ETHERLINE® PN Cat.5 FD

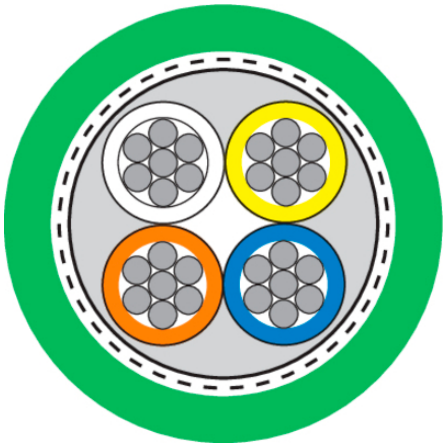
Highly flexible application

Industrial Ethernet cable Cat.5 for highflexible use, for PROFINET-applications Type C
design 2x2xAWG22/7
UL- approval

Info

Highly flexible application
For PROFINET applications
CAT.5-Performance





Supplementary automation components from Lapp

Mechanical and plant engineering

Halogen-free

Power chain

Benefits

Can be used in dry or damp rooms
Screened against interference
Can be used for Industrial Ethernet in harsh industrial environments
2pair: 10/100 Mbit/s for Industrial Ethernet

Application range

Power chain applications
Wiring of machines, tools, devices, appliances and control cabinets
suitable for EtherCAT and EtherNet/IP applications

Last Update (29.11.2025)
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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
PUR outer sheath is highly resistant to mineral oils and abrasion
Optimized cable construction for power chain use

Norm references / Approvals
UL/CSA type CMX (UL 444)
Flame-retardant according to UL VW1/CSA FT1
Halogen-free according to VDE 0472-815

Product Make-up
Fine-wire strand made of tinned-copper wires
Star quad
Colour-coded in accordance with PROFINET for Cat.5e apllications
Inner sheath: thermoplastic copolymer (FRNC)
Overall screening with copper braid and plastic-laminated aluminium foil
PUR outer sheath, halogen-free
Colour: green (based on RAL 6018)

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000830 ETIM 5.0 Class-Description: Data cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000830 ETIM 6.0 Class-Description: Data cable
Peak operating voltage:	(not for power applications) 125 V
Minimum bending radius:	8 x outer diameter
Test voltage:	Core/core: 700 V Core/screen: 700 V
Characteristic impedance:	nom. 100 Ω acc. to IEC 61156-5
Temperature range:	Fixed installation: -30 °C to +70 °C Flexing: -20 °C to +60 °C

Note
Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
Packaging size: coil ≤ 30 kg or ≤ 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 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.

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Article number	Article designation	Number of pairs and AWG per conductor	Core diameter in mm	Outer diameter mm	Copper index (kg/km)	Weight (kg/km)
2170894	ETHERLINE® FD P FC CAT.5	2 x 2 x AWG22/7	1.5	6.5	31.3	61

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