UNITRONIC® CY PiDY (TP)

Screened data transmission cable with copper-wrapped twisted pairs

UNITRONIC® CY PiDY (TP): Low-frequency data cable, Flexible, PVC, Screened, Twisted Pairs with copper wrapping screen, Inner sheath, Grey, IEC flame retardant

Info
PiDY = Pairs with copper wire wrapping and PVC sheath

Interference signals

Benefits
Decoupling of circuits by means of
twisted-pair (TP) design (crosstalk effects)
Individually screened pairs and the overall braid minimise electrical interference

Application range
Cable should be used in areas with high levels of electromagnetic interferences
Data processing, process control systems, machining centres, security systems and electronics
Suitable for the transmission with varying in frequency and voltage or sensitive signals
For fixed installation and flexible use
Dry or damp rooms

Product features
The cable remains flexible despite multiple screening
Flame-retardant according IEC 60332-1-2

Norm references / Approvals
Based on VDE 0812

Product Make-up

Last Update (23.04.2024)

Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

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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: grey (similar to pebble grey/ RAL 7032)

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000104 ETIM 6.0 Class-Description: Control cable
Core identification code:	DIN 47100, refer to Appendix T9
Mutual capacitance:	C/C: approx. 120 nF/km C/S: approx. 160 nF/km
Inductivity:	approx. 0.65 mH/km
Conductor stranding:	Stranded conductor, fine-wire
Minimum bending radius:	Fixed installation: 6 x outer diameter
Loop resistance:	< 160 Ohm/km
Characteristic impedance:	Approx. 65 Ohm
Temperature range:	Occasional flexing: -5 °C to +70 °C Fixed installation: -40 °C to +80 °C

Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 150/100 kg. Refer to catalogue 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 and graphics are not to scale and do not represent detailed images of the respective products.
Prices are net prices without VAT and surcharges. Sale to business customers only.

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PRODUCT INFORMATION

Article number	Dimension and cross section in mm2	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	10.7	88.2	168
0034253	5 x 2 x 0.25	11.7	103.8	201
0034254	6 x 2 x 0.25	13.1	125.7	244
0034256	8 x 2 x 0.25	15.7	161	325
0034257	10 x 2 x 0.25	16.9	186.8	342
0034258	12 x 2 x 0.25	17.4	239.5	416
0034259	16 x 2 x 0.25	19.3	316.7	542

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