

LiYCY Shielded PVC Data Cable



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, 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. 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 (0,34mm2) 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:

- Working voltage: 350/500 volts
- Test voltage: 1200/1500 volts
- Flexing bending radius: 10 x Ø
- Static bending radius: 5 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				
5012602	2	0.146" / 3.7mm	7	13
5012603	3	0.150" / 3.8mm	8	18
5012604	4	0.161" / 4.1mm	9	21
5012605	5	0.181" / 4.6mm	10	25
5012606	6	0.193" / 4.9mm	12	28
5012607	7	0.201" / 5.1mm	13	32
5012608	8	0.209" / 5.3mm	14	37
5012610	10	0.236" / 6.0mm	19	44
5012612	12	0.244" / 6.2mm	20	52
5012614	14	0.260" / 6.6mm	21	53
5012616	16	0.272" / 6.9mm	29	60
5012618	18	0.280" / 7.1mm	34	69
5012620	20	0.299" / 7.6mm	37	78
5012621	21	0.303" / 7.7mm	38	80
5012624	24	0.315" / 8.0mm	40	88
5012625	25	0.319" / 8.1mm	42	91
5012627	27	0.339" / 8.6mm	44	95
5012630	30	0.350" / 8.9mm	46	105
5012632	32	0.358" / 9.1mm	51	109
5012636	36	0.382" / 9.7mm	56	122
5012640	40	0.402" / 10.2mm	59	140
5012642	42	0.409" / 10.4mm	63	146
5012644	44	0.425" / 10.8mm	74	152
5012648	48	0.433" / 11.0mm	77	161
5012650	50	0.441" / 11.2mm	80	171
5012652	52	0.449" / 11.4mm	83	181
5012656	56	0.465" / 11.8mm	89	215
5012661	61	0.480" / 12.2mm	98	248
5012680	80	0.748" / 19.0mm	152	342
5012600	100	0.906" / 23.0mm	179	389
24 AWG (14/34) 0,25mm2				
5012402	2	0.169" / 4.3mm	10	21
5012403	3	0.177" / 4.5mm	12	24
5012404	4	0.193" / 4.9mm	15	27
5012405	5	0.209" / 5.3mm	17	34
5012406	6	0.220" / 5.6mm	21	39
5012407	7	0.228" / 5.8mm	23	43
5012408	8	0.248" / 6.3mm	28	55

Sizes continued on next page.

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

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
24 AWG (14/34) 0,25mm² Cont.				
5012410	10	0.276" / 7.0mm	34	57
5012412	12	0.287" / 7.3mm	39	60
5012414	14	0.307" / 7.8mm	42	66
5012416	16	0.323" / 8.2mm	45	74
5012418	18	0.339" / 8.6mm	52	93
5012420	20	0.358" / 9.1mm	59	98
5012421	21	0.370" / 9.4mm	61	102
5012424	24	0.402" / 10.2mm	64	105
5012425	25	0.409" / 10.4mm	68	109
5012427	27	0.421" / 10.7mm	78	113
5012430	30	0.429" / 10.9mm	87	118
5012432	32	0.433" / 11.0mm	91	127
5012436	36	0.461" / 11.7mm	97	147
5012440	40	0.476" / 12.1mm	100	166
5012442	42	0.500" / 12.7mm	104	180
5012444	44	0.516" / 13.1mm	108	196
5012448	48	0.524" / 13.3mm	110	113
5012450	50	0.539" / 13.7mm	113	206
5012452	52	0.551" / 14.0mm	117	213
5012456	56	0.567" / 14.4mm	127	230
5012461	61	0.583" / 14.8mm	137	245
5012480	80	1.004" / 25.5mm	260	322
5012400	100	1.102" / 28.0mm	339	406
22 AWG (7/30) 0,34mm²				
5012202	2	0.189" / 4.8mm	12	20
5012203	3	0.201" / 5.1mm	15	25
5012204	4	0.220" / 5.6mm	19	32
5012205	5	0.236" / 6.0mm	21	36
5012206	6	0.248" / 6.3mm	30	41
5012207	7	0.256" / 6.5mm	34	45
5012208	8	0.280" / 7.1mm	36	54
5012210	10	0.315" / 8.0mm	44	69
5012212	12	0.331" / 8.4mm	47	74
5012214	14	0.350" / 8.9mm	54	103
5012216	16	0.370" / 9.4mm	59	107
5012218	18	0.390" / 9.9mm	69	115
5012220	20	0.421" / 10.7mm	75	128
5012221	21	0.429" / 10.9mm	78	133
5012224	24	0.457" / 11.6mm	80	154
5012225	25	0.469" / 11.9mm	87	162
5012227	27	0.480" / 12.2mm	93	173
5012230	30	0.496" / 12.6mm	106	195
5012232	32	0.508" / 12.9mm	109	205
5012236	36	0.535" / 13.6mm	119	221
5012240	40	0.543" / 13.8mm	133	224
5012242	42	0.567" / 14.4mm	136	261
5012244	44	0.594" / 15.1mm	146	278
5012248	48	0.610" / 15.5mm	152	282
5012250	50	0.626" / 15.9mm	160	292
5012252	52	0.638" / 16.2mm	165	302
5012261	61	0.673" / 17.1mm	198	349
5012280	80	1.008" / 25.6mm	351	389
5012200	100	1.122" / 28.5mm	416	465
20 AWG (16/32) 0,50mm²				
5012002	2	0.213" / 5.4mm	19	30
5012003	3	0.228" / 5.8mm	26	37
5012004	4	0.252" / 6.4mm	31	41
5012005	5	0.268" / 6.8mm	35	51
5012006	6	0.291" / 7.4mm	44	60
5012007	7	0.299" / 7.6mm	46	66

Sizes continued on next page.

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LiYCY Sizes Continued. (20 AWG and Larger)

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
20 AWG (16/32) 0,50mm2 Cont.				
5012008	8	0.327" / 8.3mm	54	78
5012010	10	0.370" / 9.4mm	62	91
5012012	12	0.382" / 9.7mm	78	105
5012014	14	0.409" / 10.4mm	82	127
5012016	16	0.437" / 11.1mm	87	138
5012018	18	0.457" / 11.6mm	102	151
5012020	20	0.496" / 12.6mm	116	184
5012021	21	0.509" / 12.9mm	121	197
5012024	24	0.539" / 13.7mm	158	226
5012025	25	0.547" / 13.9mm	168	235
5012027	27	0.555" / 14.1mm	178	250
5012030	30	0.575" / 14.6mm	199	266
5012032	32	0.591" / 15.0mm	202	289
5012036	36	0.618" / 15.7mm	215	298
5012040	40	0.650" / 16.5mm	231	315
5012042	42	0.693" / 17.6mm	241	330
5012050	50	0.724" / 18.4mm	273	382
5012052	52	0.736" / 18.7mm	281	398
5012061	61	0.764" / 19.4mm	389	436
5012080	80	0.906" / 23.0mm	463	526
5012000	100	1.020" / 25.9mm	546	664
18 AWG (24/32) 0,75mm2				
5011802	2	0.244" / 6.2mm	25	40
5011803	3	0.252" / 6.4mm	34	44
5011804	4	0.276" / 7.0mm	38	52
5011805	5	0.299" / 7.6mm	47	62
5011806	6	0.327" / 8.3mm	58	76
5011807	7	0.335" / 8.5mm	64	87
5011808	8	0.362" / 9.2mm	74	97
5011810	10	0.413" / 10.5mm	94	121
5011812	12	0.429" / 10.9mm	101	135
5011814	14	0.457" / 11.6mm	112	151
5011816	16	0.484" / 12.3mm	123	184
5011818	18	0.512" / 13.0mm	139	196
5011820	20	0.551" / 14.0mm	160	243
5011825	25	0.610" / 15.5mm	186	278
5011830	30	0.630" / 16.8mm	211	326
5011836	36	0.701" / 17.8mm	248	402
5011840	40	0.823" / 20.9mm	322	456
5011850	50	0.839" / 21.3mm	357	541
17 AWG (32/32) 1,00mm2				
5011702	2	0.256" / 6.5mm	31	44
5011703	3	0.272" / 6.9mm	38	54
5011704	4	0.295" / 7.5mm	46	66
5011705	5	0.327" / 8.3mm	60	85
5011707	7	0.354" / 9.0mm	74	106
5011710	10	0.449" / 11.4mm	94	156
5011712	12	0.461" / 11.7mm	113	174
5011718	18	0.528" / 13.4mm	180	276
5011725	25	0.638" / 16.2mm	241	377
16 AWG (30/30) 1,50mm2				
5011602	2	0.295" / 7.5mm	42	59
5011603	3	0.315" / 8.0mm	51	67
5011604	4	0.343" / 8.7mm	66	85
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

* Additional sizes may be available.