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PVC shielded data transmission cables LIYCY with 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)

##### Assembly

Conductors twisted in layers + polyester tape

##### Drain wire

Tinned copper (optional)

##### Shield

Tinned copper braid, coverage  $85 \pm 5\%$

##### 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	-
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**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