

## LiYY-UL UL/CSA/CE



LiYY-UL is a UL/CSA/CE 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 tool making, machine manufacturing, conveyor systems and production lines. LiYY-UL can be found in industrial plants, air conditioning units and in steel production facilities. Not permitted for outdoor use.



### Construction:

- Fine tinned copper strands
- Strands to ASTM-B 174-95 & ASTM-B 286
- Special PVC core insulation, class 43
- Semi-rigid to UL1581 table 50.182 & 50.183
- DIN47100 color code - without repetition
- Special PVC outer jacket - gray/dark gray
- Outer jacket to UL1581 table 50.182
- **Semi oil & chemical resistant**

### Technical:

- Working voltage: 300 volts
- Test voltage: 1500 volts
- Flexing bending radius: 15.0 x Ø
- Static bending radius: 7.5 x Ø
- Flexing temp: -5° C to +80° C
- Static temp: -20° C to +80° C
- Flame retardant: IEC 60332.1, VW-1, FT1
- Insulation resistance: 20 MΩ x km

### Approvals:

- UL Style 2464, UL VW-1
- 26-20 AWG to UL1061/1729
- 18-16 AWG to UL1007/1569
- CSA AWM I/II A/B, FT1
- CE low voltage directive 73/23/EEC and 93/68/EEC
- ROHS compliant

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
<b>26 AWG (7/34) 0,14mm2</b>				
5502602	2	0.142" / 3.6mm	2	9
5502603	3	0.146" / 3.7mm	3	10
5502604	4	0.157" / 4.0mm	4	12
5502605	5	0.169" / 4.3mm	5	14
5502606	6	0.181" / 4.6mm	6	17
5502608	8	0.201" / 5.1mm	7	20
5502610	10	0.220" / 5.6mm	9	25
5502612	12	0.228" / 5.8mm	11	31
5502616	16	0.248" / 6.3mm	15	38
5502618	18	0.260" / 6.6mm	17	42
5502621	21	0.275" / 7.0mm	20	48
5502624	24	0.295" / 7.5mm	24	55
5502627	27	0.307" / 7.8mm	27	65
5502630	30	0.319" / 8.1mm	30	74
<b>24 AWG (7/32) 0,22mm2</b>				
5502402	2	0.150" / 3.8mm	3	11
5502403	3	0.157" / 4.0mm	5	13
5502404	4	0.165" / 4.2mm	6	15
5502405	5	0.181" / 4.6mm	7	17
5502406	6	0.193" / 4.9mm	9	21
5502408	8	0.220" / 5.6mm	12	28
5502410	10	0.236" / 6.0mm	15	37
5502412	12	0.240" / 6.1mm	19	40
5502416	16	0.264" / 6.7mm	25	50
5502418	18	0.280" / 7.1mm	29	55
5502424	24	0.323" / 8.2mm	40	78
5502427	27	0.335" / 8.5mm	43	94
5502430	30	0.346" / 8.8mm	48	101
<b>22 AWG (7/30) 0,34mm2</b>				
5502202	2	0.165" / 4.2mm	5	17
5502203	3	0.169" / 4.3mm	7	20
5502204	4	0.181" / 4.6mm	9	30
5502205	5	0.197" / 5.0mm	11	35
5502206	6	0.217" / 5.5mm	13	40
5502207	7	0.240" / 6.1mm	14	48

Sizes continued on next page.

### LiYY-UL Sizes Continued. (22 AWG & Larger )

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
<b>22 AWG (7/30) 0,34mm<sup>2</sup> Cont.</b>				
5502208	8	0.267" / 6.8mm	17	52
5502210	10	0.268" / 6.8mm	22	54
5502212	12	0.276" / 7.0mm	26	70
5502216	16	0.307" / 7.8mm	35	87
5502218	18	0.327" / 8.3mm	40	94
5502224	24	0.378" / 9.6mm	53	127
5502227	27	0.394" / 10.0mm	59	139
5502230	30	0.413" / 10.5mm	66	151
<b>20 AWG (7/28) 0,56mm<sup>2</sup></b>				
5502002	2	0.181" / 4.6mm	7	20
5502003	3	0.189" / 4.8mm	9	22
5502004	4	0.205" / 5.2mm	13	28
5502006	6	0.240" / 6.1mm	19	44
5502010	10	0.299" / 7.6mm	32	68
5502012	12	0.315" / 8.0mm	39	80
5502016	16	0.346" / 8.8mm	52	102
5502018	18	0.370" / 9.4mm	58	113
5502024	24	0.433" / 11.0mm	78	150
5502027	27	0.445" / 11.3mm	87	174
5502030	30	0.465" / 11.8mm	97	201
<b>18 AWG (19/30) 0,82mm<sup>2</sup></b>				
5501802	2	0.240" / 6.1mm	10	34
5501803	3	0.252" / 6.4mm	15	42
5501804	4	0.272" / 6.9mm	21	48
5501806	6	0.319" / 8.1mm	32	67
5501810	10	0.409" / 10.4mm	52	121
5501812	12	0.429" / 10.9mm	63	129
5501816	16	0.480" / 12.2mm	84	161
5501818	18	0.512" / 13.0mm	95	181
5501824	24	0.598" / 15.2mm	126	248
5501827	27	0.622" / 15.8mm	142	268
5501830	30	0.642" / 16.3mm	158	315
<b>16 AWG (19/29) 1,30mm<sup>2</sup></b>				
5501602	2	0.272" / 6.9mm	16	47
5501603	3	0.287" / 7.3mm	25	60
5501604	4	0.311" / 7.9mm	33	74
5501606	6	0.378" / 9.6mm	50	107
5501610	10	0.488" / 12.4mm	83	168
5501612	12	0.504" / 12.8mm	100	201
5501616	16	0.551" / 14.0mm	133	268
5501618	18	0.583" / 14.8mm	150	302
5501624	24	0.677" / 17.2mm	200	436
5501627	27	0.709" / 18.0mm	225	456
5501630	30	0.736" / 18.7mm	250	503

\* Additional sizes may be available.

Electronic & Data Cables