ÖLFLEX®

UNITRONIC®

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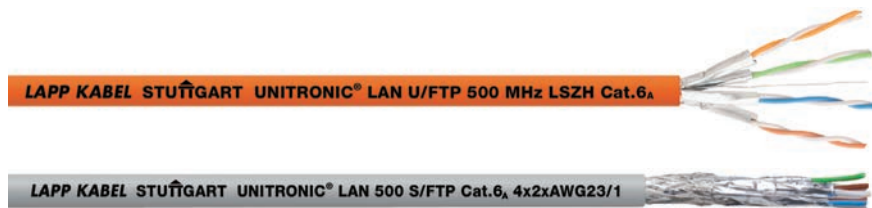
SKINTOP®

SILVYN®

FLEXIMARK®

ACCESSORIES

APPENDIX

UNITRONIC® LAN 500 - Cat.6$_A$
Fixed installation

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

Norm references / Approvals
• Class E$_A$ out of the standard ISO/IEC 11801 corresponds to Cat.6$_A$
• LAN Cat.6$_A$ 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 E$_A$ - permanent link).

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 RAL 1015) or LSZH (color orange RAL 2003)

Technical data

ETIM 5.0 Class-ID: EC000830
ETIM 5.0 Class-Description: Data cable

Minimum bending radius
during installation: 8 x outer diameter
Fixed installation: 4 x outer diameter

Characteristic impedance
100 Ohm +- 15%

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

Article 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.6$_A$	4 x 2 x AWG23/1	7.7	27	58
Halogen-free versions					
2170195	500 U/FTP Cat.6$_A$ LSZH	4 x 2 x AWG23/1	7.4	21	52
2170196	500 F/FTP Cat.6$_A$ LSZH	4 x 2 x AWG23/1	7.6	22	56

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.

Accessories