

UNITRONIC® 100 CY

Screened control and signal cable with small cross-sections

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



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
- Cable similar to UNITRONIC® 100, but with copper braiding
- Flame-retardant according IEC 60332-1-2
- 3 cores with earth wire (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
- Inner sheath made of PVC
- For the cross section of 0.14 mm², a polyester tape is used underneath the screen braiding instead of the inner sheath.
- Tinned-copper braiding
- Outer sheath made of PVC
- Outer sheath colour: grey (RAL 7001)

Technical Data

Classification ETIM 5:

ETIM 5.0 Class-ID: EC000104

ETIM 5.0 Class-Description: Control cable

Last Update (15.05.2025)

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Product Management www.lappkabel.de

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

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UNITRONIC® 100 CY

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
Inductivity:	approx. 0.7 mH/km
Conductor stranding:	Stranded, fine-wire 0.34 mm ² : 7-wire
Minimum bending radius:	Occasional flexing: 20 x outer diameter Fixed installation: 6 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

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.

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Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
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0034006	2 x 0.14	3.7	12	20
0034007	3 x 0.14	3.9	13	28
0034008	4 x 0.14	4.1	14.3	33
0034009	5 x 0.14	4.4	15.5	38
0034010	7 x 0.14	4.7	20.3	49
0034011	10 x 0.14	5.7	34.3	66
0034012	14 x 0.14	6.3	32	80
0034013	16 x 0.14	6.6	40.9	90
0034016	27 x 0.14	8.1	70.6	148
0031031	3 x 0.25	5.4	20.2	48
0031066	4 x 0.25	5.7	24	61
0031067	5 x 0.25	6.3	29	72
0031032	7 x 0.25	6.7	37.6	82
0031033	10 x 0.25	8.2	48.8	129
0031034	14 x 0.25	8.7	64.6	147
0031068	2 x 0.34	5.6	20	45
0031048	3 x 0.34	5.8	24.1	62
0031069	4 x 0.34	6.4	29	65
0031070	5 x 0.34	6.9	42	95
0031049	7 x 0.34	7.3	50	106
0031050	10 x 0.34	9	67.7	167
0031052	16 x 0.34	10.5	95	219
0031060	52 x 0.34	17.6	336	629