



# LiYY-BL/LiYCY-BL

Cable for hazardous areas, without green-yellow core, EMC\*

## Použití

The cables have special blue marking (hazard type -i-) for hazardous areas. They are used as flexible control and measuring cables meeting requirements for installation in electrical appliances. These installations are not earthed and require separate power circuit. The cables are not suitable for direct burial into earth. The copper braided screening ensures transmission of data signals and free from interference.

# Popis produktu

## Cable structure kabelu LiYY-BL

- Stranded bare copper conductor according to DIN VDE 0295, IEC 60228 cl. 5 (solid core available on request)
- Core insulation of special PVC
- Black cores with repeated white numbering according to DIN VDE 0293 without earth core
- Cores stranded in layers with optimal lay-length
- Sheath of special PVC compound
- Color blue for hazardous areas -i- (=intrinsically safe)
- PVC self-extinguishing and flame resistant , according to DIN VDE 0482-332-1-2/ DIN EN 60332/1-2/ IEC 60332-1-2
- Control cable with special PVC blue jacket for hazardous areas with the possibility of explosion or fire -i- (= intrinsically safe)
- For intrinsically safe installation, marking according to DIN VDE 0165 par 1, EN 60079-14 and IEC 60079-14 area 12.2.2.
- Temperature range flexing from -5°C to +70°C; fixed from -40°C to +80°C
- Nominal voltage  $U_0/U$  300/500 V
- Test voltage a.c. 3000 V
- Insulation resistance min. 20 M $\Omega$  x km
- Mutual capacitance
  - unscreened: core/core approx. 120 nF/km
  - screened: core/core approx. 140 nF/km; core/screen approx. 187 nF/km
- Inductance approx. 0,68 mH/km
- Coupling resistance for CY type max. 250  $\Omega$ /km
- Minimum bending radius LiYY-BL approx. 7,5 x cable diameter; LiYCY 10 x cable diameter
- Radiation resistance up to 80 x 10<sup>6</sup> cJ/kg (up to 80 Mrad)

### Note:

- \*EMC = Electromagnetic compatibility - recommended type.
- To optimise EMC features we recommend large round contacts of the copper braiding on both ends.
- These cables are intended for use within <50 V AC resp. <75 V DC voltage. They are not touched by the EC Low-Voltage Directive 2014/35/EU.
- Conforms to RoHS.

## PAAR-LiYCY-BL