

Product Description

TP structure minimises crosstalk; Total screening prevents/reduces interference from neighbouring cables



Application range

- Cable should preferably be used where a high level of faults and mutual interference is expected.
- Stationary application and flexible use
- Dry and damp indoors

Benefits

- TP structure minimises crosstalk
- Total screening prevents/reduces interference from neighbouring cables

Design

- Stranded bare copper conductor, fine
- Cooper wrapping
- PVC core insulation, inner and outer sheath
- Tinned copper braiding
- Colour: pebble grey (RAL 7032)

Product features

- Data transmission cable with individually screened core pairs and overall copper braiding
- Flame retardant according to IEC 60332-1-2



Technical Data

Core identification code

DIN 47100, see Appendix T9

Mutual capacitance

C/C approx. 120 nF/km C/S: approx. 160 nF/km

Peak working voltage

(not for power applications) at 0.14 mm²: 350 V
at >= 0.25 mm²: 500 V

Inductivity

approx. 0.65 mH/km

Based on

VDE 0812

Specific insulation resistance

> 20 GOhm x cm

Conductor stranding

Strand, fine wire, see Appendix T11

Minimum bending radius

Fixed installed: 6 x outer diameter

Test voltage

1200 V

Loop resistance

< 160 Ohm/km

Range of temperature

Fixed installation: -30°C up to +70°C

Flexible application: -5°C up to +50°C

Characteristic impedance

approx. 65 Ohm

Article List

Part number	Number of cores and mm ² per conductor	Outer diameter in 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

Footnote:

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

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

Packaging size: Coil ≤ 30 kg and ≤ 250 m, otherwise drum



Please specify the desired packaging size (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.