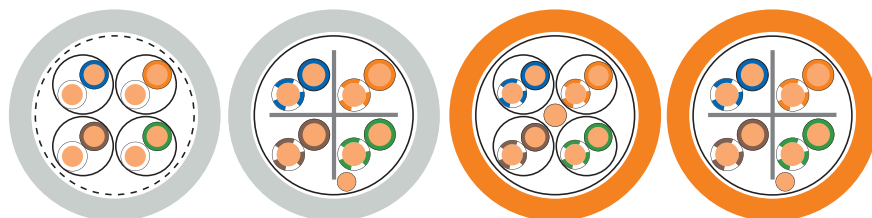




## ETHERLINE® LAN 500 Cat.6<sub>A</sub>

Ethernet cable for Category 6<sub>A</sub> / class E<sub>A</sub> -verified up to 500 MHz



### Info

- CPR: Article number choice under [www.lappkabel.com/cpr](http://www.lappkabel.com/cpr)

### Benefits

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

### Application range

- Areas where the end device density is very high
- For office wiring, administration and development buildings in the tertiary sector (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; cable sharing
- Backward compatible
- Flame retardant acc. to IEC 60332-1-2

### Norm references / Approvals

- LAN Cat.6<sub>A</sub> 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 Make-up

- Solid conductor 4x2xAWG23/1
- S/FTP: copper braid as overall screening and pair screening with aluminium compound foil
- F/UTP: Foil shielding as overall shielding, 2 cores stranded to pair, 4 pairs stranded to bundle with central cross
- F/FTP: aluminium compound foil as overall screening and pair screening
- Outer sheath either as PVC (grey RAL 7035) or LSZH (orange RAL 2003)

### Technical data

- Classification ETIM 5/6**  
 ETIM 5.0/6.0 Class-ID: EC000830  
 ETIM 5.0/6.0 Class-Description: Data cable
- Minimum bending radius**  
 during installation: 8 x outer diameter  
 Fixed installation: 4 x outer diameter
- Characteristic impedance**  
 100 Ω ± 15%
- Temperature range**  
 Fixed installation: -20 °C to +60 °C  
 During installation: 0 °C to +50 °C

Article number	Article designation	Number of pairs and AWG per conductor	Core diameter in mm	Outer diameter [mm]	Colour	Copper index (kg/km)	Weight (kg/km)
<b>PVC</b>							
2170960	500 S/FTP Cat.6 <sub>A</sub>	4 x 2 x AWG23/1	1.28	7.3	grey	24	52
2170961	500 F/UTP Cat.6 <sub>A</sub>	4 x 2 x AWG23/1	1.09	7.4	grey	24	52
<b>LSZH</b>							
2170962	500 F/FTP Cat.6 <sub>A</sub> LSZH	4 x 2 x AWG23/1	1.28	7.3	orange	22	54
2170963	500 F/UTP Cat.6 <sub>A</sub> LSZH	4 x 2 x AWG23/1	1.09	7.4	orange	24	56

Copper price basis: EUR 100/100 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](http://www.lappkabel.de/en/cable-standardlengths)

Packaging size: Drum

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

### Accessories

- EPIC® DATA AX RJ45 Cat.6<sub>A</sub> refer to page 459
- EPIC® DATA 90 RJ45 Cat.6<sub>A</sub> refer to page 459