

## Product Description

Twisted pair construction permits largely interference-free operation (decoupling).



## Application range

- Everywhere, where robust and screened cables with small dimensions are necessary

## Benefits

- Twisted pair construction permits largely interference-free operation (decoupling).

## Design

- Stranded bare conductor, PVC core insulation, core colours in accordance with DIN 47100, tin plated copper braid, PUR outer sheath, resistant to hydrolysis and microbes
- Colour: pebble grey (RAL 7032)

## Product features

- TP structure decouple circuits
- Copper braiding screens cable against electrical interference
- PUR outer sheath resistant against a multitude of oils
- Special notch and tear resistance
- Flame retardant according to IEC 60332-1-2



**Technical Data**

**Core identification code**

DIN 47100 without colour repetition, see Appendix T9

**Mutual capacitance**

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

**Peak working voltage**

(not for power applications) 250 V

**Inductivity**

approx. 0.65 mH/km

**Based on**

VDE 0814: (DIN 47414) or VDE 0812

**Insulation resistance**

> 20 GOhm x cm

**Conductor stranding**

Fine copper wire strands

**Minimum bending radius**

Flexing: 15 x outer diameter

Fixed installed: 6 x outer diameter

**Test voltage**

At 0.14 mm<sup>2</sup>: 1200 V

> 0.14 mm<sup>2</sup>: 1500 V

**Loop resistance**

2 x value of table Conductor resistances see Appendix T11

**Range of temperature**

Static: -30°C up to +80°C

Flexing: -5°C up to +70°C

**Article List**

Part number	Number of pairs and conductor cross-section/ mm <sup>2</sup>	Outer diameter in mm	Copper index kg/km	Weight kg/km
UNITRONIC® PUR CP (TP)				
0032850	2 x 2 x 0,25	6.3	28.0	54
0032851	3 x 2 x 0,25	7.1	39.6	66
0032852	4 x 2 x 0,25	7.6	44.9	81
0032854	6 x 2 x 0,25	8.5	69.5	115
0032860	2 x 2 x 0,5	8.6	48.1	93
0032861	3 x 2 x 0,5	8.7	73.7	129
0032862	4 x 2 x 0,5	9.4	82.0	146
0032864	6 x 2 x 0,5	11.1	110.0	198
0032872	4 x 2 x 0,75	10.7	108.0	179
0032873	5 x 2 x 0,75	11.1	126.0	215

**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](http://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.