

ETHERLINE® FD bioP Cat.5e

Ethernet cable Category 5e, Class D for flexible use - verified up to 100 MHz

Highly flexible Cat.5e Ethernet cable (1000 Mbit/s) with outer sheath made of partially bio-based plastic, for constantly flexing use in cable chains, with UL approval.

Info

Industrial Ethernet cable

For highly flexible applications

Outer shell made of bio-based plastic reduces dependence on fossil raw materials and reduces the CO2 footprint



Supplementary automation components from Lapp



Suitable for outdoor use



Halogen-free



Mechanical resistance



Power chain



Robust



Interference signals

Benefits

The sustainable variant with the bio-based outer sheath consists of more than 40% renewable raw materials (according to ASTM D6866). The product properties are the same as for the standard variant made of purely fossil raw materials.

The outer sheath made of partially bio-based plastic reduces dependence on fossil fuels and reduces the carbon footprint.

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Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

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Fast information exchange through ETHERNET technology. Cat.5e performance up to 1000 Mbit/s.
UL-/CSA-approval according to technical data allows use of the product in the North American area.
Halogen-free and flame-retardant materials reduce the possible hazards in the event of a fire.

Application range

Also suitable for EtherCAT and EtherNET/IP applications.
Especially for environments where electromagnetic compatibility (EMC) is required.
Cable design allows highly flexible, continuously flexing use in moving machine parts and in the cable chain.
Suitable for patch cable assembly up to a cable length of 60 m.
The bio-TPU outer sheath is insensitive to mineral-oil-based lubricants and resistant to many chemicals.

Product features

Premium screening against electromagnetic interference
Halogen-free outer sheath
cables with PUR jacket: 1000 V UL- rating for installation next to power cables

Norm references / Approvals

UL AWM Style 21576
Flame-retardant according 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 mm²)
Inner sheath: thermoplastic elastomer, halogen-free
Screening: wrapped with braided tinned-copper wires
bio-based PUR outer sheath
Colour: water blue (similar to 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
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 Flexing: VDE -5 °C to +50 °C; UL/CSA -5 °C to +80 °C

Note

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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)
21704891	ETHERLINE FD bioP Cat.5e 4x2x26/19AWG	4x2x26/19AWG	1.03	6.4	27	56