

LiYY**PVC, DIN-47100, 300/500V**

LiYY is a VDE approved, flexible 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, moist and wet conditions. Commonly used as control and signal cables in the electronics of computer systems, electronic control equipment, office machines and measurement devices in the tool making and machine industries. **LiYY** 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 (0,34mm²) has a 7-wire strand
- Special PVC core insulation
- Color code DIN47100 - without color repetition
- PVC outer jacket - gray (RAL 7001)
- *Extremely oil resistant*

► **Technical:**

- Flexing temp: -15° C to +80° C
- Static temp: -30° C to +80° C
- Working voltage: 350/500 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 & 0814, DIN 47414
- CE Low Voltage Directive 2014/35/EU
- ROHS compliant

PART NUMBER	CORES	NOMINAL OD (in)	NOMINAL OD (mm)	CU LBS/ MFT	WT LBS/ MFT
26 AWG (18/38) 0,14mm²					
5002602	2	0.126"	3.2mm	2	8
5002603	3	0.138"	3.5mm	3	11
5002604	4	0.142"	3.6mm	4	13
5002605	5	0.154"	3.9mm	4	15
5002606	6	0.165"	4.2mm	5	17
5002607	7	0.165"	4.2mm	7	18
5002608	8	0.185"	4.7mm	7	20
5002610	10	0.209"	5.3mm	9	28
5002612	12	0.220"	5.6mm	11	32
5002614	14	0.228"	5.8mm	13	36
5002616	16	0.240"	6.1mm	14	40
5002618	18	0.248"	6.3mm	16	48
5002620	20	0.275"	7.0mm	18	49
5002621	21	0.283"	7.2mm	19	52
5002624	24	0.295"	7.5mm	22	63
5002625	25	0.299"	7.6mm	22	61
5002627	27	0.307"	7.8mm	24	57
5002630	30	0.323"	8.2mm	28	64
5002632	32	0.331"	8.4mm	29	70
5002636	36	0.346"	8.8mm	33	76
5002640	40	0.370"	9.4mm	36	85
5002644	44	0.386"	9.8mm	40	97
5002650	50	0.413"	10.5mm	46	103
5002652	52	0.421"	10.7mm	47	110
5002656	56	0.440"	11.2mm	50	125
5002661	61	0.453"	11.5mm	55	128
5002680	80	0.634"	16.1mm	72	158
5002600	100	0.748"	19.0mm	91	168
24 AWG (14/34) 0,25mm²					
5002402	2	0.146"	3.7mm	3	11
5002403	3	0.157"	4.0mm	5	14
5002404	4	0.173"	4.4mm	6	18
5002405	5	0.189"	4.8mm	8	21



Sizes continued on next page

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LiYY Sizes Continued. (24 & 22 AWG)

PART NUMBER	CORES	NOMINAL OD (in)	NOMINAL OD (mm)	CU LBS/ MFT	WT LBS/ MFT
5002406	6	0.201"	5.1mm	10	27
5002407	7	0.209"	5.3mm	11	28
5002408	8	0.228"	5.8mm	13	34
5002410	10	0.252"	6.4mm	16	41
5002412	12	0.268"	6.8mm	19	48
5002414	14	0.291"	7.4mm	23	50
5002416	16	0.299"	7.6mm	26	54
5002418	18	0.339"	8.6mm	29	70
5002420	20	0.346"	8.8mm	32	71
5002421	21	0.358"	9.1mm	36	80
5002424	24	0.382"	9.7mm	40	84
5002425	25	0.390"	9.9mm	41	89
5002427	27	0.402"	10.2mm	43	103
5002430	30	0.413"	10.5mm	48	113
5002432	32	0.421"	10.7mm	52	122
5002436	36	0.441"	11.2mm	58	134
5002440	40	0.464"	11.8mm	64	141
5002444	44	0.508"	12.9mm	71	167
5002450	50	0.528"	13.4mm	82	186
5002452	52	0.547"	13.9mm	84	131
5002456	56	0.566"	14.4mm	90	188
5002461	61	0.571"	14.5mm	99	227
5002480	80	0.772"	19.6mm	129	358
5002400	100	0.909"	23.1mm	161	447
22 AWG (7/30) 0,34mm2					
5002202	2	0.173"	4.4mm	5	16
5002203	3	0.177"	4.5mm	7	19
5002204	4	0.197"	5.0mm	9	26
5002205	5	0.228"	5.8mm	11	30
5002206	6	0.236"	6.0mm	13	37
5002207	7	0.248"	6.3mm	15	40
5002208	8	0.264"	6.7mm	18	42
5002210	10	0.295"	7.5mm	22	51
5002212	12	0.307"	7.8mm	26	57
5002214	14	0.323"	8.2mm	31	67
5002216	16	0.343"	8.7mm	35	78
5002218	18	0.386"	9.8mm	40	91
5002220	20	0.394"	10.0mm	44	98
5002221	21	0.398"	10.1mm	46	108

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LiYY Sizes Continued. (22 & 20 AWG)

PART NUMBER	CORES	NOMINAL OD (in)	NOMINAL OD (mm)	CU LBS/ MFT	WT LBS/ MFT
5002224	24	0.441"	11.2mm	53	115
5002225	25	0.457"	11.6mm	59	126
5002227	27	0.457"	11.6mm	59	126
5002230	30	0.465"	11.8mm	66	138
5002232	32	0.480"	12.2mm	71	150
5002236	36	0.496"	12.6mm	79	164
5002240	40	0.524"	13.3mm	87	201
5002242	42	0.551"	14.0mm	92	221
5002244	44	0.567"	14.4mm	97	196
5002248	48	0.587"	14.9mm	105	272
5002250	50	0.591"	15.0mm	109	226
5002252	52	0.594"	15.1mm	114	227
5002261	61	0.630"	16.0mm	133	262
5002280	80	0.866"	22.0mm	177	343
5002200	100	1.000"	25.4mm	219	429
20 AWG (16/32) 0,50mm2					
5002002	2	0.189"	4.8mm	6	17
5002003	3	0.201"	5.1mm	10	21
5002004	4	0.213"	5.4mm	13	28
5002005	5	0.240"	6.1mm	16	32
5002006	6	0.260"	6.6mm	19	42
5002007	7	0.268"	6.8mm	23	44
5002008	8	0.295"	7.5mm	26	52
5002010	10	0.323"	8.2mm	32	62
5002012	12	0.343"	8.7mm	39	81
5002016	16	0.402"	10.2mm	52	98
5002020	20	0.461"	11.7mm	65	118
5002021	21	0.472"	12.0mm	68	123
5002024	24	0.512"	13.0mm	78	148
5002025	25	0.528"	13.4mm	82	164
5002027	27	0.579"	14.7mm	87	164
5002030	30	0.543"	13.8mm	97	182
5002032	32	0.551"	14.0mm	103	195
5002036	36	0.583"	14.8mm	116	211
5002040	40	0.614"	15.6mm	129	231
5002044	44	0.689"	17.5mm	142	263
5002050	50	0.764"	19.4mm	161	295
5002052	52	0.780"	19.8mm	167	305
5002061	61	0.819"	20.8mm	196	360

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LiYY Sizes Continued. (20 AWG and Larger)

PART NUMBER	CORES	NOMINAL OD (in)	NOMINAL OD (mm)	CU LBS/ MFT	WT LBS/ MFT
5002080	80	0.957"	24.3mm	258	472
5002000	100	1.165"	29.6mm	322	590
18 AWG (24/32) 0,75mm ²					
5001802	2	0.205"	5.2mm	10	32
5001803	3	0.217"	5.5mm	15	38
5001804	4	0.240"	6.1mm	19	46
5001805	5	0.276"	7.0mm	24	52
5001806	6	0.287"	7.3mm	29	69
5001807	7	0.295"	7.5mm	34	84
5001808	8	0.327"	8.3mm	40	83
5001810	10	0.378"	9.6mm	48	99
5001812	12	0.398"	10.1mm	58	120
5001816	16	0.449"	11.4mm	78	154
5001820	20	0.496"	12.6mm	97	184
5001825	25	0.551"	14.0mm	120	191
5001830	30	0.602"	15.3mm	146	264
17 AWG (32/32) 1,00mm ²					
5001702	2	0.220"	5.6mm	13	25
5001703	3	0.244"	6.2mm	19	35
5001705	5	0.299"	7.6mm	32	66
5001704	4	0.267"	6.8mm	25	54
16 AWG (30/30) 1,50mm ²					
5001602	2	0.268"	6.8mm	19	40
5001603	3	0.272"	6.9mm	29	60
5001604	4	0.307"	7.8mm	39	70