

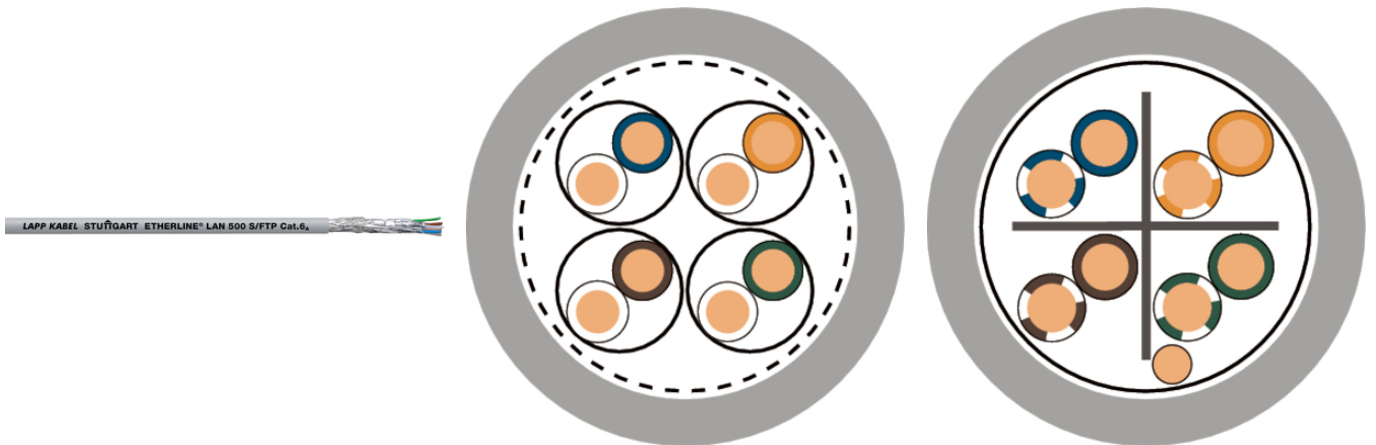
## ETHERLINE® LAN 500 Cat.6A

Ethernet cable for Category 6<sub>A</sub>/ class E<sub>A</sub> -verified up to 500 MHz

Ethernet cable for Category 6<sub>A</sub>/ class E<sub>A</sub> -verified up to 500 MHz

### Info

CPR: Article number choice under [www.lappkabel.com/cpr](http://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

Last Update (17.02.2020)

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02\_03.16

## 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:	during installation: 8 x outer diameter Fixed installation: 4 x outer diameter
Characteristic impedance:	100 $\Omega$ $\pm$ 15%
Temperature range:	During installation: 0 °C to +50 °C Fixed installation: -20 °C to +60 °C

### Note

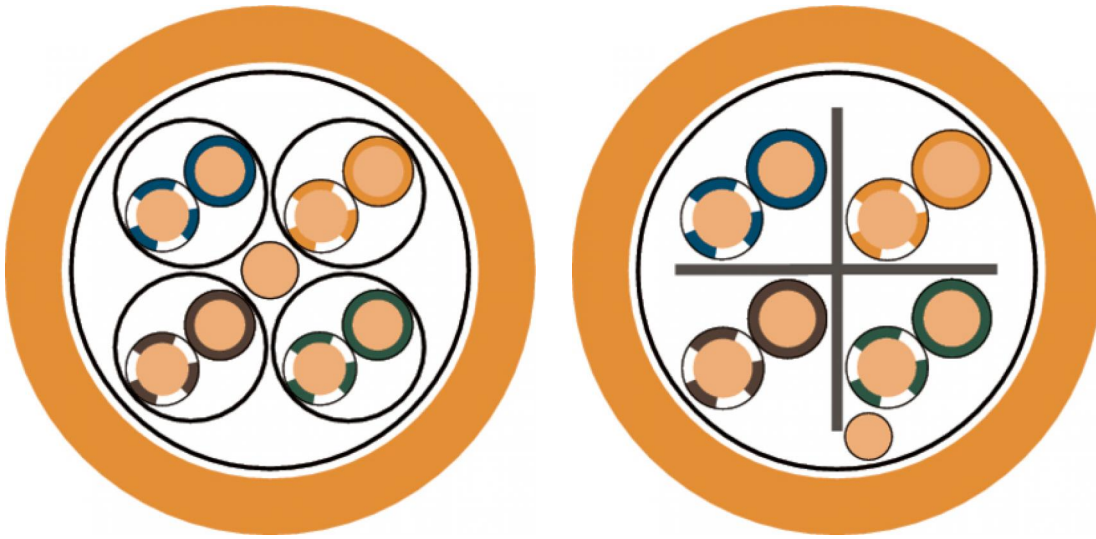
Packaging size: Drum

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	J_1NVG
PVC						
2170960	ETHERLINE® LAN Cat.6A S/FTP 4x2xAWG23	4 x 2 x AWG23/1	1.28	7.3	grey	24
2170961	ETHERLINE® LAN Cat.6A F/UTP 4x2xAWG23	4 x 2 x AWG23/1	1.09	7.4	grey	24
LSZH						
2170962	ETHERLINE® LAN Cat.6A F/FTP 4x2xAWG23 LSZH	4 x 2 x AWG23/1	1.28	7.3	orange	22
2170963	ETHERLINE® LAN Cat.6A F/UTP 4x2xAWG23 LSZH	4 x 2 x AWG23/1	1.09	7.4	orange	24

**ETHERLINE® LAN 500 Cat.6A**



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