

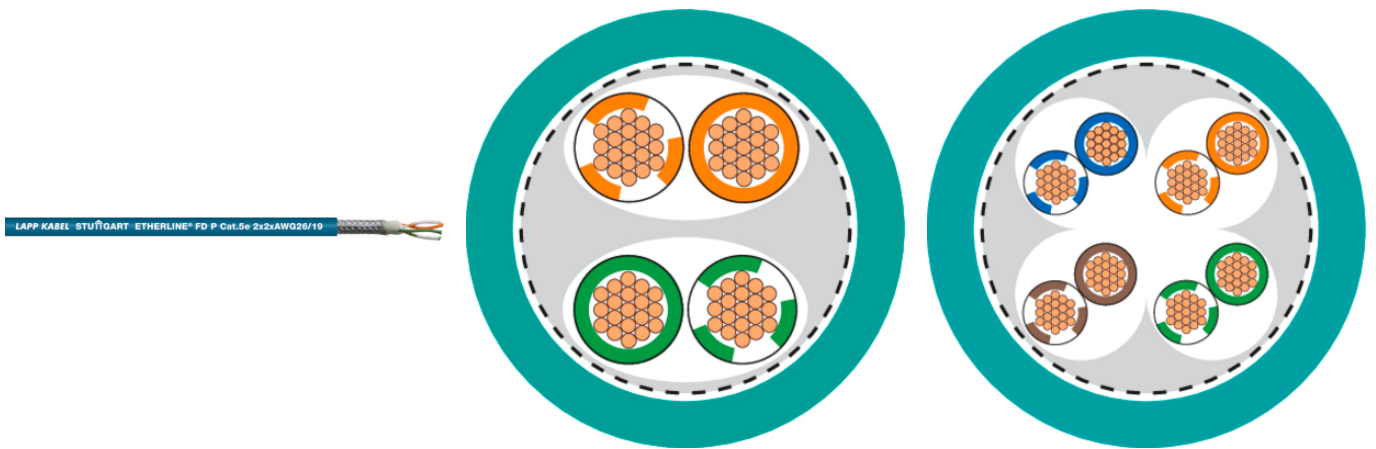
## ETHERLINE® Cat.5e FD

Ethernet cable Category 5e, Class D for use in drag chain applications - verified up to 100 MHz

Industrial Ethernet cable Cat.5e for high flexible use  
 PUR (AWM-approval) outer sheath material, design 2 or 4 x2xAWG26/19

### Info

Industrial Ethernet cable  
 For highly flexible applications  
 Only for patch cable applications  
 (max. 60 m)



Supplementary automation components from Lapp



Suitable for outdoor use



Halogen-free



Mechanical resistance



Power chain



Robust



Interference signals

### Benefits

Seamless communication from the sensor/actuator level to the Internet  
 Screened against interference  
 Can be used in dry or damp rooms

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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.5e FD

Industrial use

cables with PUR jacket: 1000 V UL- rating for installation next to power cables

### Application range

2pair: 10/100 Mbit/s for Industrial Ethernet

4pair: 10/100/1000 Mbit/s for Industrial Ethernet

Only for patch cable applications

(max. 60 m)

suitable for EtherCAT and EtherNet/IP applications

Power chain applications

### Product features

Premium screening against electromagnetic interference

Halogen-free outer sheath

cables with PUR jacket: 1000 V UL- rating for installation next to power cables

### Norm references / Approvals

UL AWM Style 21576

Flame-retardant according IEC 60332-1-2

Halogen-free according to VDE 0472-815

### Product Make-up

Bare stranded copper wire, 26AWG (19 x 0.10), (0.14 mm<sup>2</sup>)

Inner sheath: thermoplastic elastomer, halogen-free

2 or 4-pair version

Screening: wrapped with braided tinned-copper wires

PUR outer sheath

Colour: water blue (similar to RAL 5021)

### 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

Peak operating voltage:

(not for power applications) 125 V

Minimum bending radius:

Fixed installation: 8 x outer diameter

Flexing: 15 x outer diameter

Test voltage:

Core/core: 1000 V

Core/screen: 500 V

Characteristic impedance:

nom. 100 Ω acc. to IEC 61156-5

Temperature range:

Fixed installation: VDE -30°C to +80°C; UL/CSA -30°C to +80°C

Flexing: VDE -5°C to +50°C; UL/CSA -5°C to +80°C

### Note

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

Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

Packaging size: Coil 100 m; Drum (500; 1000) m

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## **ETHERLINE® Cat.5e FD**

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.5e FD**

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)
2-pair version						
2170289	ETHERLINE® FD P CAT.5e	2 x 2 x AWG26/19	1	5.9	20	48
4-pair version						
2170489	ETHERLINE® FD P CAT.5e	4 x 2 x AWG26/19	1	6.3	27	56

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