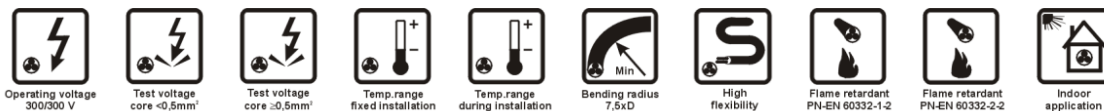


**LiY**  
**LiYV**

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## FLEXIBLE HOOK-UP WIRES



## APPLICATIONS

**LiY** and **LiYV** are hook-up wires intended for use in remote control, signal and data transmission and industrial data processing systems and computer networks.

Generally, they are designed for control cabinets, electronic devices and others as interconnection cables for electronic modules, equipment and instruments.

## CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (**LiY**) or tinned copper wires (**LiYV**),
- PVC insulation - coloured according to customer's requirement.

## AVAILABLE UPON REQUEST

**LiH** - halogen free wires, applied when higher safety in case of fire is required. The wires are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

## CHARACTERISTICS

| Conductor cross-section                  | mm <sup>2</sup> | 0.14  | 0.25 | 0.34 | 0.5  | 0.75 | 1.0  | 1.5  | 2.5  |
|------------------------------------------|-----------------|-------|------|------|------|------|------|------|------|
| Operating voltage peak value             | V               | 350   | 350  | 350  | 500  | 500  | 500  | 500  | 500  |
| Voltage test                             | V rms           | 1200  | 1200 | 1200 | 1500 | 1500 | 1500 | 1500 | 1500 |
| DC conductor resistance at 20°C, maximum | Ω/km            |       |      |      |      |      |      |      |      |
| bare copper wire                         |                 | 144.0 | 79.0 | 57.0 | 39.0 | 26.0 | 19.5 | 13.3 | 7.98 |
| tinned copper wire                       |                 | 148.0 | 82.0 | 59.0 | 40.1 | 26.7 | 20.0 | 13.7 | 8.21 |

|                                |                     |                        |                                |
|--------------------------------|---------------------|------------------------|--------------------------------|
| Operating voltage              | 300/300 V           | Minimum bending radius | 7.5 x wire diameter            |
| Insulation resistance, minimum | 20 MΩ·km            | Wire combustibility    | flame retardant                |
| Operating temperature range    |                     | Combustibility tests   | PN-EN 60332-1-2, IEC 60332-1-2 |
| for fixed installation         | from - 30 to + 70°C |                        | PN-EN 60332-2-2, IEC 60332-2-2 |
| for movable installation       | from - 5 to + 70°C  | Reference standards    | DIN VDE 0812, DIN VDE 0814     |

**CE = the wire meets requirements of the low voltage directive 2014/35/EU**

| Product No. | Number of conductors x conductor cross-section | Wire outer diameter (appr.) | Copper index | Wire weight (appr.) |
|-------------|------------------------------------------------|-----------------------------|--------------|---------------------|
|             | mm <sup>2</sup>                                | mm                          | kg/km        | kg/km               |
| 0080 001    | 1 x 0,14/1,1                                   | 1.10                        | 1.34         | 2.4                 |
| 0080 002    | 1 x 0,25/1,26                                  | 1.26                        | 2.40         | 3.6                 |
| 0080 010    | 1 x 0,34/1,35                                  | 1.35                        | 3.26         | 4.7                 |
| 0080 005    | 1 x 0,5/1,74                                   | 1.74                        | 4.80         | 7.1                 |
| 0080 006    | 1 x 0,75/2,0                                   | 2.0                         | 7.2          | 9.9                 |

| Product No. | Number of conductors x conductor cross-section | Wire outer diameter (appr.) | Copper index | Wire weight (appr.) |
|-------------|------------------------------------------------|-----------------------------|--------------|---------------------|
|             | mm <sup>2</sup>                                | mm                          | kg/km        | kg/km               |
| 0080 007    | 1 x 1,0/2,1                                    | 2.1                         | 9.6          | 12.4                |
| 0080 008    | 1 x 1,5/2,6                                    | 2.6                         | 14.4         | 18.4                |
| 0080 009    | 1 x 2,5/3,0                                    | 3.0                         | 24.0         | 28.3                |

Other conductor cross-sections available on request.

TECHNOKABEL S.A. reserves the right to change specifications without prior notice.