

LiYCY single core**DB4530101**

valid from: 10/19/2010

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.

This cable confirms to RoHS directive (2002/95/EG).

Design

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 to VDE 0207 part 4
Screen	braid of tinned copper wires
Outer sheath	PVC TM2 acc. to VDE 0207 part 5 Colour of the sheath: transparent

Electrical properties at 20°

Specific insulation resistance	> 10 G Ω x cm
Peak working voltage	350 V (not for power applications)
Test voltage	800 V

Mechanical and thermal properties

Temperature range	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

Design and characteristics is similar to VDE 0812.