

## ETHERLINE® Cat.5 FD BK

Ethernet cable Category 5e, Class D for installation in events - verified up to 100 MHz

Industrial ethernet cable Cat.5 for high flexible use in drag chain applications

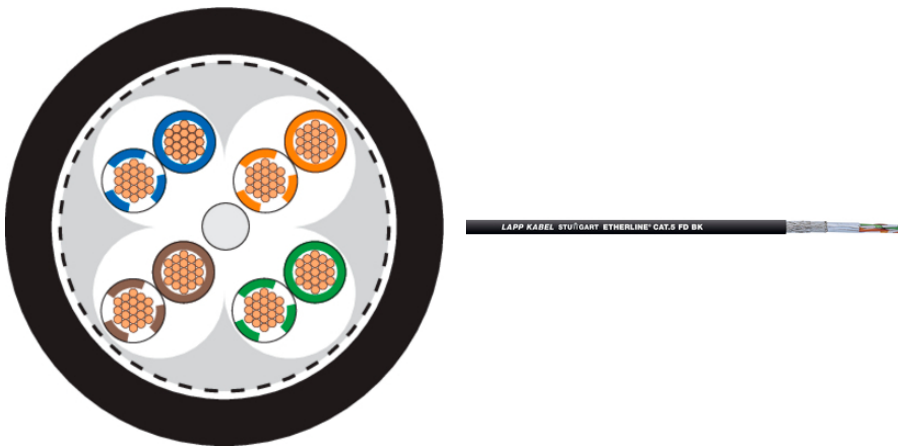
### Info

For highly flexible industrial applications

Cat.5e-Performance

Only for patch cable applications

(max. 60 m)



Supplementary automation components from Lapp



Mechanical and plant engineering



Suitable for outdoor use



Halogen-free



Mechanical resistance



Power chain



Robust



Interference signals

Last Update (11.05.2024)

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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.

PN 0456 / 02\_03.16

## ETHERLINE® Cat.5 FD BK



UV-resistant

### Benefits

Additional application options thanks to suitability for outdoor use, UV-resistant  
Good flexibility - easy installation with tight space requirements  
Screened against interference  
Easy to coil for mobile use

### Application range

IEEE 802.3: 10/100/1000Base-T

IEEE 802.5: ISDN; FDDI; ATM

Suitable for the transfer of audio signals (ETHERSOUND), light control signals (DMX over Ethernet), or for computer networking

Only for patch cable applications

(max. 60 m)

suitable for EtherCAT and EtherNet/IP applications

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

### Product features

specifically developed for road environments

Suitable for outdoor use, UV-resistant

PUR outer sheath is highly resistant to mineral oils and abrasion

Premium screening against electromagnetic interference

### Norm references / Approvals

UL AWM Style 21576

Flame retardant acc. to 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>)

Insulation: foam skin, max. core diameter 1.0 mm

Twisting: 2 twisted-pair cores, stranding from 4 pairs

Inner sheath: thermoplastic elastomer, halogen-free

Screening: wrapped with braided tinned-copper wires

Outer sheath: halogen-free PUR, black

### 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: 10 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 61156-6

Temperature range:

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

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## ETHERLINE® Cat.5 FD BK

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.

Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

Standard lengths: (100; 500; 1000) m

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

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

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.5 FD BK**

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)
CE217489	ETHERLINE® FD P BK Cat.5	4x2xAWG26/19	1	6.3	27	54

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