

0033202	DATA SHEET	
valid from: 01.01.2019	UNITRONIC® LiYD11Y	

Application

UNITRONIC® LiYD11Y is a screened cable for low frequency applications. The cable is designed for fixed installation and for conditional flexible use. It is used in dry and damp interiors and appropriate for outside usage.

The cable is appropriate to make spiral cables.

The screen provides protection against electromagnetic interferences.

This data and signal cable is used in computer systems, electronic control and office equipment.

The outer sheath of Polyurethane is resistant to mineral oils and abrasion.

Design

Design	Design based on standard VDE 0812
Conductor	extra-fine wire strands of bare copper wires
Insulation	special PVC-based compound
Core identification code	according to DIN 47100
Stranding	cores are stranded in layers, 2 layer stranding only: wrapping with fleece on the outer layer
Screen	Spinning of bare copper wires, wrapping with fleece
Outer sheath	special PUR-based compound colour: black, similar RAL 9005

Electrical properties at 20°C

Specific volume resistivity	> 20 G Ω x cm
Mutual capacitance	C/C: approx. 120 nF/km C/S: approx. 160 nF/km (at 800 Hz)
Inductance	approx. 0.65 mH/km
Peak operating voltage	250 V (not for power applications)
Test voltage	1200 V

Mechanical and thermal properties

Minimum bending radius	Flexing: 10 x cable $\emptyset$ Fixed installation: 6 x cable $\emptyset$
Temperature range	Flexing: - 5 °C up to +70 °C Fixed installation: - 40 °C up to +80 °C
Flammability	flame retardant acc. to IEC 60332-2-2
General requirements	This cable is conform to the EU-Directive 2011/65/EU (RoHS, Restriction of the use of certain hazardous substances).

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