

### CONTACT

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PVC shielded data transmission cables with twisted pairs LiYCY-TP - UL approval

UL Style 2464 80°C 300V

### STANDARDS

**Product** UL 2464

#### Application

These cable is used for data and signal transmission where high flexibility and oil resistance are required. It is therefore a suitable connection for electrical panels and sensors.

#### Product characteristics

- Flame retardant according to IEC 60332-1-2 and UL VW-1
- Oil resistant according to EN 60811-2-1
- UV resistant (on request)

#### Design

##### Conductor

Bare copper stranded according to VDE 0295 cl. 5, IEC 60228 cl.5 and UL 1581 Tab. 20.1

##### Insulation

PVC compound according to UL Style 80°C 300V

Colour code: according to DIN 47100 (with colour repetition from 44 conductors)

##### Pairs

Conductors twisted in pairs acc. to DIN 47100

##### Assembly

Pairs twisted in layer + polyester tape

##### Drain wire

Tinned copper (optional)

##### Shield

Tinned copper braid, coverage 85 ± 5%

##### Sheath

PVC compound, oil resistant, flame retardant, according to UL Style 2464 80°C 300V

Colour code: Black Ral 9005 or Grey Ral 7001

**CHARACTERISTICS****Construction characteristics**

|                   |   |
|-------------------|---|
| Construction type | - |
|-------------------|---|

**Dimensional characteristics**

|                         |                   |
|-------------------------|-------------------|
| Number of cores         | -                 |
| Conductor cross-section | - mm <sup>2</sup> |
| Nominal outer diameter  | - mm              |

**Electrical characteristics**

|                               |            |
|-------------------------------|------------|
| Operating voltage             | 300 V      |
| Test voltage                  | 1500 V     |
| Insulation resistance at 20°C | 20 MOhm.km |

**Usage characteristics**

|   |               |
|---|---------------|
| Ambient static operating temperature, range | -30 ... 80 °C |
| Minimum bending radius, static (XD)         | 10            |