

UNITRONIC® 100

Control and signal cable with small conductor cross-sections

UNITRONIC® 100 - PVC data cable for versatile use for low-frequency data transmission with special UNITRONIC® colour code

Info

UNITRONIC® colour code
with protective conductor



Application range

These control and signal cables are used in the milliampere range of electronics for computer systems, electronic control and regulation equipment, office machines, scales etc. and wherever the smallest 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
From 3 cores with protective conductor (green/yellow)
2 cores (black/blue)

Norm references / Approvals

Based on: VDE 0814 or VDE 0812

Product Make-up

Fine-wire/multi-wire (0.34 mm²) 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 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Core identification code:	Refer to table T7 for the UNITRONIC® colour code
Mutual capacitance:	approx. 120 nF/km
Peak operating voltage:	(not for power applications) 500 V
Inductivity:	approx. 0.7 mH/km
Conductor stranding:	Strands, fine-wire 0.34 mm ² : 7-wire
Minimum bending radius:	Occasional flexing: 15 x outer diameter Fixed installation: 4 x outer diameter
Test voltage:	Core/Core: 1500 V eff. Core/Shield: 1500 V
Protective conductor:	Green-yellow
Temperature range:	Occasional flexing: -5 °C to +70 °C Fixed installation: -40 °C to +80 °C

Note

Unless otherwise specified, the product values shown are nominal values. You can receive further values, such as tolerances, upon request if they are available and have been released for publication.

Copper price basis: EUR 150/100 kg; see catalogue appendix T17 for the application and definition of "Metal price basis" and "Metal index"

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

Packaging: Ring ≤ 30 kg or ≤ 250 m, otherwise drum

Please specify the preferred packaging (e.g. 1 x 500 m drum or 5 x 100 m rings)

Photographs 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 ² 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 (17.06.2017)

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Product Management www.lappkabel.deYou can find the current technical data in the corresponding data sheet.
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