4550115	DATA SHEET	LAPP
valid from: 2021-09-01	Li2YCY single core	

Application

Li2YCY single core is a screened, single core for wiring of measurement instruments, transmission and receiving equipment, switch gear cabinets and electrical components. The screening provides protection against electrical interferences.
The cable is used in dry, damp and wet interiors but not appropriate for outside usage.

Design

Design	based on VDE 0812
Conductor	tinned copper wires, conductor make-up: 0.14 mm²: ca. 18 x 0,10 mm 0.25 mm²: ca. 14 x 0,15 mm 0.5 bis 2.5 mm²: acc. to IEC 60228 resp. EN 60228, class 5
Insulation	PE compound
Screen	spinning of tinned copper wires
Outer sheath	PVC TM2 acc. to EN 50363-4-1 Colour of the sheath: transparent

Electrical properties at 20 °C

Conductor resistance	0.14 mm²: max. 142.0 Ω/km 0.25 mm²: max. 82.0 Ω/km 0.5 bis 2.5 mm²: acc. to IEC 60228 resp. EN 60228, class 5
Specific volume resistivity	> 2 G Ω x cm
Maximum operating voltage	0.14 mm²: 350 V (not for power applications) ≥ 0.25 mm²: 500 V (not for power applications) Must not be connected to the mains supply voltage.
Test voltage	1200 V

Mechanical and thermal properties

Temperature range	occasional flexing: -5 °C up to +70 °C max. conductor temperature fixed installation: -30 °C up to +80 °C max. conductor temperature
Flammability	flame retardant acc. to EN 60332-1-2 resp. IEC 60332-1-2

Tests	based on DIN VDE 0812
General requirements	These cables are conform to EU-Directive 2014/35/EU (Low Voltage Directive) and 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).
Note	Trade product, no Lapp product