



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



## Product description

### 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)

### Benefits

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

### 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)

## 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
- 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

## 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 $\pm 15\%$