


<b>0032202</b>	<b>DATA SHEET</b>	
<b>valid from: 20.01.2025</b>	<b>UNITRONIC® LiYCY-CY</b>	

## Application

UNITRONIC® LiYCY-CY is a double screened flexible data-cable, which is mainly intended for fixed installation and flexible use, but not for constantly moving employment in the electronic sector.

With the single screen of the cores and the complete screen with a high covering the cable is a very good protection against electrical interferences.

The cable is for use in dry or damp rooms, but not for use outside.

## Design

Design	Design based on standard VDE 0812
Conductor	fine wire strands of bare copper acc. to IEC 60228 resp. EN IEC 60228, class 5
Insulation	PVC compound TI52 acc. to EN 50290-2-21
Core identification code	acc. to DIN 47100
Cable assembly	screened and sheathed cores are stranded in layers, optionally with fillers wrapping with foil on the outer layer
Screen	over each core: Braiding with tinned copper wires, coverage 85 % (nominal value) final screen: Braiding with tinned copper wires, coverage 85 % (nominal value)
Outer sheath	Sheath over each screened core: special PVC-based compound colour: grey (similar RAL 7032) Complete cable: special PVC-based compound colour: grey (similar RAL 7032)

## Electrical properties at 20 °C

Specific volume resistivity	> 20 G Ω x cm
Maximum operating voltage	250 V (not intended to be used in conjunction with low impedance sources, such as power grids)
Test voltage	1200 V

## Mechanical and thermal properties

Minimum bending radius	occasional flexing: 15 x outer diameter fixed installation: 6 x outer diameter
Temperature range	occasional flexing: -5 °C up to +70 °C fixed installation: -40 °C up to +80 °C
Flammability	flame retardant acc. to IEC 60332-1-2 resp. EN 60332-1-2

**General requirements** These cables conform to EU-Directive 2011/65/EU (RoHS, Restriction of the use of certain hazardous substances).

**Environmental information** These cables meet the substance-specific requirements of the EU Directive 2011/65/EU (RoHS).

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