

ETHERLINE® PN Flex Cat.5 M12

PROFINET Patchcord M12

Industrial Ethernet Patchcord, Profinet Type B, Cat.5, plug M12, D-coded, PVC, flexible

Info

Based on 2170886

Additional variants are available at
www.lappgroup.com/assemblyfinder
 or on request.



Supplementary automation components from Lapp



Mechanical and plant engineering



Mechanical resistance



Assembly time



Interference signals



Waterproof

Benefits

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

Application range

Flexible use
 suitable for EtherCAT and EtherNet/IP applications

Last Update (21.12.2023)

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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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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 (CMG)
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 PVC
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: 15 x outer diameter Fixed installation: 10 x outer diameter
Protection rating:	IP69
Temperature range:	Flexing: -20°C to +60°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			
2171025	IE-PNB-5-M12D-S-1-Y-2-22-7-M12D-S	1	31.3
2171026	IE-PNB-5-M12D-S-2-Y-2-22-7-M12D-S	2	62.6
2171027	IE-PNB-5-M12D-S-3-Y-2-22-7-M12D-S	3	93.9
2171028	IE-PNB-5-M12D-S-5-Y-2-22-7-M12D-S	5	156.5
2171029	IE-PNB-5-M12D-S-10-Y-2-22-7-M12D-S	10	313
2171030	IE-PNB-5-M12D-S-20-Y-2-22-7-M12D-S	20	626
angled plug M12 on straight plug M12			
2171037	IE-PNB-5-M12D-A-1-Y-2-22-7-M12D-S	1	31.3
2171038	IE-PNB-5-M12D-A-2-Y-2-22-7-M12D-S	2	62.6
2171039	IE-PNB-5-M12D-A-3-Y-2-22-7-M12D-S	3	93.9
2171040	IE-PNB-5-M12D-A-5-Y-2-22-7-M12D-S	5	156.5
2171041	IE-PNB-5-M12D-A-10-Y-2-22-7-M12D-S	10	313
2171042	IE-PNB-5-M12D-A-20-Y-2-22-7-M12D-S	20	626
straight plug M12 on free conductor end			
2171031	IE-PNB-5-M12D-S-1-Y-2-22-7-OE	1	31.3
2171032	IE-PNB-5-M12D-S-2-Y-2-22-7-OE	2	62.6
2171033	IE-PNB-5-M12D-S-3-Y-2-22-7-OE	3	93.9
2171034	IE-PNB-5-M12D-S-5-Y-2-22-7-OE	5	156.5
2171035	IE-PNB-5-M12D-S-10-Y-2-22-7-OE	10	313
2171036	IE-PNB-5-M12D-S-20-Y-2-22-7-OE	20	626
angled plug M12 on free conductor end			
2171043	IE-PNB-5-M12D-A-1-Y-2-22-7-OE	1	31.3
2171044	IE-PNB-5-M12D-A-2-Y-2-22-7-OE	2	62.6
2171045	IE-PNB-5-M12D-A-3-Y-2-22-7-OE	3	93.9
2171046	IE-PNB-5-M12D-A-5-Y-2-22-7-OE	5	156.5
2171047	IE-PNB-5-M12D-A-10-Y-2-22-7-OE	10	313
2171048	IE-PNB-5-M12D-A-20-Y-2-22-7-OE	20	626

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