ETHERLINE® PN Cat.5 M12-RJ45

PROFINET Patchcord M12/RJ45

Industrial Ethernet Patchcord, Profinet Type A, Cat.5, plug M12 on plug RJ45, PVC

Info

Based on 2170893
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

Fixed Installation
suitable for EtherCAT and EtherNet/IP applications

Last Update (23.12.2023)
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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)

Product Make-up
Solid conductor, 2x2x AWG22/1
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:	During installation: 15 x outer diameter Fixed installation: 10 x outer diameter
Protection rating:	M12 - IP69 RJ45 - IP20
Temperature range:	During installation: -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.
For detailed technical information please refer to the data sheet

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Article number	Article designation	Length (m)	Copper index kg/1.000 pieces
straight plug M12 on straight plug RJ45			
2171164	IE-PNA-5-M12D-S-0,5-Y-2-22-1-RJ45	0.5	15.2
2171165	IE-PNA-5-M12D-S-1-Y-2-22-1-RJ45	1	30.4
2171166	IE-PNA-5-M12D-S-2-Y-2-22-1-RJ45	2	60.8
2171167	IE-PNA-5-M12D-S-3-Y-2-22-1-RJ45	3	91.2
2171168	IE-PNA-5-M12D-S-5-Y-2-22-1-RJ45	5	152
2171169	IE-PNA-5-M12D-S-10-Y-2-22-1-RJ45	10	304
2171170	IE-PNA-5-M12D-S-20-Y-2-22-1-RJ45	20	608
angled plug M12 on straight plug RJ45			
2171171	IE-PNA-5-M12D-A-0,5-Y-2-22-1-RJ45	0.5	15.2
2171172	IE-PNA-5-M12D-A-1-Y-2-22-1-RJ45	1	30.4
2171173	IE-PNA-5-M12D-A-2-Y-2-22-1-RJ45	2	60.8
2171174	IE-PNA-5-M12D-A-3-Y-2-22-1-RJ45	3	91.2
2171175	IE-PNA-5-M12D-A-5-Y-2-22-1-RJ45	5	152
2171176	IE-PNA-5-M12D-A-10-Y-2-22-1-RJ45	10	304
2171177	IE-PNA-5-M12D-A-20-Y-2-22-1-RJ45	20	608

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