

## ETHERLINE® PN Flex Cat.5 RJ45

PROFINET Patchcord RJ45

Industrial Ethernet Patchcord, Profinet Type B, Cat.5, plug RJ45, PVC, flexible

### Info

Based on 2170886

Additional variants are available at  
[www.lappgroup.com/assemblyfinder](http://www.lappgroup.com/assemblyfinder)  
or on request.



Supplementary automation components from Lapp



Mechanical and plant engineering



Mechanical resistance



Assembly time



Interference signals

### 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  
Suitable for use in industrial applications  
For indoor use

Last Update (22.02.2024)

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Product Management [www.lappkabel.de](http://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 RJ45

### 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 patchcord with RJ45 connectors

### Technical Data

|                         |                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------|
| Classification ETIM 5:  | ETIM 5.0 Class-ID: EC002599<br>ETIM 5.0 Class-Description: Patch cord copper (twisted pair) industry |
| Classification ETIM 6:  | ETIM 6.0 Class-ID: EC002599<br>ETIM 6.0 Class-Description: Patch cord copper (twisted pair) industry |
| Minimum bending radius: | During installation: 15 x outer diameter<br>Fixed installation: 10 x outer diameter                  |
| Protection rating:      | IP 20                                                                                                |
| Temperature range:      | During installation: -20 °C to +60 °C<br>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

## ETHERLINE® PN Flex Cat.5 RJ45

| Article number                           | Article designation             | Length (m) | Copper index kg/1.000 pieces |
|------------------------------------------|---------------------------------|------------|------------------------------|
| straight plug RJ45 on straight plug RJ45 |                                 |            |                              |
| 2171228                                  | IE-PNB-5-RJ45-0,5-Y-2-22-7-RJ45 | 0.5        | 15.65                        |
| 2171229                                  | IE-PNB-5-RJ45-1-Y-2-22-7-RJ45   | 1          | 31.3                         |
| 2171230                                  | IE-PNB-5-RJ45-2-Y-2-22-7-RJ45   | 2          | 62.6                         |
| 2171231                                  | IE-PNB-5-RJ45-3-Y-2-22-7-RJ45   | 3          | 93.9                         |
| 2171232                                  | IE-PNB-5-RJ45-5-Y-2-22-7-RJ45   | 5          | 156.5                        |
| 2171233                                  | IE-PNB-5-RJ45-10-Y-2-22-7-RJ45  | 10         | 313                          |
| 2171234                                  | IE-PNB-5-RJ45-20-Y-2-22-7-RJ45  | 20         | 626                          |
| straight plug RJ45 on free conductor end |                                 |            |                              |
| 2171235                                  | IE-PNB-5-RJ45-0,5-Y-2-22-7-OE   | 0.5        | 15.65                        |
| 2171236                                  | IE-PNB-5-RJ45-1-Y-2-22-7-OE     | 1          | 31.3                         |
| 2171237                                  | IE-PNB-5-RJ45-2-Y-2-22-7-OE     | 2          | 62.6                         |
| 2171238                                  | IE-PNB-5-RJ45-3-Y-2-22-7-OE     | 3          | 93.9                         |
| 2171239                                  | IE-PNB-5-RJ45-5-Y-2-22-7-OE     | 5          | 156.5                        |
| 2171240                                  | IE-PNB-5-RJ45-10-Y-2-22-7-OE    | 10         | 313                          |
| 2171241                                  | IE-PNB-5-RJ45-20-Y-2-22-7-OE    | 20         | 626                          |