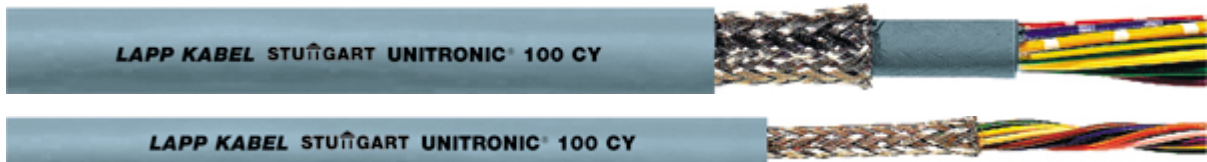


Product Description

Reliable data transmission thanks to effective screening; essentially resistant against acids, lyes and certain oils at room temperature



Application range

- Reliable data transmission in intrinsically safe circuits
- These control and signal cables are used in the milliampere range for computer systems, electronic control equipment, office machines, scales etc. and wherever the thinnest possible control cables are required.

Benefits

- Reliable data transmission thanks to effective screening
- essentially resistant against acids, lyes and certain oils at room temperature

Design

- Stranded bare copper conductor PVC core insulation
- 3 cores and more: (Green/yellow) 2 cores (black/blue)
- PVC inner sheath surrounded by tinned copper wire braid
- PVC outer sheath
- For the cross section of 0.14 mm², a polyester tape is used underneath the screen braiding instead of the inner sheath.

Product features

- Flame retardant according to IEC 60332-1-2
- Robust, flexible and resistant outer sheath
- Small external diameter despite high number of cores
- Cable similar to UNITRONIC® 100, but with copper braid
- Flame retardant according to IEC 60332-1-2



Technical Data

Core identification code

UNITRONIC® colour code see table T7

Mutual capacitance

Approx. 120 nF/km

C/S approx. 140 nF/km

Peak working voltage

(not for power applications) 500 V

Inductivity

Approx 0.7 mH/km

Based on

VDE 0814: (DIN 47414) or VDE 0812

Specific insulation resistance

> 10 GOhm x cm

Conductor stranding

Strand, fine wire except 0.34 mm², 7-wire

Minimum bending radius

For flexible applications: 20 x outer diameter

Fixed installed: 6 x outer diameter

Test voltage

Core/core: 1500 V

Core/screen: 1500 V

Protective conductor

Green/yellow

Range of temperature

Occasional flexing: -5°C up to +70°C

Static: -30°C up to +80°C

Article List

Part number	Number of cores and mm ² per conductor	Outer diameter in 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	19.0	49
0034011	10 x 0,14	5.7	28.5	66
0034012	14 x 0,14	6.3	32.0	80
0034013	16 x 0,14	6.6	43.0	90
0034016	27 x 0,14	8.1	65.0	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	32.8	82
0031033	10 x 0,25	8.2	54.0	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	24.0	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	89.6	167
0031052	16 x 0,34	10.5	120.0	219

Footnote:

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

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

Packaging size: Coil \leq 30 kg and \leq 250 m, otherwise drum

Please specify the desired packaging size (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.