

## LIYC11Y



### Application

Flexible cables that are applicable to connect the elements of information, control, measurement and control systems, and all the hard places, which require high resistance to abrasion, oil and water resistance.

The presence of high density screen ensures excellent protection during electromagnetic transmission of electrical signals and impulses.

Are suitable for mobile application, non-repetitive movement without tensile load, and for fixed wiring.

The cables are applicable in dry, damp and wet environment under normal mechanical loads. Outdoor use only in accordance with the indicated temperature range.

### Technical data

- manufactured acc. to DIN VDE 0812
- rated voltage : 250 V
- test voltage :
  - core/core - 1200 V;
  - core/screen - 800 V
- maximum conductor temperature: + 70 °C
- permissible conductor temperature at short circuit for 5s : max. +160°C
- insulation resistance: min 20 MΩ x km
- inductance: approx. 0,7 mH/km
- mutual capacitance at 800 Hz (core/adjacent cores): max 150 pF/m
- temperature of environment: occasional flexing: - 5 °C to +70 °C ; fixed: -40 °C to +80 °C
- minimum temperature during installation: - 5 °C
- minimum bending radius:
  - mobile : 10 D
  - fixed : 6 D (D - diameter or height of cable)
- special properties:
  - high resistance to oils and hydrolysis
  - high strength and abrasion resistance
  - high electromagnetic protection

### Cable design

- copper conductors class 5 acc. to IEC 60228
- insulation: PVC compound type T12 according to HD 21.1
- colour of insulation - in accordance to DIN 47100
- cores twisted in a bunch
- wrapping: plastic foil overlapping
- screen: braid of tinned copper wires coverage: 85±5%
- outer sheath - special PUR-compund
- outer sheath colour - grey RAL 7001 or other colour on request

Number of Conductors and Cross Section	Outer Diameter	Copper Weight	Cable Weight
No x mm <sup>2</sup>	mm	kg/km	kg/km
3 x 0,25	4,7	21	32
4 x 0,34	5,7	42	63
5 x 0,34	6,2	46	69