

ETHERLINE® PN Cat.5 FD

Highly flexible application

Industrial Ethernet cable Cat.5 for highly flexible use in power chains, for PROFINET applications type C design 2x2xAWG22/7

UL approval

Info

Highly flexible application

For PROFINET applications



Power chain



Halogen-free



Industrial machinery and plant engineering



Automation & fältinstallation

Benefits

Can be used in dry or damp rooms

Shielded against interference signals

Can be used for Industrial Ethernet in harsh industrial environments

2-pair: 10/100 Mbit/s for Industrial Ethernet

Application range

Power chain applications

Wiring machines, devices, and control cabinets

max. cable length for 100 Mbit/s is 85 m

suitable for EtherCAT and EtherNet/IP applications

Last Update (22.03.2017)

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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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Product features

CAT.5 performance
PUR outer sheath is highly resistant to mineral oils and abrasion
Flame-retardant according to IEC 60332-1-2
Optimised cable construction for power chain use
Broad usages due to halogen-free materials

Norm references / approvals

UL/CSA type CMX (UL 444)

Design

Fine-wire strand made of tin-plated copper wires
Star quad
Colour-coded in accordance with PROFINET for Cat.5 applications
Inner sheath: Thermoplastic copolymer (FRNC)
Overall shielding with copper braiding and plastic-laminated aluminium foil
PUR outer sheath, halogen-free
Colour: green (similar to RAL 6018)

Technical Data

| | |
|---------------------------|---|
| Classification: | ETIM 5.0 Class-ID: EC000830 ETIM 5.0 Class-Description: Data cable |
| Peak operating voltage: | (not for power applications) 125 V |
| Minimum bending radius: | Flexing: 8 x outer diameter Fixed installation: 5 x outer diameter |
| Test voltage: | Core/Core: 700 V Core/Shield: 700 V |
| Characteristic impedance: | 100 Ω \pm 15% |
| Temperature range: | Fixed installation: -30°C to +70°C Flexing: -20°C to +60°C |

Note

Unless otherwise specified, the product values shown are nominal values. You can receive further values, such as tolerances, upon request if they are available and have been released for publication.

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging: Ring \leq 30 kg or \leq 250 m, otherwise drum

PROFINET® is a registered trademark of the PNO (PROFIBUS user organisation)

Detailed data sheets are available upon request. Please specify the type/dimensions of the required cable

Photographs 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 | Number of pairs and AWG per conductor | Max. outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|----------------|--------------------------|---------------------------------------|--------------------------|----------------------|----------------|
| 2170894 | ETHERLINE® FD P FC CAT.5 | 2 x 2 x AWG22/7 | 6.8 | 31.3 | 63 |

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