

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 |



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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) 0,75mm² | | | | | |
| 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) 1,00mm² | | | | | |
| 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) 1,50mm² | | | | | |
| 5001602 | 2 | 0.268" | 6.8mm | 19 | 40 |
| 5001603 | 3 | 0.272" | 6.9mm | 29 | 60 |
| 5001604 | 4 | 0.307" | 7.8mm | 39 | 70 |