



<b>DATA SHEET</b>	0035101
<b>UNITRONIC® LiYY (TP)</b>	valid from : 04.09.2006

## Application

UNITRONIC® LiYY (TP) is a flexible, paired cable for control and data transmissions for fixed installation and flexible use, but not for high flexible use in power chains and permanent moved applications. By the pair twisting the electric circuits are well decoupled. UNITRONIC® LiYY (TP) is intended for use in dry and damp interiors, but not outside. At room temperature they are generally resistant against acids, caustics solutions and certain oils. Design and electrical characteristics in acc. to VDE 0812.

## Design

Conductor	in acc. to VDE 0812, but not tinned up to 0,5 mm <sup>2</sup> in acc. to VDE 0295, class 5
Insulation	PVC compound YI2 in acc. to VDE 0207 part 4
Coding	according to DIN 47100
Stranding	cores twisted into pairs, pairs twisted in layers
Sheath	PVC compound YM2 in acc. to VDE 0207 part 5
Colour sheath	grey

## Technical Data

Conductor cross section [mm <sup>2</sup> ]	Loop resistance [max.Ω/km]		
0,14	148		
0,25	79,9		
up to 0,5	In acc. to VDE 0295		
Specific insulation resistance in acc. to VDE 0207 part 4		min. GΩxcm	10
Inductance		mH/km	appr. 0.67
Operating Voltage for 0.14 mm <sup>2</sup> (not for power purposes)		V	350
for ≥ 0,25 mm <sup>2</sup> (not for power purposes)		V	500
Test voltage for 0.14 mm <sup>2</sup>		U <sub>eff.</sub> V	1200
for ≥ 0,25 mm <sup>2</sup>		U <sub>eff.</sub> V	1500
Minimum bending radius	moved		10 x cable Ø
Temperature range	moved	°C	- 5 to + 70
	static	°C	- 40 to + 80
Flame propagation	flame retardant to VDE 0482, part 265-2-1 / IEC 60 332-1		

elaborated by: TE-K: M. Herb	Document: DB0035101_2EN	page 1 of 1
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