



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

- Complies with the EN 50173 and ISO/IEC 11801 standards



## 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

- Solid bare copper wire AWG22
- Cellular polyolefin core insulation, max. core diameter 1.6 mm
- Pair screen made of aluminium-lined plastic foil, overall screening made of tinned-copper braiding
- Outer sheath: halogen-free, flame-retardant compound
- Colour: yellow (RAL 7032)

### Norm references / Approvals

- LAN Cat.7A 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 FA - permanent link).
- Exceeds the requirements of EN 50173 and ISO/IEC 11801 standards

## Product features

- Transfer of digital and analogue data signals
- Cable is specified for up to 1.5 GHz
- 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; cable sharing
- IEEE 802.3at: suitable for PoE, VoIP

## 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  $\pm 15\%$