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



RoHS

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.

PN 0486/01_03.10 ©2012 Lapp Group - Technical changes reserved
Photographs are not to scale and do not represent detailed images of the respective products.

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

PN 0486/01_03.10
©2012 Lapp Group - Technical changes reserved
Photographs are not to scale and do not represent detailed images of the respective products.

Part number		Number of cores and mm² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
	UNITRONIC® CY PiDY (TP)				
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

PN 0486/01_03.10
©2012 Lapp Group - Technical changes reserved
Photographs are not to scale and do not represent detailed images of the respective products.