

CONTACT

Market information
industryprojects.business@lynxe
ogroup.com

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	-
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Dimensional characteristics

Number of cores	-
Conductor cross-section	- mm ²
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