

LiYCY single core**DB4530101**

valid from: 29.08.2016

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 provide protection against electrical interferences. The cable is used in dry, damp and wet interiors but not appropriate for outside usage.

Design

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

Electrical properties at 20°

Specific insulation resistance	> 10 GΩ x cm
Peak working 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 60 332-1-2 resp. VDE 0482-332-1-2
EU-Directive	This cable is conform to the EU-Directive 2011/65/EU (RoHS, Restriction of the use of certain hazardous substances)

Design and properties based on VDE 0812.