

ETHERLINE® Cat.5 FD BK

The Ethernet cable for event equipment

Industrial Ethernet cable Cat.5e for highly flexible use

Info

For highly flexible industrial applications

Cat.5e performance

Only for patch cable applications (max. 60 m)



UV-resistant



Interference signals



Robust



Power chain



Mechanical resistance



Halogen-free



Industrial machinery and plant engineering



Automation & fältinstallation

Last Update (17.06.2017)

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Product Management 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



Suitable for outdoor use

Benefits

Additional application options thanks to suitability for outdoor use, UV-resistant
Good flexibility - easy installation with tight space requirements
Shielded against interference signals
Can be coiled for mobile use
Usable on the roads

Application range

IEEE 802.3: 10/100/1000Base-T

IEEE 802.5: ISDN; FDDI; ATM

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

Only for patch cable applications (max. 60 m)

suitable for EtherCAT and EtherNet/IP applications

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

Product features

CAT.5 performance

specifically developed for road use

Suitable for outdoor installation, 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 according to 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 mm² (19x0.10), (26AWG)

Insulating sleeve: Foam skin, max. core diameter 1.0 mm

Twisting: 2 cores in pairs, 4 pairs twisted

Inner sheath: thermoplastic elastomer, halogen-free

Screening braid made of tin-plated copper wires

Sheath: Polyurethane halogen-free, black

ETHERLINE® Cat.5 FD BK**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:	Flexing: 15 x outer diameter Fixed installation: 8 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

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.

Copper price basis: EUR 150/100 kg; see catalogue appendix T17 for the application and definition of "Metal price basis" and "Metal index"

Standard lengths: (100; 500; 1000) m

Packaging: Ring ≤ 30 kg or ≤ 250 m, otherwise drum

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

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.



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Article number	Article designation	Number of pairs and AWG per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
CE217489	ETHERLINE® FD P BK Cat.5	4x2xAWG26/19	6.6	27	54

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