PerTronic
Intelligent Cable Solution

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

HALOGEN FREE ✔

INTERFERENCE SIGNALS ✔

RoHS ✔

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

- 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
- The cable is specified for up to 1.2 GHz
- IEEE 802.3: 10/100/1000Base-T, 10GBase-T
  IEEE 802.5: ISDN; FDDI; ATM; cable sharing
  IEEE 802.3at: suitable for PoE

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%