

LiYCY

Flexible screened cable, color coded according to DIN 47100, EMC*

Konstrukce

- Stranded bare copper conductor for cross-sections $\geq 0,5 \text{ mm}^2$ according to DIN VDE 0295, IEC 60228 cl. 5
- Core construction: for $0,34 \text{ mm}^2 = 7 \times 0,25 \text{ mm}$
- Wires insulation of special PVC
- Wires stranded in layers with optimal lay-length
- Color codes according to DIN 47100, without color repeating
- Wires wrapped with plastic foil
- Tinned copper braided screening, approx 85% coverage
- Special grey PVC outer sheath
- Extensively oil resistant
- PVC self-extinguishing and flame-retardant, according to DIN VDE 0482-332-1-2/ DIN EN 60332-1-2/ IEC 60332-1-2

Použití

These screened cables are suitable for flexible use with free movement, but without tensile stress or forced movements in dry wet and moist areas but are not suitable for open air application. LiYCY cables are ideal whenever construction requirements call for minimal outer diameter such as areas of tool making, machine industry, eletrotechnics, computers, measuring and controlling technics. The extremely small outer diameter makes the cable also suitable for miniature plugs.

Technická data

- PVC data screened cables according to DIN VDE 0812
- Temperature range flexing from -5°C to $+70^\circ\text{C}$; fixed from -30°C to $+80^\circ\text{C}$
- Nominal voltage $0,14 \text{ mm}^2 = 350\text{V}$; $\geq 0,25 \text{ mm}^2 = 500\text{V}$
- Test voltage a.c. 50 Hz core/core 1200 V, core/screen 800 V
- Insulation resistance min. $200 \text{ M}\Omega \times \text{km}$
- Capacitance (approx. value) at 800 Hz (pF/m): ;core cross-section = $0,14 \text{ mm}^2$, core/core 120, core/screen 240; $\geq 0,25 \text{ mm}^2$ core/core 150, core/screen 270
- Inductance (approx. value) $0,65 \text{ mH/km}$
- Impedance (approx. value) 78Ω
- Minimum bending radius approx. $10 \times$ cable diameter
- Coupling resistance max. $250 \Omega/\text{km}$
- Radiation resistance up to $80 \times 10^6 \text{ cJ/kg}$ (up to 80 Mrad)



Popis produktu

Note:

- *EMC = Electromagnetic compatibility
- CE = the product is conformed with the EC Low-Voltage Directive 2014/35/EU.
- Other sizes and types available on request.
- Conforms to RoHS.