



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).

### Benefits

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

### Product Make-up

- U/UTP: no overall or pair shielding
- F/UTP: foil screening as overall screening
- Solid conductor
- outer sheath either as PVC (color grey RAL1015) or LSZH (color orange RAL2003)

## Norm references / Approvals

- Class E out of the standard ISO/IEC 11801 corresponds to CAT.6
- LAN CAT.6 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 - permanent link).

## Product features

- Transfer of digital and analogue data signals
- LAN Cat.6 cables are specified up to 350 MHz
- IEEE 802.3: 10/100/1000Base-T  
IEEE 802.5: ISDN; FDDI; ATM

## 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%