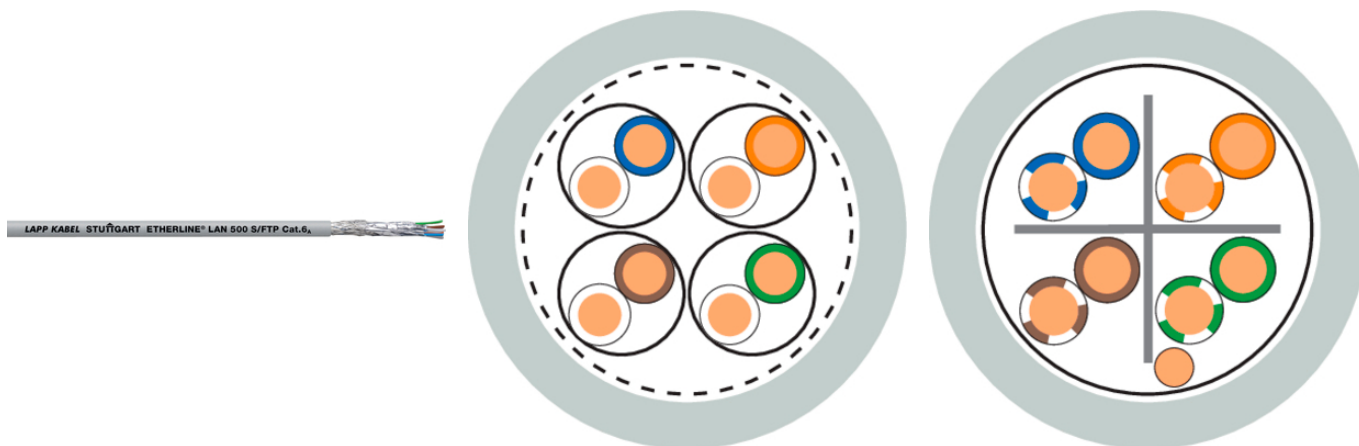# ETHERLINE® LAN 500 Cat.6A

Ethernet cable for Category 6_A/ class E_A -verified up to 500 MHz

Ethernet cable for Category 6_A/ class E_A -verified up to 500 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
Flame retardant acc. to IEC 60332-1-2

Norm references / Approvals
LAN Cat.6A 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 EA - permanent link).

Product Make-up
Solid conductor 4x2xAWG23/1

ETHERLINE® LAN 500 Cat.6A

S/FTP: copper braid as overall screening and pair screening with aluminium compound foil
F/UTP: Foil shielding as overall shielding, 2 cores stranded to pair, 4 pairs stranded to bundle with central cross
F/FTP: aluminium compound foil as overall screening and pair screening
outer sheath either as PVC (grey RAL 7035) or LSZH (orange RAL 2003)

Technical Data

Classification ETIM 5:	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)
PVC							
2170960	ETHERLINE® LAN Cat.6A S/FTP 4x2xAWG23	4 x 2 x AWG23/1	1.28	7.3	grey	24	52
2170961	ETHERLINE® LAN Cat.6A F/UTP 4x2xAWG23	4 x 2 x AWG23/1	1.09	7.4	grey	24	52
LSZH							
2170962	ETHERLINE® LAN Cat.6A F/FTP 4x2xAWG23 LSZH	4 x 2 x AWG23/1	1.28	7.3	orange	22	54
2170963	ETHERLINE® LAN Cat.6A F/UTP 4x2xAWG23 LSZH	4 x 2 x AWG23/1	1.09	7.4	orange	24	56

ETHERLINE® LAN 500 Cat.6A