

U.I. Lapp GmbH	PRODUCT INFORMATION	
	UNITRONIC® LAN 200 - Cat.5e	12.09.2012

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



Info

EIA = Association des Industries Electronique
TIA = Telecommunication Industries Association
TSB = Technical Systems Bulletin

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)

Design

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

Approvals (Norm references)

Class D in ISO/IEC 11801 standard corresponds to CAT.5
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
The characteristic impedance of this cable is 100 Ohm \pm 15 %
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 150/100kg. Refer to Appendix T17 for the definition and calculation of copper-related surcharges.

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: Coil 100 m; Drum (500; 1000) m

Detailed 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 \pm 15%

Product Management	Document: LAPP_PRO289EN.pdf	1 / 2
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Part number	Article designation	Number of pairs and AWG per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
PVC version					
2170125	200 U/UTP Cat.5e	4 x 2 x AWG24/1	5,6	17.0	33
2170126	200 F/UTP Cat.5e	4 x 2 x AWG24/1	6,4	18.0	39
2170128	200 SF/UTP Cat.5e	4 x 2 x AWG24/1	6,7	32.0	49
Halogen-free versions					
2170185	200 U/UTP Cat.5e LSZH	4 x 2 x AWG24/1	5,6	17.0	33
2170138	200 SF/UTP Cat.5e LSZH	4 x 2 x AWG24/1	6,7	32.0	49