


U.I. Lapp GmbH	PRODUCT INFORMATION	
	UNITRONIC® CY PiDY (TP)	12.09.2012

Screened data transmission cable with copper-wrapped twisted pairs
TP structure minimises crosstalk
Individually screened pairs and the overall braid minimise electrical interference enormously



Info

PiDY = Pairs with copper wire wrapping and PVC sheath
TP = twisted pair

Application range

Cable should be used in areas with high levels of electromagnetic interferences
For fixed installation and flexible use
Dry or damp rooms

Design

Fine-wire strand made of bare copper wires
Core insulation made of PVC
Cores twisted into pairs
Copper wrapping over pairs
Inner sheath made of PVC over screened pairs
Tinned-copper braiding
Outer sheath made of PVC Outer sheath colour: pebble grey (RAL 7032)

Product features

The cable remains flexible despite multiple screening
Flame-retardant according to IEC 60332-1-2
Colour-coded in accordance with DIN 47100

Remark

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100kg. Refer to Appendix T17 for the definition and calculation of copper-related surcharges.


Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum

Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).

Photographs are not to scale and do not represent detailed images of the respective products.

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Technical Data

Core identification code:	DIN 47100, refer to Appendix T9
Mutual capacitance:	C/C approx. 120 nF/km C/S: approx. 160 nF/km
Peak operating voltage:	(not for power applications) 350 V
Inductivity:	approx. 0.65 mH/km
Based on:	VDE 0812
Specific insulation resistance:	> 20 GOhm x cm
Conductor stranding:	Stranded conductor, fine-wire
Minimum bending radius:	Fixed installation: 6 x outer diameter
Test voltage:	1200 V
Loop resistance:	< 160 Ohm/km
Temperature range:	Fixed installation: -30 °C to +70 °C Occasional flexing: -5 °C to +50 °C
Characteristic impedance:	Approx. 65 Ohm

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Part number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
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0034250	2 x 2 x 0,25	9.3	59.6	112
0034251	3 x 2 x 0,25	9.8	72.7	136
0034252	4 x 2 x 0,25	11.1	88.2	168
0034253	5 x 2 x 0,25	11.8	103.8	201
0034254	6 x 2 x 0,25	12.8	125.7	244
0034255	7 x 2 x 0,25	14.1	143.6	274
0034256	8 x 2 x 0,25	15.4	161.0	325
0034257	10 x 2 x 0,25	17.1	186.8	342
0034258	12 x 2 x 0,25	18.3	239.5	416
0034259	16 x 2 x 0,25	20.3	316.7	542