

LiYY PVC Data Cable



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 computers 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 Cl-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:

- Working voltage: 350/500 volts
- Test voltage: 1200/2000 volts
- Flexing bending radius: 7.5 x Ø
- Static bending radius: 4 x Ø
- Flexing temp: -5° C to +70° C
- Static temp: -40° C to +80° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

Approvals:

- VDE-0245 & 0812
- CE Low Voltage Directive 73/23/EEC and 93/68/EEC
- ROHS compliant

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
26 AWG (18/38) 0,14mm²				
5002602	2	0.126" / 3.2mm	2	9
5002603	3	0.126" / 3.2mm	3	11
5002604	4	0.138" / 3.5mm	3	13
5002605	5	0.157" / 4.0mm	4	15
5002606	6	0.169" / 4.3mm	5	17
5002607	7	0.169" / 4.3mm	6	19
5002608	8	0.181" / 4.6mm	7	23
5002610	10	0.209" / 5.3mm	9	28
5002612	12	0.220" / 5.6mm	11	32
5002614	14	0.232" / 5.9mm	13	36
5002616	16	0.244" / 6.2mm	15	40
5002618	18	0.256" / 6.5mm	16	44
5002620	20	0.256" / 6.5mm	18	47
5002621	21	0.268" / 6.8mm	19	52
5002624	24	0.299" / 7.6mm	21	58
5002625	25	0.299" / 7.6mm	22	61
5002627	27	0.303" / 7.7mm	24	65
5002630	30	0.315" / 8.0mm	27	72
5002632	32	0.323" / 8.2mm	29	76
5002636	36	0.343" / 8.7mm	32	85
5002640	40	0.374" / 9.5mm	36	93
5002642	42	0.386" / 9.8mm	38	98
5002644	44	0.406" / 10.3mm	40	103
5002648	48	0.409" / 10.4mm	44	110
5002650	50	0.413" / 10.5mm	46	113
5002652	52	0.421" / 10.7mm	47	116
5002656	56	0.433" / 11.0mm	50	125
5002661	61	0.445" / 11.3mm	55	137
5002680	80	0.610" / 15.5mm	72	188
5002600	100	0.713" / 18.1mm	91	248
24 AWG (14/34) 0,25mm²				
5002402	2	0.150" / 3.8mm	3	12
5002403	3	0.154" / 3.9mm	5	15
5002404	4	0.169" / 4.3mm	7	17
5002405	5	0.189" / 4.8mm	8	20
5002406	6	0.205" / 5.2mm	9	24
5002407	7	0.205" / 5.2mm	11	28
5002408	8	0.224" / 5.7mm	13	33

Sizes continued on next page.

LiYY PVC Data Cable



LiYY Sizes Continued. (24, 22 & 20 AWG)

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
24 AWG (14/34) 0,25mm2 Cont.				
5002410	10	0.252" / 6.4mm	16	38
5002412	12	0.264" / 6.7mm	19	44
5002414	14	0.280" / 7.1mm	22	50
5002416	16	0.295" / 7.5mm	26	56
5002418	18	0.311" / 7.9mm	29	62
5002420	20	0.358" / 9.1mm	32	70
5002421	21	0.366" / 9.3mm	34	72
5002424	24	0.386" / 9.8mm	40	80
5002425	25	0.390" / 9.9mm	41	89
5002427	27	0.398" / 10.1mm	44	94
5002430	30	0.406" / 10.3mm	48	105
5002432	32	0.413" / 10.5mm	52	110
5002436	36	0.437" / 11.1mm	58	122
5002440	40	0.453" / 11.5mm	64	134
5002442	42	0.465" / 11.8mm	68	142
5002444	44	0.496" / 12.6mm	71	151
5002448	48	0.500" / 12.7mm	77	164
5002450	50	0.508" / 12.9mm	80	172
5002452	52	0.535" / 13.6mm	84	176
5002456	56	0.551" / 14.0mm	90	188
5002461	61	0.567" / 14.4mm	98	205
5002480	80	0.772" / 19.6mm	129	302
5002400	100	0.909" / 23.1mm	161	396
22 AWG (7/30) 0,34mm2				
5002202	2	0.165" / 4.2mm	4	15
5002203	3	0.173" / 4.4mm	7	20
5002204	4	0.193" / 4.9mm	9	29
5002205	5	0.209" / 5.3mm	11	36
5002206	6	0.228" / 5.8mm	13	39
5002207	7	0.232" / 5.9mm	15	41
5002208	8	0.248" / 6.3mm	17	49
5002210	10	0.283" / 7.2mm	21	55
5002212	12	0.299" / 7.6mm	26	68
5002214	14	0.315" / 8.0mm	30	72
5002216	16	0.331" / 8.4mm	35	85
5002218	18	0.350" / 8.9mm	40	96
5002220	20	0.386" / 9.8mm	44	107
5002221	21	0.386" / 9.8mm	46	111
5002224	24	0.433" / 11.0mm	52	125
5002225	25	0.441" / 11.2mm	55	129
5002227	27	0.449" / 11.4mm	59	138
5002230	30	0.457" / 11.6mm	66	152
5002232	32	0.469" / 11.9mm	70	164
5002236	36	0.496" / 12.6mm	79	191
5002240	40	0.531" / 13.5mm	88	213
5002242	42	0.551" / 14.0mm	92	221
5002244	44	0.579" / 14.7mm	97	248
5002248	48	0.587" / 14.9mm	105	272
5002250	50	0.594" / 15.1mm	109	273
5002252	52	0.602" / 15.3mm	114	288
5002261	61	0.638" / 16.2mm	133	409
5002280	80	0.866" / 22.0mm	177	590
5002200	100	1.000" / 25.4mm	219	704
20 AWG (16/32) 0,50mm2				
5002002	2	0.189" / 4.8mm	7	27
5002003	3	0.201" / 5.1mm	9	31
5002004	4	0.224" / 5.7mm	13	37
5002005	5	0.244" / 6.2mm	16	43
5002006	6	0.264" / 6.7mm	19	49
5002007	7	0.291" / 7.4mm	22	54

Sizes continued on next page.

LiYY PVC Data Cable



LiYY Sizes Continued. (20 AWG and Larger)

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
20 AWG (16/32) 0,50mm2 Cont.				
5002008	8	0.315" / 8.0mm	25	65
5002010	10	0.346" / 8.8mm	32	78
5002012	12	0.358" / 9.1mm	38	91
5002014	14	0.386" / 9.8mm	45	102
5002016	16	0.394" / 10.0mm	51	113
5002018	18	0.425" / 10.8mm	58	126
5002020	20	0.441" / 11.2mm	64	143
5002021	21	0.449" / 11.4mm	67	158
5002024	24	0.484" / 12.3mm	77	162
5002025	25	0.528" / 13.4mm	82	164
5002027	27	0.547" / 13.9mm	87	170
5002030	30	0.567" / 14.4mm	97	179
5002032	32	0.594" / 15.1mm	103	195
5002036	36	0.618" / 15.7mm	115	211
5002040	40	0.677" / 17.2mm	129	231
5002044	44	0.728" / 18.5mm	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
5002080	80	0.957" / 24.3mm	258	472
5002000	100	1.165" / 29.6mm	322	590
18 AWG (24/32) 0,75mm2				
5001802	2	0.205" / 5.2mm	9	32
5001803	3	0.217" / 5.5mm	15	36
5001804	4	0.244" / 6.2mm	19	44
5001805	5	0.268" / 6.8mm	24	54
5001806	6	0.295" / 7.5mm	29	63
5001807	7	0.319" / 8.1mm	34	74
5001808	8	0.350" / 8.9mm	39	84
5001810	10	0.378" / 9.6mm	48	99
5001812	12	0.390" / 9.9mm	58	118
5001816	16	0.457" / 11.6mm	77	148
5001820	20	0.496" / 12.6mm	97	185
5001825	25	0.551" / 14.0mm	120	191
5001830	30	0.587" / 14.9mm	145	264
17 AWG (32/32) 1,00mm2				
5001702	2	0.217" / 5.5mm	13	38
5001703	3	0.236" / 6.0mm	19	48
5001705	5	0.287" / 7.3mm	24	66
16 AWG (30/30) 1,50mm2				
5001602	2	0.256" / 6.5mm	19	50
5001603	3	0.272" / 6.9mm	29	60
5001604	4	0.307" / 7.8mm	39	70

* Additional sizes may be available.