

ETHERLINE® PN Cat.5 M12

PROFINET Patchcord M12

Industrial Ethernet Profinet type A, patch cable M12/M12, D-coded, straight or angled
PVC, UL approval
Cat.5 2-pair

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

Application range

suitable for EtherCAT and EtherNet/IP applications

Last Update (11.05.2024)

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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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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

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 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: | During installation: 15 x outer diameter Fixed installation: 10 x outer diameter |
| Protection rating: | IP69 |
| 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 M12 | | | |
| 2171001 | IE-PNA-5-M12D-S-1-Y-2-22-1-M12D-S | 1 | 30.4 |
| 2171002 | IE-PNA-5-M12D-S-2-Y-2-22-1-M12D-S | 2 | 60.8 |
| 2171003 | IE-PNA-5-M12D-S-3-Y-2-22-1-M12D-S | 3 | 91.2 |
| 2171004 | IE-PNA-5-M12D-S-5-Y-2-22-1-M12D-S | 5 | 152 |
| 2171005 | IE-PNA-5-M12D-S-10-Y-2-22-1-M12D-S | 10 | 304 |
| 2171006 | IE-PNA-5-M12D-S-20-Y-2-22-1-M12D-S | 20 | 608 |
| angled plug M12 on straight plug M12 | | | |
| 2171013 | IE-PNA-5-M12D-A-1-Y-2-22-1-M12D-S | 1 | 30.4 |
| 2171014 | IE-PNA-5-M12D-A-2-Y-2-22-1-M12D-S | 2 | 60.8 |
| 2171015 | IE-PNA-5-M12D-A-3-Y-2-22-1-M12D-S | 3 | 91.2 |
| 2171016 | IE-PNA-5-M12D-A-5-Y-2-22-1-M12D-S | 5 | 152 |
| 2171017 | IE-PNA-5-M12D-A-10-Y-2-22-1-M12D-S | 10 | 304 |
| 2171018 | IE-PNA-5-M12D-A-20-Y-2-22-1-M12D-S | 20 | 608 |
| straight plug M12 on free conductor end | | | |
| 2171007 | IE-PNA-5-M12D-S-1-Y-2-22-1-OE | 1 | 30.4 |
| 2171008 | IE-PNA-5-M12D-S-2-Y-2-22-1-OE | 2 | 60.8 |
| 2171009 | IE-PNA-5-M12D-S-3-Y-2-22-1-OE | 3 | 91.2 |
| 2171010 | IE-PNA-5-M12D-S-5-Y-2-22-1-OE | 5 | 152 |
| 2171011 | IE-PNA-5-M12D-S-10-Y-2-22-1-OE | 10 | 304 |
| 2171012 | IE-PNA-5-M12D-S-20-Y-2-22-1-OE | 20 | 608 |
| angled plug M12 on free conductor end | | | |
| 2171019 | IE-PNA-5-M12D-A-1-Y-2-22-1-OE | 1 | 30.4 |
| 2171020 | IE-PNA-5-M12D-A-2-Y-2-22-1-OE | 2 | 60.8 |
| 2171021 | IE-PNA-5-M12D-A-3-Y-2-22-1-OE | 3 | 91.2 |
| 2171022 | IE-PNA-5-M12D-A-5-Y-2-22-1-OE | 5 | 152 |
| 2171023 | IE-PNA-5-M12D-A-10-Y-2-22-1-OE | 10 | 304 |
| 2171024 | IE-PNA-5-M12D-A-20-Y-2-22-1-OE | 20 | 608 |

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