
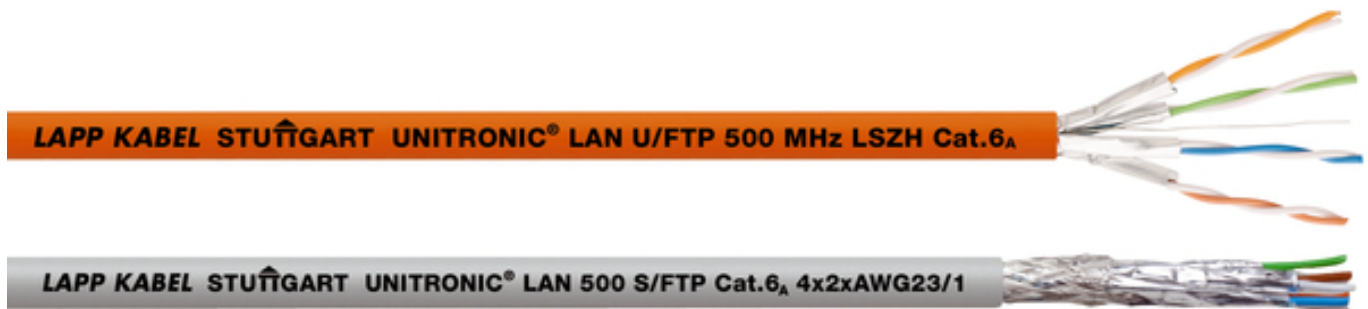


U.I. Lapp GmbH	PRODUCT INFORMATION	
	UNITRONIC® LAN 500 - Cat.6A	05.11.2015

Fixed installation

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



Single halogen-free cable



Interference signals

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 Make-up

Solid conductor

U/FTP: aluminium compound foil as pair screening

F/FTP: aluminium compound foil as overall screening and pair screening

S/FTP: copper braid as overall screening and pair screening with aluminium compound foil
outer sheath either as PVC (color grey RAL1015) or LSZH (color orange RAL2003)

Norm references / Approvals

Class EA out of the standard ISO/IEC 11801 corresponds to Cat.6A

LAN Cat.6A cables from Lapp Kabel for "Structured Cabling Systems" meet the requirements in accordance with EIA/TIA-568 and TSB36, as well as ISO/IEC 11801 or EN 50173 (Class EA - permanent link).

Product features

Transfer of digital and analogue data signals

IEEE 802.3: 10/100/1000Base-T, 10GBase-T IEEE 802.5: ISDN; FDDI; ATM

Remark

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


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

CAT.6a is available as a draft

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

Photographs are not to scale and do not represent detailed images of the respective products.

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Technical Data

Minimum bending radius:

during installation: 8 x outer diameter
Fixed installation: 4 x outer diameter

Temperature range:

Operating temperature: -20 °C to +60 °C
During installation: 0 °C to +50 °C

Characteristic impedance:

100 Ohm +- 15%

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Part number	Article designation	Number of pairs and AWG per conductor	Max. outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
PVC version					
2170143	500 S/FTP Cat.6A	4 x 2 x AWG23/1	7,7	27.0	58
Halogen-free versions					
2170195	500 U/FTP Cat.6A LSZH	4 x 2 x AWG23/1	7,4	21.0	52
2170196	500 F/FTP Cat.6A LSZH	4 x 2 x AWG23/1	7,6	22.0	56