

ETHERLINE® Cat.5e FD

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

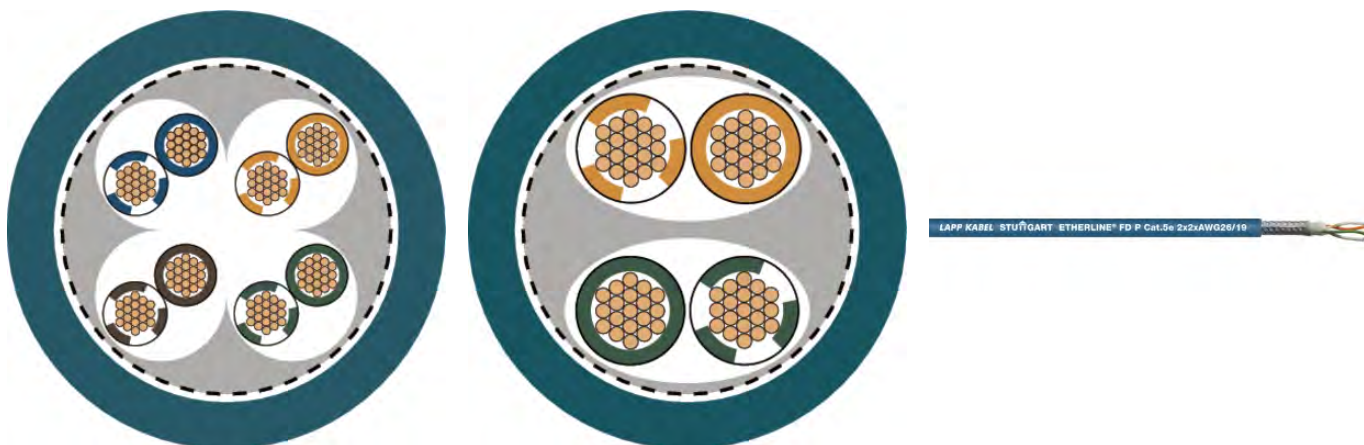
Industrial Ethernet cable Cat.5e for high flexible use
PUR (AWM-approval) outer sheath material, design 2 or 4 x2xAWG26/19

Info

Industrial Ethernet cable

For highly flexible applications

Only for patch cable applications (max. 60 m)



Interference signals



Robust



Power chain



Mechanical resistance



Halogen-free



Kompletterande automationskomponenter från Lapp



Suitable for outdoor use

Last Update (08.08.2018)

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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
Screened against interference
Can be used in dry or damp rooms
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
PUR outer sheath is highly resistant to mineral oils and abrasion
Halogen-free outer sheath
cables with PUR jacket: 1000 V UL- rating for installation next to power cables

Norm references / Approvals

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

Product Make-up

Bare stranded copper wire, 26AWG (19 x 0.10), (0.14 mm²)
Inner sheath: thermoplastic elastomer, halogen-free
2 or 4-pair version
Screening: wrapped with braided tinned-copper wires
PUR outer sheath
Colour: water blue (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:	100 Ω ± 15%
Temperature range:	cable with PUR jacket 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 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

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

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.

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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	54