

## UNITRONIC® LiYCY

Shielded data cable with colour code according to DIN 47100

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



Interference signals

### Benefits

Overall shield minimises electrical interference  
Versatile application possibilities

### Application range

Shielded cables with small dimensions are suitable for use in computer systems, measurement, control and regulation technology, office equipment, scales.  
Dry or damp rooms

### Product features

Flame-retardant according to IEC 60332-1-2

### Norm references / approvals

Based on VDE 0812

### Design

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

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

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

PN 0456 / 02\_03.16

**UNITRONIC® LiYCY****Technical Data**

Classification:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Core identification code:	DIN 47100 without colour repetition, refer to table 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 <sup>2</sup> : 350 V at ≥ 0.25 mm <sup>2</sup> : 500 V
Inductance:	approx. 0.65 mH/km
Conductor design:	Strands, 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
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](http://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.



Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
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0034302	2 x 0.14	3.9	12	20
0034303	3 x 0.14	4.1	13	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	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	80
0034315	15 x 0.14	6.9	37.8	86
0034316	16 x 0.14	7	43	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	132
0034325	25 x 0.14	8.5	63	149
0034328	28 x 0.14	8.5	66.1	153
0034330	30 x 0.14	8.7	69	158
0034336	36 x 0.14	9.3	83	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	32
0034403	3 x 0.25	4.7	21	37
0034404	4 x 0.25	5	24	41.3
0034405	5 x 0.25	5.6	29	51.2
0034406	6 x 0.25	6	30	58
0034407	7 x 0.25	6	37	65
0034408	8 x 0.25	7.1	42	73
0034410	10 x 0.25	7.5	46	82
0034412	12 x 0.25	7.7	53	98
0034414	14 x 0.25	8	59	99

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0034415	15 x 0.25	8.3	61	111
0034416	16 x 0.25	8.4	64	124
0034418	18 x 0.25	8.8	83	143
0034420	20 x 0.25	9.3	88	152.3
0034421	21 x 0.25	9.6	93	161
0034425	25 x 0.25	10.7	114	172
0034428	28 x 0.25	10.8	126	181.1
0034432	32 x 0.25	11.4	138	203
0034436	36 x 0.25	11.8	148	220
0034440	40 x 0.25	12.7	157	248
0034450	50 x 0.25	13.8	178	318
0034461	61 x 0.25	15	205	365.2
0034502	2 x 0.34	4.9	21	37
0034503	3 x 0.34	5.1	27	49
0034504	4 x 0.34	5.7	28	59
0034505	5 x 0.34	6.2	30	66
0034506	6 x 0.34	6.8	45	79
0034507	7 x 0.34	6.8	48	83
0034508	8 x 0.34	7.8	52	94
0034510	10 x 0.34	8.3	74	129.2
0034512	12 x 0.34	8.5	80	142
0034514	14 x 0.34	8.9	86	154
0034515	15 x 0.34	9.2	90	155
0034516	16 x 0.34	9.4	94	160
0034518	18 x 0.34	10.2	103	173
0034520	20 x 0.34	10.7	112	192
0034521	21 x 0.34	11.1	116	199.2
0034525	25 x 0.34	11.9	135	259
0034528	28 x 0.34	12	153	280
0034530	30 x 0.34	12.3	159	291.1
0034532	32 x 0.34	13	165	305
0034536	36 x 0.34	13.4	179	331
0034540	40 x 0.34	14.8	200	365
0034550	50 x 0.34	15.9	235	431

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0034602	2 x 0.5	5.6	29	54
0034603	3 x 0.5	5.9	38	67
0034604	4 x 0.5	6.3	43	77
0034605	5 x 0.5	7	51	90
0034606	6 x 0.5	7.6	59	104
0034607	7 x 0.5	7.6	65	112
0034608	8 x 0.5	8.7	70	135
0034610	10 x 0.5	9.3	88	160
0034612	12 x 0.5	9.6	99	177
0034618	18 x 0.5	11.8	134	239
0034620	20 x 0.5	12.1	149	276
0034625	25 x 0.5	13.7	211	352
0034630	30 x 0.5	14.5	230	397
0034702	2 x 0.75	6	38	64
0034703	3 x 0.75	6.3	49	76
0034704	4 x 0.75	7	58	92
0034705	5 x 0.75	7.6	67	109
0034707	7 x 0.75	8.2	100	156
0034710	10 x 0.75	10.5	130	187
0034712	12 x 0.75	10.8	154	218
0034718	18 x 0.75	13	195	327
0034725	25 x 0.75	15.3	280	454
0034730	30 x 0.75	15.8	312	486
0034802	2 x 1	6.3	43	72
0034803	3 x 1	6.8	56	90
0034804	4 x 1	7.3	68	109
0034805	5 x 1	8	79	126
0034807	7 x 1	8.6	118	171
0034810	10 x 1	11.1	140	228
0034812	12 x 1	11.4	168	259
0034818	18 x 1	13.4	252	389
0034825	25 x 1	16.2	335	517
0034902	2 x 1.5	7.1	58	90
0034903	3 x 1.5	7.5	74	115

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0034904	4 x 1.5	8.1	108	153
0034905	5 x 1.5	8.8	129	176
0034907	7 x 1.5	9.5	164	220
0034912	12 x 1.5	12.7	254	376
0034918	18 x 1.5	15.3	350	519
0034925	25 x 1.5	17.9	550	901

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