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 (18.12.2024)

©2024 Lapp Group - Technical changes reserved

Product Management www.lappkabel.de

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

PN 0456 / 02_03.16

UNITRONIC® LAN 250 - Cat.6

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 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
Mean characteristic Impedance:	100 Ω ± 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.

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