

## UNITRONIC® 100

Control and signal cable with small cross-sections

UNITRONIC® 100: Low-frequency PVC data cable, LAPP UNITRONIC® core identification code, Grey, Flame retardant, For various applications

### Info

UNITRONIC® colour code  
with protective conductor



### Application range

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

### Product features

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

### Norm references / Approvals

Based on: VDE 0814 or VDE 0812

### Product Make-up

Fine-wire/multi-wire (0.34 mm<sup>2</sup>) strand made of bare copper wires  
Core insulation made of PVC  
Outer sheath made of PVC  
Outer sheath colour: grey (RAL 7001)

## UNITRONIC® 100

### 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:	Refer to Appendix T7 for the UNITRONIC® colour codes
Mutual capacitance:	Approx. 120 nF/km
Peak operating voltage:	(not for power applications) 500 V
Inductivity:	approx. 0.7 mH/km
Conductor stranding:	Stranded, fine-wire 0.34 mm <sup>2</sup> : 7-wire
Minimum bending radius:	Occasional flexing: 15 x outer diameter Fixed installation: 4 x outer diameter
Protective conductor:	Green-yellow
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](http://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.

**UNITRONIC® 100**

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
UNITRONIC® 100				
0028009	2 x 0.14	3	2.8	12
0028010	3 x 0.14	3.2	4.2	17
0028012	5 x 0.14	3.7	7	22
0028014	7 x 0.14	4	9.8	27
0028015	10 x 0.14	5	14	41
0028019	24 x 0.14	7.2	33.6	94
0028025	52 x 0.14	10	72.8	198
0028030	3 x 0.25	3.8	7.5	21
0028031	7 x 0.25	4.9	17.5	48
0028032	10 x 0.25	6.4	25	77
0028033	14 x 0.25	6.9	35	95
0028034	16 x 0.25	7.3	40	112
0028035	21 x 0.25	8.5	52.5	139
0028036	24 x 0.25	9	60	163
0028037	27 x 0.25	9.2	67.5	171
0028038	30 x 0.25	9.9	75	187
0028039	36 x 0.25	10.7	90	235
0028040	40 x 0.25	11.6	100	266
0028042	52 x 0.25	12.5	130	343
0028044	61 x 0.25	13.3	152.5	398
0028047	3 x 0.34	4.2	10.5	33
0028048	7 x 0.34	5.5	22.8	62
0028051	16 x 0.34	8.3	54.4	131

Last Update (27.08.2018)

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 Product Management [www.lappkabel.de](http://www.lappkabel.de)

You can find the current technical data in the corresponding data sheet.

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