



New

UNITRONIC® LAN 500 - Cat.6_A

LAPP KABEL STUTTGART UNITRONIC® LAN 500 S/FTP Cat.6_A 4x2xAWG23/1

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
- The characteristic impedance of this cable is 100 Ohm \pm 15 %
- IEEE 802.3: 10/100/1000Base-T, 10GBase-T
IEEE 802.5: ISDN; FDDI; ATM
- Outer sheath: PVC - colour light ivory similar to RAL 1015
- Outer sheath: LSZH - colour light orange similar to RAL 2003

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

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

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 \pm 15%

Article number	Article designation	Number of pairs and AWG per conductor	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	27.0	58
Halogen-free versions					
2170195	500 U/FTP Cat.6 _A LSZH	4 x 2 x AWG23/1	7.4	21.0	52
2170196	500 F/FTP Cat.6 _A LSZH	4 x 2 x AWG23/1	7.6	22.0	56

Copper price basis: EUR 150/100kg. 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

- Connector RJ45 CAT.6 Hirose TM21 refer to page 436
- DATA STRIP stripping tool refer to page 911