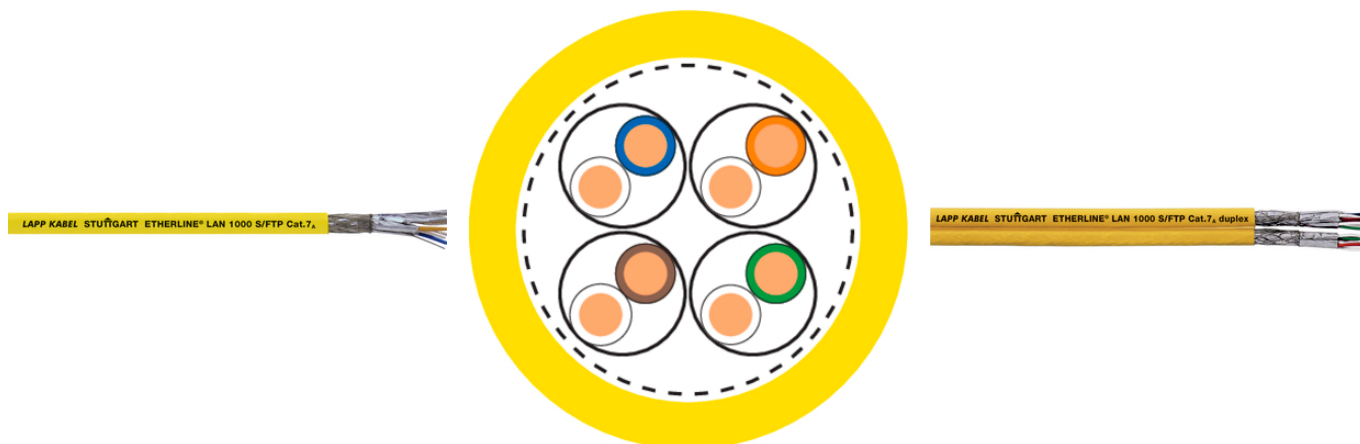# ETHERLINE® LAN 1000 Cat. 7A

Ethernet cable for Category 7_A/ class F_A - verified up to 1000 MHz

Data cable for Category 7A/ class FA - verified up to 1000 MHz

Info
CPR: Article number choice under www.lappkabel.com/cpr

Flame-retardant

Halogen-free

Interference signals

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

Application range
Areas where the end device density is very high
For office wiring, administration and development buildings in the tertiary sector (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 features
Transfer of digital and analogue data signals
IEEE 802.3: 10/100/1000Base-T, 10GBase-T IEEE 802.5: ISDN; FDDI; ATM; cable sharing IEEE 802.3at: suitable for PoE, VoIP

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).
2170980/ 2170981
Flame-retardant according to IEC 60332-1-2
LSZH outer sheath
Flame-retardant according to IEC 60332-1-2, UL FT-2 flame test
No flame-propagation according to IEC 60332-3-25 (Flame spread on vertical cable or wire bundle)

ETHERLINE® LAN 1000 Cat. 7A

Product Make-up
Solid conductor 4x2xAWG23/1,
duplex 2x(4x2xAWG23/1)
Core insulation: PE
S/FTP: copper braid as overall screening and pair screening with aluminium compound foil
Outer sheath: halogen-free, flame-retardant compound
Colour: yellow (RAL 1021)

Technical Data

Classification:	ETIM 5.0 Class-ID: EC000830
	ETIM 5.0 Class-Description: Data cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000830
	ETIM 6.0 Class-Description: Data cable
Minimum bending radius:	Fixed installation: 4 x outer diameter
	during installation: 8 x outer diameter
Characteristic impedance:	100 Ω ± 15%
Temperature range:	During installation: 0 °C to +50 °C
	Fixed installation: -20°C to +60°C

Note
Packaging size: Drum
Photographs and graphics are not to scale and do not represent detailed images of the respective products.
Prices are net prices without VAT and surcharges. Sale to business customers only.

Article number	Article designation	Number of pairs and AWG per conductor	Core diameter in mm	Outer diameter mm	Colour	Copper index (kg/km)	Weight (kg/km)
ETHERLINE® LAN 1000 Cat.7A 4x2xAWG23							
2170980	ETHERLINE LAN 1000 Cat.7A 4x2x23AWG	4 x 2 x AWG23/1	1.3	7.2	yellow	30	50
2170981	ETHERLINE LAN 1000 Cat.7A 2x(4x2x23AWG)	2x(4x2x23AWG)	1.3	14.8	yellow	60	101
ETHERLINE® LAN 1000 Cat.7A 4x2xAWG23 LSZH							
2170971	ETHERLINE® LAN 1000 Cat.7A 4x2xAWG23 LSZH	4 x 2 x AWG23/1	1.3	7.5	yellow	30	56
2170972	ETHERLINE® LAN 1000 Cat.7A 2x(4x2xAWG23) LSZH duplex	2x (4x2xAWG23/1)	1.3	15.2	yellow	60	113

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