DATA SHEET	0028202
UNITRONIC® LiYY	valid from : 04.09.2006

Application

UNITRONIC® LiYY is a flexible control cable for control and Data transmissions for weak-current applications. The cable is intended for static laying and flexible use, but not for constantly moving using in the electronic sector; among other places., it may be used in dry and damp rooms.

Design, dimenisions and electrical characteristics are acc. or similar to the following regulations:

Design

similar to VDE 0812

Conductor	standed conductor of bare copper, similar to VDE 0812 ≥ 0,5 mm^2 acc.to VDE 0295, class 5
Core insulation	PVC compound YI2 in acc. with VDE 0207, part 4
Colour code	DIN 47100, without colour repetition after the 44th core (exception colour sequence for cables with 4 cores: white, brown, green, yellow)
Outer sheath	PVC compound YM2 in acc. with VDE 0207 part 5 Colour of sheath: pebblestone-gray (RAL 7032)

Technical Data

Conductor resistance		0,14 mm^2 148 Ω/km, 0,25 mm^2 79,9 Ω/km 0,34 mm^2 57,5 Ω/km ≥ 0,5 mm^2 nach VDE 0295
Insulation: spec. Insulation resistance		min. 10 GΩxcm acc. to VDE 0207, part 4
Inductance		approx. 0,67 mH/km
Operating voltage (not for power purposes) (peak value)		0,14 mm² 350 V ≥ 0,25 mm² 500 V
Test voltage:		0,14 mm² 1200 V ≥ 0,25 mm² 1500 V
Minimum bending radius at flexible use:		10 x cable diameter
Temperature range	flexing:	- 5 °C up to +70 °C
	static:	- 40 °C up to +80 °C
Flame propagation UNITRONIC® LiYY		flame retardant acc. to VDE 0482, part 265-2-1 / IEC 60 332-1

At room temperature is UNITRONIC® LiYY largely resistant to the action of acids, caustic solutions and certain oils