

ETHERLINE® PN FD Cat.5 M12

PROFINET Patchcord M12

Industrial Ethernet Profinet Type C, Patchcord M12/M12, D-code, straight or angled, PUR

UL- approval

Cat.5 2pair

Info

Based on 2170894

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

Last Update (29.03.2024)

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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

For directly connecting two electric components
Non-permanent connections allow for easy change of equipment

Application range

Highly flexible application
suitable for EtherCAT and EtherNet/IP applications
Suitable for use in industrial applications
For indoor use

Product features

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

Norm references / Approvals

The cable is UL/CSA-certified (CMX)
UL File Number: E249137

Product Make-up

Braided conductor, 2x2x AWG22/7
Star quad
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:	Moved: 10 x outer diameter
Protection rating:	IP69
Temperature range:	Flexing: -20 °C to +60 °C Fixed installation: -30 °C to +70 °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			
2171121	IE-PNC-5-M12D-S-0,5-P-2-22-FD-M12D-S	0.5	15.65
2171049	IE-PNC-5-M12D-S-1-P-2-22-FD-M12D-S	1	31.3
2171050	IE-PNC-5-M12D-S-2-P-2-22-FD-M12D-S	2	62.6
2171051	IE-PNC-5-M12D-S-3-P-2-22-FD-M12D-S	3	93.9
2171052	IE-PNC-5-M12D-S-5-P-2-22-FD-M12D-S	5	156.5
2171053	IE-PNC-5-M12D-S-10-P-2-22-FD-M12D-S	10	313
2171054	IE-PNC-5-M12D-S-20-P-2-22-FD-M12D-S	20	626
angled plug M12 on straight plug M12			
2171122	IE-PNC-5-M12D-A-0,5-P-2-22-FD-M12D-S	0.5	15.65
2171061	IE-PNC-5-M12D-A-1-P-2-22-FD-M12D-S	1	31.3
2171062	IE-PNC-5-M12D-A-2-P-2-22-FD-M12D-S	2	62.6
2171063	IE-PNC-5-M12D-A-3-P-2-22-FD-M12D-S	3	93.9
2171064	IE-PNC-5-M12D-A-5-P-2-22-FD-M12D-S	5	156.5
2171065	IE-PNC-5-M12D-A-10-P-2-22-FD-M12D-S	10	313
2171066	IE-PNC-5-M12D-A-20-P-2-22-FD-M12D-S	20	626
straight plug M12 on free conductor end			
2172201	IE-PNC-5-M12D-S-0,5-P-2-22-FD-OE	0.5	15.65
2171055	IE-PNC-5-M12D-S-1-P-2-22-FD-OE	1	31.3
2171056	IE-PNC-5-M12D-S-2-P-2-22-FD-OE	2	62.6
2171057	IE-PNC-5-M12D-S-3-P-2-22-FD-OE	3	93.9
2171058	IE-PNC-5-M12D-S-5-P-2-22-FD-OE	5	156.5
2171059	IE-PNC-5-M12D-S-10-P-2-22-FD-OE	10	313
2171060	IE-PNC-5-M12D-S-20-P-2-22-FD-OE	20	626
angled plug M12 on free conductor end			
2172204	IE-PNC-5-M12D-A-0,5-P-2-22-FD-OE	0.5	15.65
2171067	IE-PNC-5-M12D-A-1-P-2-22-FD-OE	1	31.3
2171068	IE-PNC-5-M12D-A-2-P-2-22-FD-OE	2	62.6
2171069	IE-PNC-5-M12D-A-3-P-2-22-FD-OE	3	93.9
2171070	IE-PNC-5-M12D-A-5-P-2-22-FD-OE	5	156.5
2171071	IE-PNC-5-M12D-A-10-P-2-22-FD-OE	10	313
2171072	IE-PNC-5-M12D-A-20-P-2-22-FD-OE	20	626
2171250	-	-	15.65
2171251	IE-PNC-5-M12D-S-1-P-2-22-FD-M12DF-S	-	31.3
2171255	IE-PNC-5-M12D-S-10-P-2-22-FD-M12DF-S	-	156.5

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