

## ETHERLINE® Cat.6A FLEX FC

Flexible use

Industrial Ethernet cable Cat.6A for flexible use, 4 pairs, PVC or FRNC outer sheath with UL-approval, 4x2xAWG23/7

### Info

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



Supplementary automation components from Lapp



Mechanical and plant engineering



Suitable for outdoor use



Flame-retardant



Assembly time



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

At 100 Mbit/s: max 90 m cable length

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

suitable for EtherCAT and EtherNet/IP applications

For flexible applications

(7-wire stranded conductor)

### Product features

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

Meets the requirements according to CAT.6A, ISO/IEC 11801 and EN 50173

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

The oil-resistant PVC sheath enables usage in industrial environments

Last Update (27.06.2022)

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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® Cat.6A FLEX FC

### Norm references / Approvals

AWM certification for USA and Canada

### Product Make-up

7-wire tinned stranded copper conductor

Core insulation: PE

Inner sheath: halogen-free compound

SF/UTP: braid of tinned copper wire and plastic laminated aluminum foil as overall screening

PVC or FRNC jacket material

Colour: green (based on RAL 6018)

### Technical Data

Classification ETIM 5:

ETIM 5.0 Class-ID: EC000830

ETIM 5.0 Class-Description: Data cable

Peak operating voltage:

(not for power applications) 125 V

Minimum bending radius:

Flexing: 8 x outer diameter

Fixed installation: 4 x outer diameter

Characteristic impedance:

nom. 100  $\Omega$  acc. to IEC 61156-6

Temperature range:

cable halogenfree compound

Fixed installation: -25 °C to +80 °C

cable with PVC jacket

Fixed installation: -40 °C to +80 °C

### Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

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Detailed data sheets are available upon request. Please specify the type/dimensions of the required cable.

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.

**ETHERLINE® Cat.6A FLEX FC**

Article number	Copper index (kg/km)
2170588	29
2170589	29

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