

## ETHERLINE® Cat.6A FD FC

Flexible use

Highly flexible 26 AWG Ethernet cable with Fast-Connect connection for permanently moving use in drag chains and short transmission distances.

### 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



Power chain



Interference signals



UV-resistant

### Benefits

The Fast Connect construction including inner sheath and separating cross significantly reduces the cable's assembly time, as the time-consuming removal of the pair shielding is no longer necessary. In addition, it offers undiminished shielding of the wire pairs

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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 FD FC

from each other.

Additional protection against electromagnetic interference through double overall shielding made of aluminium-laminated foil and copper shielding braid with a high degree of coverage (SF/UTP).

UL certification according to technical data enables the use of the product in the North American region.

Available with robust PVC outer sheath or abrasion-resistant PUR outer sheath.

For transmission of analogue and digital signals in the frequency range up to 500 MHz.

### Application range

Cable design allows highly flexible, continuously moving use in moving machine parts and in the drag chain.

Successfully tested for over 1 million bending cycles in the drag chain.

Usable in dry, damp and wet environments.

Usable in a variety of ways depending on the sheath material.

### 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

### 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

Outer sheath material PUR or PVC (see article description)

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: 15 x outer diameter Fixed installation: 4 x outer diameter
Characteristic impedance:	nom. 100 Ω acc. to IEC 61156-6
Temperature range:	Fixed installation PVC: -40 °C bis +80 °C PUR: -40 °C bis +80 °C Flexing: PVC: -25 °C up to +70 °C PUR: -30 °C up to +50 °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.

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## **ETHERLINE® Cat.6A FD FC**

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)
2170592	ETHERLINE® Cat.6A P FD FC	4x2x26/19AWG	1.04	8.8	44	95
2170593	ETHERLINE® Cat.6A Y FD FC	4x2x26/19AWG	1.04	8.8	44	105.1

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