

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 (17.03.2017)

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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

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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

2-pair: 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

high-quality, double screening ensures high transmission reliability in areas with 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 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)

Design

Bare stranded copper wire, 0.14 mm² (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 Ohm ±3 %
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

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.

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Article number	Article designation	Number of pairs and AWG per conductor	Max. 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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