



<b>DATA SHEET</b>	0034250
<b>UNITRONIC® CY PiDY</b>	valid from : 15.07.2002

## Application

UNITRONIC® CY PiDY is a screened, paired, flexible cable with individual screening and sheathing of each pair. The cable is particularly suitable for the transmission by different pairs of signals, varying in frequency and voltage. The cable is therefore preferably used wherever a high level of interferences and mutual influences occur for example in process control systems, machining centres and security systems.

The cable is intended for static laying and flexible use in dry and damp interiors. Design and electrical characteristics acc. to VDE 0812.

## Design

Conductor	fine-wire strands of bare copper wire; 0.25 mm <sup>2</sup> (14 x 0.15 mm)
Insulation	PVC compound, core diameter 1.3 mm
Coding	to DIN 47100
Pair stranding	cores twisted into pairs
Pair screening	pairs individual screened by wrapping of copper wires
Pair sheath	PVC YM2 to VDE 0207, grey RAL 7032, flame retardant, 3.7 mm diameter
Stranding	screened pairs twisted in layers
Screening	braiding of tinned copper wires
Sheath	PVC YM2 to VDE 0207, grey, RAL 7032, flame retardant,

LAPPKABEL STUTTGART UNITRONIC® CY PiDY ART. 0034250

## Electrical properties at 20° C

Loop resistance		max. Ω/km	160
Specific insulation resistance		min. GΩxcm	20
Mutual capacitance	core/core	nF/km	appr. 120
	core/screen	nF/km	appr. 160
Inductivity		mH/km	appr. 0.45
Operating voltage (not for power purposes)		V	350
Test voltage		U <sub>eff.</sub> V	1200
Temperature range	static	°C	- 30 to + 70
Minimum bending radius	static		6 x Ø cable
	moved		15 x Ø cable
Flame propagation	flame retardant acc. to VDE 0482, part 265-2-1 / IEC 60 332-1		

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