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

RoHS ✓

Halogen-free

Interference signals

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)

Product Make-up
U/UTP: no overall or pair shielding
F/UTP: foil screening as overall screening
SF/UTP: copper braid and foil screening as overall screening
Solid conductor
outer sheath either as PVC or LSZH (color grey RAL 7035)

Norm references / Approvals
LAN CAT.5e 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 D).

Product features
Transfer of digital and analogue data signals
IEEE 802.3: 10/100/1000Base-T
IEEE 802.5: ISDN; FDDI; ATM

Remark
Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.Copper price basis: EUR 150/100 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-standardlengthsPackaging size: Coil 100 m; Drum (500; 1000) mDetailed data sheets are available upon request. Please specify the type/dimensions of the required cable.Photographs are not to scale and do not represent detailed images of the respective products.

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%

Part number	Article designation	Number of pairs and AWG per conductor	Max. outer diameter (mm)	Copper index (kg/km)
PVC version				
2170125	200 U/UTP Cat.5e	4 x 2 x AWG24/1	5,6	17.0
2170126	200 F/UTP Cat.5e	4 x 2 x AWG24/1	6,4	18.0
2170128	200 SF/UTP Cat.5e	4 x 2 x AWG24/1	6,7	32.0
Halogen-free versions				
2170173	200 U/UTP Cat.5e LSZH	4 x 2 x AWG24/1	5,6	17.0
2170138	200 SF/UTP Cat.5e LSZH	4 x 2 x AWG24/1	6,7	32.0

Product Management

Document: LAPP_PRO289EN.pdf

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