

## ETHERLINE® Cat.5e FD

Highly flexible application

Industrial Ethernet cable Cat.5e for highly flexible use in power chains  
2- or 4-pair PUR outer sheath with AWM approval  
design 4x2xAWG26/19

### Info

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



Interference signals



Robust



Power chain



Mechanical resistance



Halogen-free



Automation & fältinstallation



Suitable for outdoor use

Last Update (17.06.2017)

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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

### Benefits

Seamless communication from the sensor/actuator level to the internet possible  
Shielded against interference signals  
Can be used in dry or damp rooms  
Industrial use  
PUR cables: 1000 V UL- rating for installation next to power cables

### Application range

2pair: 10/100 Mbit/s for Industrial Ethernet  
4-pair: 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  
PUR outer sheath is highly resistant to mineral oils and abrasion  
Halogen-free outer sheath  
PUR cables: 1000 V UL- rating for installation next to power cables

### Norm references / Approvals

PUR versions: UL AWM Style 21576  
Flame-retardant according IEC 60332-1-2  
Halogen-free according to IEC 60754-1  
(amount of halogen acidic gas)  
Corrosiveness of combustion gases according to IEC 60754-2 (degree of acidity)

### Product Make-up

Bare stranded copper wire, 0.14 mm<sup>2</sup> (19x0.10), (26AWG)  
Inner sheath: thermoplastic elastomer, halogen-free  
2- or 4-pair version  
Screening braid made of tin-plated copper wires  
PUR outer sheath  
Colour: water blue (RAL 5021)

### Technical Data

Classification:	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:	Fixed installation: 8 x outer diameter Flexing: 15 x outer diameter
Test voltage:	Core/core: 1000 V Core/Shield: 500 V
Characteristic impedance:	100 Ω ± 15%
Temperature range:	Cable with PUR sheath 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

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### Note

Unless otherwise specified, the product values shown are nominal values. You can receive further values, such as tolerances, upon request if they are available and have been released for publication.

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

Packaging: Ring 100 m; drum (500; 1000) m

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

Photographs 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	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	6.2	20	48
4-pair version					
2170489	ETHERLINE® FD P CAT.5e	4 x 2 x AWG26/19	6.6	27	54

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