

UNITRONIC® 100 CY

Shielded control and signal cable with small conductor cross-sections

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



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
- Cable similar to UNITRONIC® 100, but with copper screening braid
- 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
- Inner sheath made of PVC
- For the conductor cross-section of 0.14 mm², a polyester film is used under the screening braid instead of the inner sheath.
- Tinned-copper braiding
- Outer sheath made of PVC
- Outer sheath colour: grey (RAL 7001)

UNITRONIC® 100 CY**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: 20 x outer diameter Fixed installation: 6 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.

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Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
UNITRONIC® 100 CY				
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

Last Update (17.06.2017)

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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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