ETHERLINE® EC FD Cat.5e M12

Industrial Ethernet EC Patchcord M12

Industrial Ethernet Patchcord, M12 D-coded, straight or angled, PUR outer sheath, Cat.5 2-pairs

Info
Suitable for drag chains
Additional variants are available at
www.lappgroup.com/assemblyfinder
or on request.



- Supplementary automation components from Lapp
- Mechanical and plant engineering
- Halogen-free
- Mechanical resistance
- Assembly time
- Power chain
- Interference signals
- Waterproof

Benefits
Connecting cable assembled on one or on both sides saves installation time and reduces or eliminates the potential for on-site

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assembly errors.
High resistance to electromagnetic interference thanks to star quad stranding as well as double shielding made of aluminium-laminated foil and a high degree of coverage (SF/UTP).
Available with RJ45, M8 or M12D connectors. The slim RJ45 connector enables use in devices with a very high port density, while the integrated vibration protection of the M8/M12D connector is useful for applications with shock and vibrations.
The angled shape of the connector is suitable for the space-saving cable outlet.
Halogen-free core insulation and sheath compound to meet special fire protection requirements.

Application range

Cable design enables highly flexible, constantly flexing use in moving machine parts and in the cable chain.
Also suitable for EtherCAT and EtherNET/IP applications.
Compliant with standards for use in buses (fire behaviour test according to UNECE-R 118 for vehicles of category M3 (II and III)).
The PUR outer sheath and connectors withstand high mechanical loads.
The PUR outer sheath is insensitive to mineral oil-based lubricants and is chemically resistant in many cases.

Product features

Meets the requirements according to Cat. 5e and class D
2pair: 10/100 Mbit/s for Industrial Ethernet

Product Make-up

Braided conductor, 2x2x AWG26/19
Overall screening with copper braid and plastic-laminated aluminium foil
Outer sheath made of PUR
Colour: green (based on RAL 6018)
Pre-assembled connection and patch cable with M12 D-coded connectors with vibration protection
4 pole M12 connector with vibration protection

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC002599 ETIM 5.0 Class-Description: Patch cord copper (twisted pair) industry
Classification ETIM 6:	ETIM 6.0 Class-ID: EC002599 ETIM 6.0 Class-Description: Patch cord copper (twisted pair) industry
Minimum bending radius:	Flexing: 16 x outer diameter Fixed installation: 4 x outer diameter
Protection rating:	M12 - IP69
Temperature range:	During installation: -30 °C to +50 °C Fixed installation: -40 °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.
Other lengths and types of connectors are available upon request.
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	Length (m)	Copper index kg/1.000 pieces
straight plug M12 on straight plug M12			
2171778	IE-EC-5-M12D-S-0,5-P-2-26-FD-M12D-S	0.5	10
2171779	IE-EC-5-M12D-S-1-P-2-26-FD-M12D-S	1	20
2171780	IE-EC-5-M12D-S-2-P-2-26-FD-M12D-S	2	40
2171781	IE-EC-5-M12D-S-3-P-2-26-FD-M12D-S	3	60
2171782	IE-EC-5-M12D-S-5-P-2-26-FD-M12D-S	5	100
2171783	IE-EC-5-M12D-S-10-P-2-26-FD-M12D-S	10	200
2171784	IE-EC-5-M12D-S-20-P-2-26-FD-M12D-S	20	400
angled plug M12 on straight plug M12			
2171785	IE-EC-5-M12D-A-0,5-P-2-26-FD-M12D-S	0.5	10
2171786	IE-EC-5-M12D-A-1-P-2-26-FD-M12D-S	1	20
2171787	IE-EC-5-M12D-A-2-P-2-26-FD-M12D-S	2	40
2171788	IE-EC-5-M12D-A-3-P-2-26-FD-M12D-S	3	60
2171789	IE-EC-5-M12D-A-5-P-2-26-FD-M12D-S	5	100
2171790	IE-EC-5-M12D-A-10-P-2-26-FD-M12D-S	10	200
2171791	IE-EC-5-M12D-A-20-P-2-26-FD-M12D-S	20	400
straight plug M12 on free conductor end			
2171792	IE-EC-5-M12D-S-0,5-P-2-26-FD-OE	0.5	10
2171793	IE-EC-5-M12D-S-1-P-2-26-FD-OE	1	20
2171794	IE-EC-5-M12D-S-2-P-2-26-FD-OE	2	40
2171795	IE-EC-5-M12D-S-3-P-2-26-FD-OE	3	60
2171796	IE-EC-5-M12D-S-5-P-2-26-FD-OE	5	100
2171797	IE-EC-5-M12D-S-10-P-2-26-FD-OE	10	200
2171798	IE-EC-5-M12D-S-20-P-2-26-FD-OE	20	400
angled plug M12 on free conductor end			
2171870	IE-EC-5-M12D-A-0,5-P-2-26-FD-OE	0.5	10
2171871	IE-EC-5-M12D-A-1-P-2-26-FD-OE	1	20
2171872	IE-EC-5-M12D-A-2-P-2-26-FD-OE	2	40
2171873	IE-EC-5-M12D-A-3-P-2-26-FD-OE	3	60
2171874	IE-EC-5-M12D-A-5-P-2-26-FD-OE	5	100
2171875	IE-EC-5-M12D-A-10-P-2-26-FD-OE	10	200
2171876	IE-EC-5-M12D-A-20-P-2-26-FD-OE	20	400
angled plug M12 on angled plug M12			
2171906	IE-EC-5-M12D-A-0,5-P-2-26-FD-M12D-A	0.5	10
2171907	IE-EC-5-M12D-A-1-P-2-26-FD-M12D-A	1	20

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PRODUCT INFORMATION

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2171908	IE-EC-5-M12D-A-2-P-2-26-FD-M12D-A	2	40
2171909	IE-EC-5-M12D-A-3-P-2-26-FD-M12D-A	3	60
2171910	IE-EC-5-M12D-A-5-P-2-26-FD-M12D-A	5	100
2171911	IE-EC-5-M12D-A-10-P-2-26-FD-M12D-A	10	200
2171913	IE-EC-5-M12D-A-20-P-2-26-FD-M12D-A	20	400

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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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