

Low frequency data transmission cables

DIN colour code



& LAPP GROUP



PiDY = Pairs with copper wire wrapping and PVC sheath

UNITRONIC® CY PIDY (TP) Screened data transmission cable with copper-wrapped twisted pairs

LAPP KABEL STUTIGART UNITRONIC CY PIDY (TP)



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
- 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

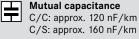
- Fine-wire strand made of bare copper wires
- · Core insulation made of PVC
- Cores twisted into pairs
- Copper wrapping over pairs
- Inner sheath made of PVC over screened
- Tinned-copper braiding
- Outer sheath made of PVC Outer sheath colour: pebble grey (RAL 7032)

Technical data

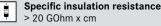


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Core identification code DIN 47100, refer to Appendix T9









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

Approx. 65 Ohm

Occasional flexing: -5°C to +70°C Fixed installation: -40°C to +80°C

Characteristic impedance

Article number	Number of pairs and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
UNITRONIC® CY Pi	iDY (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

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 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: $coil \le 30 \text{ kg or} \le 250 \text{ m}$, 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.

■ Similar products

UNITRONIC® Li2YCY PiMF refer to page 262

- SKINTOP® MS-SC-M refer to page 674
- UNIVERSAL STRIP stripping and cutting tool refer to page 910
- STAR STRIP stripping tool refer to page 910