

4530101	DATA SHEET	
valid from: 01.01.2019	LiYCY single core	

Application

LiYCY 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	Design and characteristics is similar to VDE 0812.
Conductor	tinned copper wires, conductor make-up: 0.14 mm ² : No. of wires x Ø of wire 18 x 0,10, resistance max. 142.0 Ω/km 0.25 mm ² : No. of wires x Ø of wire 14 x 0,15, resistance max. 82.0 Ω /km 0.5 bis 2.5 mm ² : according to VDE 0295, class 5
Insulation	PVC TI2 acc. to EN 50363-3 bzw. VDE 0207-363-3
Screen	braid of tinned copper wires
Outer sheath	PVC TM2 acc. to EN 50363-4-1 bzw. VDE 0207-363-4-1 Colour of the sheath: transparent

Electrical properties at 20°C

Specific volume resistivity	> 10 G Ω x cm
Peak operating voltage	0.14 mm ² : 350 V (not for power applications) ≥ 0.25 mm ² : 500 V (not for power applications)
Test voltage	800 V

Mechanical and thermal properties

Temperature range	Occasional flexing: - 5 °C up to +70 °C Fixed installation: - 30 °C up to +80 °C
Flammability	flame retardant acc. to IEC 60332-1-2
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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