

ETHERLINE® PN Cat.7 FD

Highly flexible application

Industrial Ethernet cable Cat.7 for highly flexible use

4 pairs

PUR outer sheath with UL Listing (CMX), design 4x2x24/7AWG, PROFINET Type C

Info

Industrial Ethernet cable

For PROFINET applications with 4 pairs

Cat.7 qualified for 10Gbit/s



Supplementary automation components from Lapp



Mechanical and plant engineering



Flame-retardant



Mechanical resistance



Interference signals



UV-resistant

Benefits

Many applications with Industrial Ethernet, e.g. PROFINET type C, i.e. fixed installation and flexible use.

Premium screening against electromagnetic interference

Can be used for Industrial Ethernet in harsh industrial environments

4pair: 100Mbit/s up to 10 Gbit/s for Industrial Ethernet

Last Update (10.05.2024)

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Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

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Application range

Wiring of machines, tools, devices, appliances and control cabinets
max. cable length for 100 Mbit/s up to 10 Gbit/s is 100 m
suitable for EtherCAT and EtherNet/IP applications

Product features

PUR outer sheath is highly resistant to mineral oils and abrasion
Tested for over 3 mio bending cycles in drag chain application
High-quality, double screening ensures high transmission reliability in areas with electromagnetic interference

Norm references / Approvals

electrical requirements acc. to IEC 61156-6
The cable is UL/CSA-certified (CMX)
UL AWM Style 21576
Flame-retardant according to IEC 60332-1-2, UL FT-2 flame test
Halogen-free according to IEC 60754-1

Product Make-up

7-wire tinned stranded copper conductor
Core insulation made of polyethylene (PE)
SF/FTP: Aluminium compound foil and copper braid as overall screening and pair screening with aluminium compound foil
Outer sheath made of PUR
Colour: green (based on RAL 6018)

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000830 ETIM 5.0 Class-Description: Data cable
Peak operating voltage:	(not for power applications) 100 V
Minimum bending radius:	Fixed installation: 8 x outer diameter Flexing: 15 x outer diameter
Test voltage:	Core/core: 2000 V Core/screen: 2000 V
Characteristic impedance:	nom. 100 Ω acc. to IEC 61156-6
Temperature range:	Fixed installation: -40 °C to +80 °C Flexing: -10 °C to +70 °C

Note

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Prices are net prices without VAT and surcharges. Sale to business customers only.

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Article number	Number of pairs and AWG per conductor	Core diameter in mm	Outer diameter mm	Weight (kg/km)
2170487	4x2x24/7AWG	1.4	9.4	98