

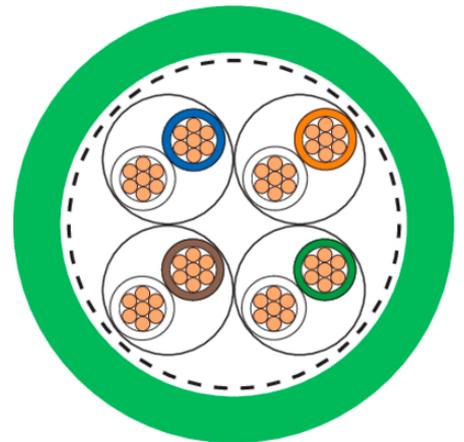
## ETHERLINE® PN Cat.7 FLEX

Ethernet cable Category 7, Class F for flexible application - verified up to 600 MHz

Industrial Ethernet cable Cat.7 for flexible use  
PVC or halogenfree outer sheath, design 4x2xAWG23/7

### 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

Can be used in dry or damp rooms  
Screened against interference  
Can be used for Industrial Ethernet in harsh industrial environments  
4pair: 100Mbit/s up to 10 Gbit/s for Industrial Ethernet

### Application range

Last Update (05.05.2024)

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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 Cat.7 FLEX

for industrial secondary and tertiary cabling according to EN 50173-3  
ISO/IEC 24702

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

### Product features

FRNC Version: Halogene free and flame retardant

The oil-resistant PVC sheath enables usage in industrial environments

High-quality, double screening ensures high transmission reliability in areas with electromagnetic interference

### Norm references / Approvals

Flame retardant acc. to IEC 60332-1-2

UL approvals see data sheet

### Product Make-up

7-wire bare stranded copper conductor

Core insulation: foamed polyethylen (PE)

S/FTP: copper braid as overall screening and pair screening with aluminium compound foil

Colour: green (based on RAL 6018)

### Technical Data

Classification ETIM 5:	ETIM 5.0/6.0 Class-ID: EC000830 ETIM 5.0/6.0 Class-Description: Data cable
Peak operating voltage:	(not for power applications) 125 V
Minimum bending radius:	Fixed installation: 4 x outer diameter Flexing: 8 x outer diameter
Test voltage:	Core/core: 1500 V rms Core/screen: 1500 V eff.
Characteristic impedance:	100 $\Omega$ $\pm$ 5 Ohm (> 1 MHz)
Temperature range:	Fixed installation: -30 °C to +80 °C Occasional flexing: -5 °C to +50 °C

### Note

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.

**ETHERLINE® PN Cat.7 FLEX**

Article number	Article designation	Number of pairs and AWG per conductor	Core diameter in mm	Outer diameter mm	Copper index (kg/km)
2170609	ETHERLINE® PN CAT.7 FRNC FLEX A	4x2xAWG23/7	1.5	8.7	45
2170608	ETHERLINE® PN CAT.7 Y FLEX A	4x2xAWG23/7	1.5	8.7	45

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