

UNITRONIC® LAN 250 - Cat.6

Data cable for Category 6/ class E - verified up to 250 MHz

The LAN cable transmits the digital and analogue signals and is suitable for structured building wiring networks. The operating temperature of the cable is between -20 and 60 degrees.

Info

CPR: Article number choice under 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).

Product features

Transfer of digital and analogue data signals

ETHERLINE® LAN Cat.6 cables are tested up to 350 MHz

Flame retardant acc. to IEC 60332-1-2

2170194: flame retardant acc. to IEC 60332-1-2 and IEC 60332-3-24

IEEE 802.3: 10/100/1000Base-T

IEEE 802.5: ISDN; FDDI; ATM

Norm references / Approvals

Class E out of the standard ISO/IEC 11801 corresponds to CAT.6

LAN CAT.6 cables from Lapp Kabel for "Structured Cabling Systems" meet the requirements in accordance with EIA/TIA-568 and

Last Update (10.07.2025)

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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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TSB36, as well as ISO/IEC 11801 or EN 50173 (Class E - permanent link).

Product Make-up

Solid conductor

U/UTP: no overall or pair screening, 2 cores stranded to pair, 4 pairs stranded to bundle with central cross

F/UTP: foil screening as overall screening

Outer sheath either as PVC (color grey RAL1015) or LSZH (color orange RAL2003)

Technical Data

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

Mean characteristic Impedance:

100 Ω \pm 15%

Temperature range:

Fixed installation: -20°C to +60°C

Flexing: 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.

Please find our standard lengths at: 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)
PVC versions					
2170186	250 U/UTP Cat.6	4 x 2 x AWG24/1	6.5	18	46
Halogen-free versions					
2170193	250 U/UTP Cat.6 LSZH	4x2xAWG24/1	6.5	18	46
2170194	250 F/UTP Cat.6 LSZH	4x2xAWG24/1	7.4	19	54