

## LiYCY-TP-UL

UL/CSA/CE



**LiYCY-TP-UL** is a UL/CSA/CE approved, flexible, overall shielded, PVC multi-pair 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 and machine manufacturing. The twisted pair construction reduces internal interference (crosstalk) within the cable while the tinned copper braid shield offers optimum protection from electrical and electromagnetic interference (EMI). Not permitted for outdoor use.



### Construction:

- Fine tinned copper strands
- Strands to ASTM-B 174-95, class J-M
- Special PVC core insulation, class 43
- Semi-rigid to UL1581 table 50.182 & 50.183
- DIN47100 color code - with repetition
- Cores twisted into pairs
- Plastic foil separator
- 85% tinned copper braid
- 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: 20.0 x Ø
- Static bending radius: 10.0 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
- Pairs to UL1061/1729
- CSA AWM I/II A/B, FT1
- CE low voltage directive 73/23/EEC and 93/68/EEC
- ROHS compliant

| PART NUMBER                  | PAIRS | NOMINAL OD      | CU LBS/MFT | WT LBS/MFT |
|------------------------------|-------|-----------------|------------|------------|
| <b>26 AWG (7/34) 0,14mm2</b> |       |                 |            |            |
| 5542601                      | 1     | 0.157" / 4.0mm  | 11         | 21         |
| 5542602                      | 2     | 0.220" / 5.6mm  | 13         | 26         |
| 5542603                      | 3     | 0.228" / 5.8mm  | 15         | 32         |
| 5542604                      | 4     | 0.248" / 6.3mm  | 18         | 37         |
| 5542605                      | 5     | 0.264" / 6.7mm  | 21         | 46         |
| 5542606                      | 6     | 0.287" / 7.3mm  | 33         | 58         |
| 5542607                      | 7     | 0.295" / 7.5mm  | 35         | 62         |
| 5542608                      | 8     | 0.307" / 7.8mm  | 37         | 65         |
| 5542610                      | 10    | 0.358" / 9.1mm  | 40         | 74         |
| 5542612                      | 12    | 0.386" / 9.8mm  | 45         | 95         |
| 5542615                      | 15    | 0.437" / 11.1mm | 52         | 103        |
| 5542616                      | 16    | 0.445" / 11.3mm | 54         | 104        |
| 5542618                      | 18    | 0.465" / 11.8mm | 56         | 114        |
| 5542620                      | 20    | 0.488" / 12.4mm | 66         | 123        |
| 5542622                      | 22    | 0.516" / 13.1mm | 70         | 139        |
| 5542624                      | 24    | 0.570" / 14.5mm | 75         | 152        |
| 5542625                      | 25    | 0.594" / 15.1mm | 80         | 160        |
| <b>24 AWG (7/32) 0,22mm2</b> |       |                 |            |            |
| 5542401                      | 1     | 0.165" / 4.2mm  | 11         | 31         |
| 5542402                      | 2     | 0.232" / 5.9mm  | 18         | 36         |
| 5542403                      | 3     | 0.244" / 6.2mm  | 21         | 44         |
| 5542404                      | 4     | 0.264" / 6.7mm  | 25         | 53         |
| 5542405                      | 5     | 0.283" / 7.2mm  | 36         | 66         |
| 5542406                      | 6     | 0.303" / 7.7mm  | 44         | 76         |
| 5542407                      | 7     | 0.311" / 7.9mm  | 47         | 81         |
| 5542408                      | 8     | 0.331" / 8.4mm  | 50         | 87         |
| 5542410                      | 10    | 0.390" / 9.9mm  | 73         | 102        |
| 5542412                      | 12    | 0.402" / 10.2mm | 77         | 127        |
| 5542415                      | 15    | 0.449" / 11.4mm | 89         | 151        |
| 5542416                      | 16    | 0.457" / 11.6mm | 95         | 152        |
| 5542418                      | 18    | 0.480" / 12.2mm | 98         | 160        |
| 5542420                      | 20    | 0.500" / 12.7mm | 107        | 181        |
| 5542422                      | 22    | 0.531" / 13.5mm | 114        | 201        |
| 5542425                      | 25    | 0.583" / 14.8mm | 155        | 228        |

Sizes continued on next page.

## LiYCY-TP-UL UL/CSA/CE



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

| PART NUMBER                  | PAIRS | NOMINAL OD      | CU LBS/MFT | WT LBS/MFT |
|------------------------------|-------|-----------------|------------|------------|
| <b>22 AWG (7/30) 0,34mm2</b> |       |                 |            |            |
| 5542201                      | 1     | 0.181" / 4.6mm  | 11         | 39         |
| 5542202                      | 2     | 0.252" / 6.4mm  | 24         | 44         |
| 5542203                      | 3     | 0.272" / 6.9mm  | 30         | 52         |
| 5542204                      | 4     | 0.295" / 7.5mm  | 36         | 59         |
| 5542205                      | 5     | 0.319" / 8.1mm  | 42         | 74         |
| 5542206                      | 6     | 0.346" / 8.8mm  | 49         | 85         |
| 5542207                      | 7     | 0.362" / 9.2mm  | 53         | 94         |
| 5542208                      | 8     | 0.382" / 9.7mm  | 59         | 99         |
| 5542210                      | 10    | 0.453" / 11.5mm | 72         | 123        |
| 5542212                      | 12    | 0.472" / 12.0mm | 82         | 141        |
| 5542215                      | 15    | 0.528" / 13.4mm | 103        | 164        |
| 5542216                      | 16    | 0.535" / 13.6mm | 108        | 168        |
| 5542218                      | 18    | 0.567" / 14.4mm | 132        | 184        |
| 5542220                      | 20    | 0.591" / 15.0mm | 140        | 201        |
| 5542222                      | 22    | 0.626" / 15.9mm | 146        | 215        |
| 5542225                      | 25    | 0.681" / 17.3mm | 164        | 270        |
| <b>20 AWG (7/28) 0,56mm2</b> |       |                 |            |            |
| 5542001                      | 1     | 0.197" / 5.0mm  | 17         | 47         |
| 5542002                      | 2     | 0.276" / 7.0mm  | 38         | 60         |
| 5542003                      | 3     | 0.299" / 7.6mm  | 48         | 68         |
| 5542004                      | 4     | 0.327" / 8.3mm  | 62         | 80         |
| 5542005                      | 5     | 0.358" / 9.1mm  | 72         | 94         |
| 5542006                      | 6     | 0.398" / 10.1mm | 82         | 109        |
| 5542007                      | 7     | 0.406" / 10.3mm | 88         | 133        |
| 5542008                      | 8     | 0.500" / 12.7mm | 97         | 182        |
| 5542010                      | 10    | 0.520" / 13.2mm | 120        | 206        |
| 5542012                      | 12    | 0.535" / 13.6mm | 135        | 213        |
| 5542015                      | 15    | 0.610" / 15.5mm | 155        | 256        |
| 5542016                      | 16    | 0.614" / 15.6mm | 172        | 280        |
| 5542018                      | 18    | 0.642" / 16.3mm | 189        | 331        |
| 5542020                      | 20    | 0.673" / 17.1mm | 205        | 382        |
| 5542022                      | 22    | 0.709" / 18.0mm | 215        | 431        |
| 5542025                      | 25    | 0.780" / 19.8mm | 242        | 496        |

\* Additional sizes may be available.