

### Product Description



### Application range

- These control and signal cables are used in the milliamperage range for computer systems, electronic control equipment, office machines, scales etc. and wherever the thinnest possible control cables are required.

### Design

- Stranded bare copper conductor
- PVC core insulation
- 3 cores and more: (Green/yellow) 2 cores (black/blue)
- PVC outer sheath
- Colour: silver grey (RAL 7001)

### Product features

- Robust, flexible and resistant outer sheath
- Small external diameter despite high number of cores
- Flame retardant according to IEC 60332-1-2



**Technical Data**

**Core identification code**

UNITRONIC® colour code see table T7

**Mutual capacitance**

Approx. 120 nF/km

**Peak working voltage**

(not for power applications) 500 V

**Inductivity**

Approx 0.7 mH/km

**Based on**

VDE 0814: (DIN 47414) or VDE 0812

**Specific insulation resistance**

> 10 GOhm x cm

**Conductor stranding**

Strand, fine wire except 0.34 mm<sup>2</sup>, 7 wire

**Minimum bending radius**

Flexing: 15 x outer diameter

**Test voltage**

1500 V core/core

**Protective conductor**

Green/yellow

**Range of temperature**

Occasional flexing: -5°C up to +70°C

Static: -30°C up to +80°C

**Article List**

Part number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
UNITRONIC® 100				
0028009	2 x 0,14	3.0	2.7	12
0028010	3 x 0,14	3.2	4.05	17
0028011	4 x 0,14	3.4	5.4	19
0028012	5 x 0,14	3.7	6.7	22
0028014	7 x 0,14	4.0	9.45	27
0028015	10 x 0,14	5.0	13.5	41
0028019	24 x 0,14	7.2	32.4	94
0028020	27 x 0,14	7.4	36.5	107
0028023	40 x 0,14	8.9	54.0	152
0028025	52 x 0,14	10.0	70.2	198
0028030	3 x 0,25	3.8	7.2	21
0028031	7 x 0,25	4.9	16.8	48
0028032	10 x 0,25	6.4	24.0	77
0028033	14 x 0,25	6.9	33.6	95
0028034	16 x 0,25	7.3	38.4	112
0028035	21 x 0,25	8.5	50.4	139
0028036	24 x 0,25	9.0	57.6	163
0028037	27 x 0,25	9.2	64.8	171

0028038	30 x 0,25	9.9	72.0	187
0028039	36 x 0,25	10.7	86.4	235
0028040	40 x 0,25	11.6	96.1	266
0028041	44 x 0,25	12.0	105.7	290
0028042	52 x 0,25	12.5	124.9	343
0028044	61 x 0,25	13.3	146.4	398
0028047	3 x 0,34	4.2	9.8	33
0028048	7 x 0,34	5.5	22.8	62
0028049	10 x 0,34	7.2	32.6	89
0028050	14 x 0,34	7.8	45.7	118
0028051	16 x 0,34	8.3	52.0	131
0028052	21 x 0,34	10.0	69.0	167
0028054	27 x 0,34	10.8	88.0	208
0028056	36 x 0,34	12.1	118.0	292
0028057	40 x 0,34	13.1	131.0	330
0028059	52 x 0,34	14.6	170.0	424
0028061	61 x 0,34	15.5	199.0	508

**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  $\leq$  30 kg and  $\leq$  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.