

## UNITRONIC® LAN 1000 Cat.7

Data cable for Category 7/ class F - verified up to 1000 MHz

The LAN cable can be used in places with a high density of terminal devices, for example in administrative buildings. It transmits the digital and analogue signals.

### Info

CPR: Article number choice under [www.lappkabel.com/cpr](http://www.lappkabel.com/cpr)



Halogen-free



Interference signals

### Benefits

LAN cables for structured building cabling according to EN 50173 and ISO/IEC 11801

### Application range

Mainly used where the terminal density is very high, e.g. for wiring office, administration and development buildings in the tertiary area (floor wiring).

Cable length in tertiary area (horizontal area, floor) should not exceed a length of 100 m in accordance with the ISO/IEC 11801 and EN 50173 standards (90 m in cable duct + 10 m in working area)

### Product features

Transfer of digital and analogue data signals

Flame-retardant according to IEC 60332-1-2 and bundle flame test according to IEC 60332-3-24

IEEE 802.3: 10/100/1000Base-T, 10GBase-T

IEEE 802.5: ISDN; FDDI; ATM; cable sharing

IEEE 802.3at: suitable for PoE

### Norm references / Approvals

Class F in the ISO/IEC 11801 standard corresponds to CAT.7

Last Update (18.12.2024)

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

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

PN 0456 / 02\_03.16

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### Product Make-up

Solid conductor

S/FTP: copper braid as overall screening and pair screening with aluminium compound foil

Outer sheath: halogen-free, flame-retardant compound

Colour: yellow (RAL 1021)

### Technical Data

Classification ETIM 5:

ETIM 5.0 Class-ID: EC000830

ETIM 5.0 Class-Description: Data cable

Classification ETIM 6:

ETIM 6.0 Class-ID: EC000830

ETIM 6.0 Class-Description: Data cable

Minimum bending radius:

during installation: 8 x outer diameter

Fixed installation: 4 x outer diameter

Characteristic impedance:

100  $\Omega \pm 15\%$

Temperature range:

Operating temperature: -20 °C to +60 °C

During installation: 0 °C to +50 °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](http://www.lappkabel.de/en/cable-standardlengths)

Packaging size: Coil 100 m; Drum (500; 1000) m

Detailed data sheets are available upon request. Please specify the type/dimensions of the required cable.

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	Article designation	Number of pairs and AWG per conductor	Outer diameter mm	Copper index (kg/km)	Weight (kg/km)
Halogen-free versions					
2170614	1000 S/FTP Cat.7 LSZH	4 x 2 x AWG23/1	7.5	27	60
2170634	1000 S/FTP Cat.7 duplex	2 x (4 x 2 x AWG23/1)	7.7 / 15.4	54	120