

ETHERLINE® PN Flex Cat.5 M12-RJ45

PROFINET Patchcord M12/RJ45

Industrial Ethernet Patchcord, Profinet Type B, Cat.5, plug M12 on plug RJ45, 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 (25.04.2024)

©2024 Lapp Group - Technical changes reserved

Product Management www.lappkabel.de

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

PN 0456 / 02_03.16

ETHERLINE® PN Flex Cat.5 M12-RJ45

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)

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 patchcords with D-coded M12 connector and RJ45-connector
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:	M12 - IP69 RJ45 - IP20
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.

ETHERLINE® PN Flex Cat.5 M12-RJ45

Article number	Article designation	Length (m)	Copper index kg/1.000 pieces
straight plug M12 on straight plug RJ45			
2171214	IE-PNB-5-M12D-S-0,5-Y-2-22-7-RJ45	0.5	15.65
2171215	IE-PNB-5-M12D-S-1-Y-2-22-7-RJ45	1	31.3
2171216	IE-PNB-5-M12D-S-2-Y-2-22-7-RJ45	2	62.6
2171217	IE-PNB-5-M12D-S-3-Y-2-22-7-RJ45	3	93.9
2171218	IE-PNB-5-M12D-S-5-Y-2-22-7-RJ45	5	156.5
2171219	IE-PNB-5-M12D-S-10-Y-2-22-7-RJ45	10	313
2171220	IE-PNB-5-M12D-S-20-Y-2-22-7-RJ45	20	626
angled plug M12 on straight plug RJ45			
2171221	IE-PNB-5-M12D-A-0,5-Y-2-22-7-RJ45	0.5	15.65
2171222	IE-PNB-5-M12D-A-1-Y-2-22-7-RJ45	1	31.3
2171223	IE-PNB-5-M12D-A-2-Y-2-22-7-RJ45	2	62.6
2171224	IE-PNB-5-M12D-A-3-Y-2-22-7-RJ45	3	93.9
2171225	IE-PNB-5-M12D-A-5-Y-2-22-7-RJ45	5	156.5
2171226	IE-PNB-5-M12D-A-10-Y-2-22-7-RJ45	10	313
2171227	IE-PNB-5-M12D-A-20-Y-2-22-7-RJ45	20	626
straight socket M12 for rear-mounting on straight plug RJ45			
2171293	IE-PNB-5-M12DF-S-0,5-Y-2-22-7-RJ45	0.5	15.65
2171294	IE-PNB-5-M12DF-S-1-Y-2-22-7-RJ45	1	31.3
2171295	IE-PNB-5-M12DF-S-2-Y-2-22-7-RJ45	2	62.6
2171296	IE-PNB-5-M12DF-S-3-Y-2-22-7-RJ45	3	93.9
2171297	IE-PNB-5-M12DF-S-5-Y-2-22-7-RJ45	5	156.5

Last Update (25.04.2024)

©2024 Lapp Group - Technical changes reserved

Product Management www.lappkabel.de

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

PN 0456 / 02_03.16

ETHERLINE® PN Flex Cat.5 M12-RJ45