

# The Mueller Group, Inc.

## LiYCY SHLD PVC data



**LiYCY is a flexible PVC multi-conductor, shielded data transmission cable commonly used in tool making and machine industries. It can also be found as control or signal cable in electronics of computers systems, electronic control equipment and measurement devices. Suitable in dry, moist and wet conditions. The copper braid shield offers great protection against electrical interference for precise impulse transmissions.**



- **BENDING RADIUS:** 10 x Cable Diameter
- **TEMPERATURE:** -30° C. to +80° C. (Flame protection to IEC 60332.1)
- **RATED WORKING VOLTAGE:** 350V. (26 AWG) / 500V. (24 AWG and larger)
- **STRANDING:** VDE 0295 Class 5 - IEC 60228 (fine bare copper)
- **COLOR CODE:** DIN-47100 - without color repetition
- **APPROVALS:** DIN VDE-0812, 0814, CE Low-Voltage Directive & ROHS Compliant. (UL/CSA Available)

PART NUMBER	CORES	NOMINAL OD	LBS/MFT	KG/KM
<b>26 AWG (18/38) 0,14mm<sup>2</sup></b>				
5012602	2	0.146" / 3.7mm	13	20
5012603	3	0.150" / 3.8mm	18	27
5012604	4	0.161" / 4.1mm	21	32
5012605	5	0.181" / 4.6mm	25	37
5012607	7	0.193" / 4.9mm	32	48
5012608	8	0.209" / 5.3mm	37	55
5012610	10	0.236" / 6.0mm	44	65
5012612	12	0.244" / 6.2mm	52	77
5012614	14	0.260" / 6.6mm	53	79
5012618	18	0.280" / 7.1mm	69	103
5012621	21	0.299" / 7.6mm	80	120
5012625	25	0.319" / 8.1mm	91	136
5012630	30	0.350" / 8.9mm	105	157
5012636	36	0.382" / 9.7mm	122	182
5012640	40	0.402" / 10.2mm	140	209
5012644	44	0.437" / 11.1mm	152	226
5012650	50	0.465" / 11.8mm	170	253
5012656	56	0.496" / 12.6mm	215	320
<b>24 AWG (14/34) 0,25mm<sup>2</sup></b>				
5012402	2	0.169" / 4.3mm	21	31
5012403	3	0.177" / 4.5mm	24	36
5012404	4	0.193" / 4.9mm	27	40
5012405	5	0.209" / 5.3mm	34	51
5012407	7	0.232" / 5.9mm	43	64
5012408	8	0.248" / 6.3mm	55	82
5012410	10	0.276" / 7.0mm	57	85
5012412	12	0.287" / 7.3mm	60	90
5012414	14	0.307" / 7.8mm	66	99
5012418	18	0.339" / 8.6mm	95	142
5012421	21	0.358" / 9.1mm	102	152
5012425	25	0.406" / 10.3mm	113	169
5012430	30	0.425" / 10.8mm	127	189
5012436	36	0.461" / 11.7mm	147	219
5012440	40	0.476" / 12.1mm	166	247
5012450	50	0.551" / 14.0mm	213	318
5012461	61	0.583" / 14.8mm	245	365

Sizes continued on next page.

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### LiYCY Sizes Continued.

PART NUMBER	CORES	NOMINAL OD	LBS/MFT	KG/KM
<b>22 AWG (19/34) 0,34mm<sup>2</sup></b>				
5012202	2	0.189" / 4.8mm	20	30
5012203	3	0.201" / 5.1mm	25	37
5012204	4	0.220" / 5.6mm	32	48
5012205	5	0.236" / 6.0mm	36	54
5012207	7	0.260" / 6.6mm	45	67
5012208	8	0.280" / 7.1mm	54	81
5012210	10	0.315" / 8.0mm	69	103
5012212	12	0.331" / 8.4mm	74	110
5012214	14	0.350" / 8.9mm	102	153
5012218	18	0.390" / 9.9mm	115	172
5012221	21	0.425" / 10.8mm	133	199
5012225	25	0.457" / 11.6mm	162	241
5012230	30	0.496" / 12.6mm	195	290
5012236	36	0.535" / 13.6mm	221	330
5012240	40	0.567" / 14.4mm	244	364
5012244	44	0.610" / 15.5mm	278	414
5012250	50	0.626" / 15.9mm	289	431
5012261	61	0.673" / 17.1mm	349	520
<b>20 AWG (16/32) 0,50mm<sup>2</sup></b>				
5012002	2	0.213" / 5.4mm	30	45
5012003	3	0.228" / 5.8mm	37	55
5012004	4	0.252" / 6.4mm	41	61
5012005	5	0.268" / 6.8mm	51	76
5012007	7	0.299" / 7.6mm	66	98
5012008	8	0.327" / 8.3mm	78	117
5012010	10	0.370" / 9.4mm	91	135
5012012	12	0.382" / 9.7mm	105	157
5012016	16	0.437" / 11.1mm	141	210
5012020	20	0.496" / 12.6mm	184	275
5012025	25	0.547" / 13.9mm	235	351
5012030	30	0.575" / 14.6mm	266	396
5012040	40	0.650" / 16.5mm	315	470
<b>18 AWG (24/32) 0,75mm<sup>2</sup></b>				
5011802	2	0.244" / 6.2mm	40	59
5011803	3	0.252" / 6.4mm	44	66
5011804	4	0.276" / 7.0mm	52	77
5011805	5	0.299" / 7.6mm	62	93
5011807	7	0.335" / 8.5mm	87	130
5011812	12	0.429" / 10.9mm	135	202
5011816	16	0.484" / 12.3mm	196	292
5011820	20	0.551" / 14.0mm	243	362
5011825	25	0.610" / 15.5mm	303	451
<b>17 AWG (32/32) 1,00mm<sup>2</sup></b>				
5011702	2	0.256" / 6.5mm	44	65
5011703	3	0.272" / 6.9mm	54	80
5011704	4	0.295" / 7.5mm	66	98
5011705	5	0.327" / 8.3mm	85	127
5011707	7	0.354" / 9.0mm	106	158
5011712	12	0.461" / 11.7mm	174	260
5011725	25	0.638" / 16.2mm	347	517

\* Additional sizes may be available.