

# LiYCY

PVC, Shielded, DIN-47100, 300/500V



**LiYCY** is a VDE approved, flexible, overall shielded, PVC multi-conductor European data transmission cable. For use in flexible or stationary applications under low mechanical stress with free movement without any tensile stress, loads or forced movements in dry, damp or wet conditions. Commonly used as control and signal cables in the electronics of computer systems, electronic control equipment, office machines and measuring devices in the tool making and machine industries. The tinned copper braid shield offers better protection against electrical interference for precise impulse transmissions. **LiYCY** is recommended when a small outer diameter is required. Not permitted for outdoor use.

### ► Construction:

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 CI-5
- 22 AWG (0,34mm<sup>2</sup>) has a 7-wire strand
- Special PVC core insulation
- Color code DIN47100 - without color repetition
- Plastic foil separator
- 85% tinned copper braid
- PVC outer jacket - gray (RAL 7001)
- *Extremely oil resistant*

### ► Technical:

- Flexing temp: -15° C to +70° C
- Static temp: -30° C to +80° C
- Working voltage: 300/500 volts
- Test voltage: 1200/1500 volts
- Flexing bending radius: 10 x Ø
- Static bending radius: 5 x Ø
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

### ► Approvals:

- VDE-0812
- CE Low Voltage Directive 2014/35/EU
- ROHS compliant

PART NUMBER	CORES	NOMINAL OD (in)	NOMINAL OD (mm)	CU LBS/ MFT	WT LBS/ MFT
<b>26 AWG (18/38) 0,14mm<sup>2</sup></b>					
5012602	2	0.154"	3.9mm	7	14
5012603	3	0.157"	4.0mm	8	27
5012604	4	0.169"	4.3mm	9	29
5012605	5	0.185"	4.7mm	11	32
5012606	6	0.197"	5.0mm	13	35
5012607	7	0.201"	5.1mm	13	36
5012608	8	0.213"	5.4mm	15	39
5012610	10	0.236"	6.0mm	19	44
5012612	12	0.244"	6.2mm	20	54
5012614	14	0.256"	6.5mm	22	44
5012616	16	0.276"	7.0mm	29	65
5012618	18	0.287"	7.3mm	34	53
5012620	20	0.307"	7.8mm	38	78
5012621	21	0.307"	7.8mm	40	64
5012624	24	0.335"	8.5mm	47	71
5012625	25	0.319"	8.1mm	42	91
5012627	27	0.358"	9.1mm	56	82
5012630	30	0.366"	9.3mm	60	87
5012632	32	0.378"	9.6mm	64	93
5012636	36	0.378"	9.6mm	76	99
5012640	40	0.406"	10.3mm	83	111
5012642	42	0.409"	10.4mm	63	146
5012644	44	0.425"	10.8mm	74	152
5012648	48	0.417"	10.6mm	87	123
5012650	50	0.445"	11.3mm	100	131
5012652	52	0.476"	12.1mm	101	134
5012656	56	0.488"	12.4mm	103	142
5012661	61	0.492"	12.5mm	105	163
5012680	80	0.646"	16.4mm	131	326
5012600	100	0.705"	17.9mm	168	388
<b>24 AWG (14/34) 0,25mm<sup>2</sup></b>					
5012402	2	0.177"	4.5mm	10	19

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## LiYCY Sizes Continued. ( 24 &amp; 22 AWG )

PART NUMBER	CORES	NOMINAL OD (in)	NOMINAL OD (mm)	CU LBS/ MFT	WT LBS/ MFT
5012403	3	0.185"	4.7mm	13	23
5012404	4	0.197"	5.0mm	15	27
5012405	5	0.217"	5.5mm	18	32
5012406	6	0.236"	6.0mm	20	40
5012407	7	0.236"	6.0mm	23	41
5012408	8	0.256"	6.5mm	27	44
5012410	10	0.291"	7.4mm	28	54
5012412	12	0.299"	7.6mm	38	61
5012414	14	0.315"	8.0mm	40	80
5012416	16	0.335"	8.5mm	45	91
5012418	18	0.346"	8.8mm	54	101
5012420	20	0.378"	9.6mm	67	105
5012421	21	0.370"	9.4mm	70	77
5012424	24	0.409"	10.4mm	77	108
5012425	25	0.409"	10.4mm	68	109
5012427	27	0.433"	11.0mm	83	115
5012430	30	0.441"	11.2mm	87	125
5012432	32	0.449"	11.4mm	91	135
5012436	36	0.461"	11.7mm	97	146
5012440	40	0.476"	12.1mm	100	166
5012442	42	0.500"	12.7mm	104	180
5012444	44	0.531"	13.5mm	111	167
5012448	48	0.539"	13.7mm	117	184
5012450	50	0.551"	14.0mm	121	201
5012452	52	0.583"	14.8mm	125	208
5012456	56	0.598"	15.2mm	135	233
5012461	61	0.598"	15.2mm	148	264
5012480	80	0.787"	20.0mm	196	374
5012400	100	0.898"	27.8mm	249	476
<b>22 AWG (7/30) 0,34mm2</b>					
5012202	2	0.197"	5.0mm	13	21
5012203	3	0.201"	5.1mm	16	25
5012204	4	0.220"	5.6mm	17	31
5012205	5	0.236"	6.0mm	20	36
5012206	6	0.260"	6.6mm	29	45
5012207	7	0.260"	6.6mm	31	47
5012208	8	0.276"	7.0mm	34	51
5012210	10	0.319"	8.1mm	49	70
5012212	12	0.331"	8.4mm	51	86

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## LiYCY Sizes Continued. ( 22 &amp; 20 AWG )

PART NUMBER	CORES	NOMINAL OD (in)	NOMINAL OD (mm)	CU LBS/ MFT	WT LBS/ MFT
5012214	14	0.346"	8.8mm	58	95
5012216	16	0.362"	9.2mm	62	104
5012218	18	0.398"	10.1mm	66	111
5012220	20	0.413"	10.5mm	83	131
5012221	21	0.425"	10.8mm	87	135
5012224	24	0.456"	11.6mm	94	157
5012225	25	0.469"	11.9mm	87	162
5012227	27	0.480"	12.2mm	101	165
5012230	30	0.504"	12.8mm	105	189
5012232	32	0.524"	13.3mm	111	200
5012236	36	0.543"	13.8mm	123	216
5012240	40	0.559"	14.2mm	133	236
5012242	42	0.559"	15.1mm	138	249
5012248	48	0.610"	15.5mm	153	288
5012250	50	0.626"	15.9mm	158	294
5012261	61	0.665"	16.9mm	201	342
5012280	80	0.835"	21.2mm	248	449
5012200	100	1.043"	26.5mm	278	561
<b>20 AWG (16/32) 0,50mm2</b>					
5012002	2	0.213"	5.4mm	17	24
5012003	3	0.228"	5.8mm	23	30
5012004	4	0.244"	6.2mm	30	36
5012005	5	0.264"	6.7mm	36	45
5012006	6	0.287"	7.3mm	46	54
5012007	7	0.291"	7.4mm	47	56
5012008	8	0.315"	8.0mm	57	74
5012010	10	0.362"	9.2mm	67	90
5012012	12	0.374"	9.5mm	74	105
5012014	14	0.461"	11.7mm	84	113
5012016	16	0.484"	12.3mm	94	131
5012018	18	0.453"	11.5mm	95	144
5012020	20	0.480"	12.2mm	111	157
5012021	21	0.504"	12.8mm	115	168
5012024	24	0.516"	13.1mm	158	193
5012025	25	0.528"	13.4mm	168	210
5012027	27	0.559"	14.2mm	138	215
5012030	30	0.579"	14.7mm	151	233
5012032	32	0.598"	15.2mm	158	250
5012036	36	0.618"	15.7mm	174	272

Sizes continued on next page

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## LiYCY Sizes Continued. ( 20, 18, 17 &amp; 16 AWG )

PART NUMBER	CORES	NOMINAL OD (in)	NOMINAL OD (mm)	CU LBS/ MFT	WT LBS/ MFT
5012040	40	0.642"	16.3mm	195	295
5012042	42	0.673"	17.1mm	200	327
5012050	50	0.724"	18.4mm	228	370
5012052	52	0.724"	18.4mm	238	380
5012061	61	0.780"	19.8mm	278	442
5012080	80	0.906"	23.0mm	345	580
<b>18 AWG (24/32) 0,75mm<sup>2</sup></b>					
5011802	2	0.220"	5.6mm	23	42
5011803	3	0.248"	6.3mm	32	49
5011804	4	0.276"	7.0mm	38	64
5011805	5	0.291"	7.4mm	47	80
5011806	6	0.315"	8.0mm	57	97
5011807	7	0.327"	8.3mm	66	106
5011808	8	0.339"	8.6mm	78	109
5011810	10	0.433"	11.0mm	88	131
5011812	12	0.441"	11.2mm	99	156
5011814	14	0.472"	12.0mm	112	174
5011816	16	0.492"	12.5mm	123	199
5011818	18	0.508"	12.9mm	138	211
5011820	20	0.587"	14.9mm	148	244
5011825	25	0.610"	15.5mm	186	278
5011830	30	0.646"	16.4mm	211	329
5011836	36	0.677"	17.2mm	248	406
5011840	40	0.823"	20.9mm	322	456
5011850	50	0.768"	19.5mm	322	541
<b>17 AWG (32/32) 1,00mm<sup>2</sup></b>					
5011702	2	0.252"	6.4mm	37	56
5011703	3	0.264"	6.7mm	44	67
5011704	4	0.283"	7.2mm	54	80
5011705	5	0.307"	7.8mm	60	91
5011707	7	0.335"	8.5mm	80	109
5011710	10	0.437"	11.1mm	104	155
5011712	12	0.461"	11.7mm	113	174
5011718	18	0.528"	13.4mm	180	276
5011725	25	0.638"	16.2mm	241	377
<b>16 AWG (30/30) 1,50mm<sup>2</sup></b>					
5011602	2	0.283"	7.2mm	44	65
5011603	3	0.303"	7.7mm	60	84

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## LiYCY Sizes Continued. ( 16 AWG )

PART NUMBER	CORES	NOMINAL OD (in)	NOMINAL OD (mm)	CU LBS/ MFT	WT LBS/ MFT
5011604	4	0.323"	8.2mm	74	97
5011605	5	0.378"	9.6mm	78	107
5011607	7	0.421"	10.7mm	102	140
5011612	12	0.539"	13.7mm	170	227
5011618	18	0.642"	16.3mm	260	337
5011625	25	0.783"	19.9mm	339	524

