

## ETHERLINE® Cat.6A

Ethernet cable Category 6A, Class E<sub>A</sub> for fixed installation - verified up to 500 MHz

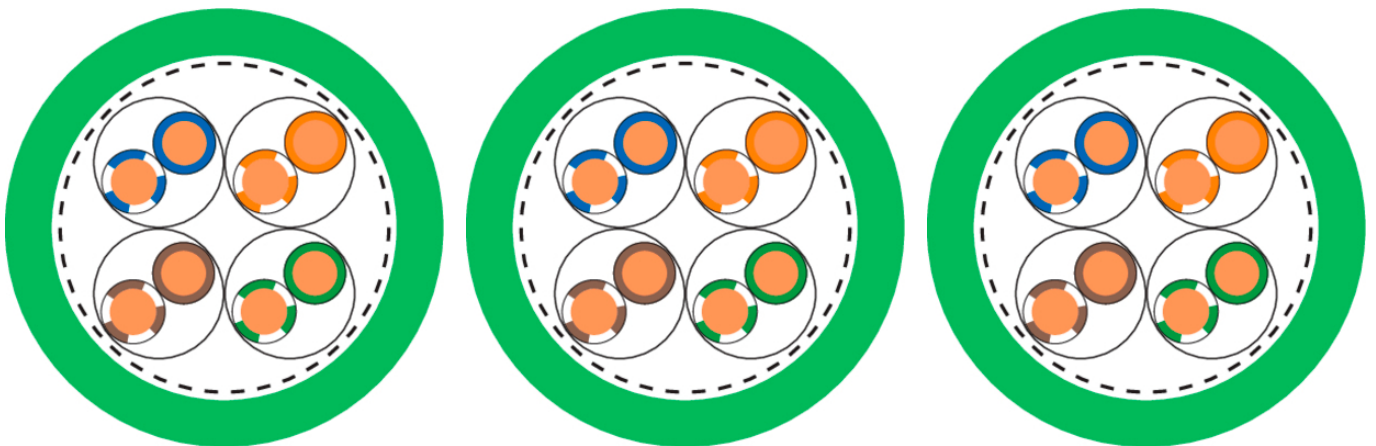
Industrial Ethernet cable Cat.6A for fixed installation  
halogenfree, PVC or PUR outer sheath, design 4x2xAWG22/1

### Info

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

For PROFINET applications with 4 pairs

CAT.6<sub>A</sub> qualified for 10Gbit/s



Supplementary automation components from Lapp



Mechanical and plant engineering



Mechanical resistance



Interference signals



UV-resistant

### Benefits

Can be used in dry or damp rooms

Screened against interference

Can be used for Industrial Ethernet in harsh industrial environments

4pair: 100Mbit/s up to 10 Gbit/s for Industrial Ethernet

### Application range

for industrial secondary and tertiary cabling according to EN 50173-3  
ISO/IEC 24702

Wiring of machines, tools, devices, appliances and control cabinets

Last Update (29.04.2024)

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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.

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## ETHERLINE® Cat.6A

suitable for EtherCAT and EtherNet/IP applications

### Product features

PUR outer sheath is highly resistant to mineral oils and abrasion

Robust, halogen-free outer sheath

The oil-resistant PVC sheath enables usage in industrial environments

High-quality, double screening ensures high transmission reliability in areas with electromagnetic interference

### Product Make-up

Solid bare copper wire AWG22

Core insulation made of polyethylene (PE)

S/FTP: copper braid as overall screening and pair screening with aluminium compound foil

Colour: green (based on RAL 6018)

### Technical Data

Classification:	ETIM 5.0/6.0 Class-ID: EC000830 ETIM 5.0/6.0 Class-Description: Data cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000830 ETIM 6.0 Class-Description: Data cable
Peak operating voltage:	(not for power applications) 125 V
Minimum bending radius:	Fixed installation: 10 x outer diameter
Characteristic impedance:	100 $\Omega \pm 5 \text{ Ohm}$ (> 1 MHz)
Temperature range:	Cable with PUR sheath Fixed installation: -40 °C to +80 °C Cable, halogen-free outer sheath Fixed installation: -25 °C to +80 °C Cable with PVC sheath Fixed installation: -30 °C to +80 °C

### Note

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-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

Packaging size: coil  $\leq 30 \text{ kg}$  or  $\leq 250 \text{ m}$ , otherwise drum

Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).

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Prices are net prices without VAT and surcharges. Sale to business customers only.

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Article number	Article designation	Number of pairs and AWG per conductor	Core diameter in mm	Outer diameter mm	Copper index (kg/km)	Weight (kg/km)
Halogen-free jacket						
2170466	ETHERLINE® Cat.6 <sub>A</sub> H	4 x 2 x AWG22/1	1.5	8.7	53	99
PUR outer sheath, halogen-free						
2170465	ETHERLINE® CAT.6 <sub>A</sub> P	4 x 2 x AWG22/1	1.5	8.7	53	91
PVC outer sheath						
2170464	ETHERLINE® Cat.6 <sub>A</sub> Y	4 x 2 x AWG22/1	1.5	8.7	53	98

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