	6.8	48.0	83
0034508	8 x 0,34	7.8	52.0	94
0034510	10 x 0,34	8.3	74.0	129.2
0034512	12 x 0,34	8.5	80.0	142
0034514	14 x 0,34	8.9	86.0	154
0034515	15 x 0,34	9.2	90.0	155
0034516	16 x 0,34	9.4	94.0	160
0034518	18 x 0,34	10.2	103.0	173
0034520	20 x 0,34	10.7	112.0	192
0034521	21 x 0,34	11.1	116.0	199.2
0034525	25 x 0,34	11.9	135.0	259
0034528	28 x 0,34	12.0	153.0	280



Part number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
0034530	30 x 0,34	12.3	159.0	291.1
0034532	32 x 0,34	13.0	165.0	305
0034536	36 x 0,34	13.4	179.0	331
0034540	40 x 0,34	14.8	200.0	365
0034550	50 x 0,34	15.9	235.0	431
0034602	2 x 0,5	5.6	29.0	54
0034603	3 x 0,5	5.9	38.0	67
0034604	4 x 0,5	6.3	43.0	77
0034605	5 x 0,5	7.0	51.0	90
0034606	6 x 0,5	7.6	59.0	104
0034607	7 x 0,5	7.6	65.0	112
0034608	8 x 0,5	8.7	70.0	135
0034610	10 x 0,5	9.3	88.0	160
0034612	12 x 0,5	9.6	99.0	177
0034618	18 x 0,5	11.8	134.0	239
0034620	20 x 0,5	12.1	149.0	276
0034625	25 x 0,5	13.7	211.0	352
0034630	30 x 0,5	14.5	230.0	397
0034702	2 x 0,75	6.0	38.0	64
0034703	3 x 0,75	6.3	49.0	76
0034704	4 x 0,75	7.0	58.0	92
0034705	5 x 0,75	7.6	67.0	109
0034707	7 x 0,75	8.2	100.0	156
0034710	10 x 0,75	10.5	130.0	187
0034712	12 x 0,75	10.8	154.0	218
0034718	18 x 0,75	13.0	195.0	327
0034725	25 x 0,75	15.3	280.0	454
0034730	30 x 0,75	15.8	312.0	486
0034802	2 x 1	6.3	43.0	72
0034803	3 x 1	6.8	56.0	90
0034804	4 x 1	7.3	68.0	109



Part number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
0034805	5 x 1	8.0	79.0	126
0034807	7 x 1	8.6	118.0	171
0034810	10 x 1	11.1	140.0	228
0034812	12 x 1	11.4	168.0	259
0034818	18 x 1	13.4	252.0	389
0034825	25 x 1	16.2	335.0	517
0034902	2 x 1,5	7.1	58.0	90
0034903	3 x 1,5	7.5	74.0	115
0034904	4 x 1,5	8.1	108.0	153
0034905	5 x 1,5	8.8	129.0	176
0034907	7 x 1,5	9.5	164.0	220
0034912	12 x 1,5	12.7	254.0	376
0034918	18 x 1,5	15.3	350.0	519
0034925	25 x 1,5	17.9	550.0	901