

U.I. Lapp GmbH	PRODUCT INFORMATION	
	UNITRONIC® 100 CY	14.11.2013

Screened control and signal cable with small cross-sections



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.

Design

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)

Norm references / Approvals

Based on: VDE 0814 or VDE 0812

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)

Remark

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100kg. 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 are not to scale and do not represent detailed images of the respective products.

Product Management	Document: LAPP_PRO230EN.pdf	1 / 3
--------------------	-----------------------------	-------

U.I. Lapp GmbH	PRODUCT INFORMATION	
	UNITRONIC® 100 CY	14.11.2013

Technical Data

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
Specific insulation resistance:	> 10 GOhm x cm
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
Test voltage:	Core/core: 1500 V rms Core/screen: 1500 V
Protective conductor:	Green-yellow
Temperature range:	Occasional flexing: -5 °C to +70 °C Fixed installation: -40 °C to +80 °C

Product Management	Document: LAPP_PRO230EN.pdf	2 / 3
--------------------	-----------------------------	-------

UNITRONIC® 100 CY

14.11.2013

Part 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	12.0	20
0034007	3 x 0,14	3.9	13.0	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	32.0	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	24.0	61
0031067	5 x 0,25	6.3	29.0	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	20.0	45
0031048	3 x 0,34	5.8	24.1	62
0031069	4 x 0,34	6.4	29.0	65
0031070	5 x 0,34	6.9	42.0	95
0031049	7 x 0,34	7.3	50.0	106
0031050	10 x 0,34	9.0	67.7	167
0031052	16 x 0,34	10.5	95.0	219