

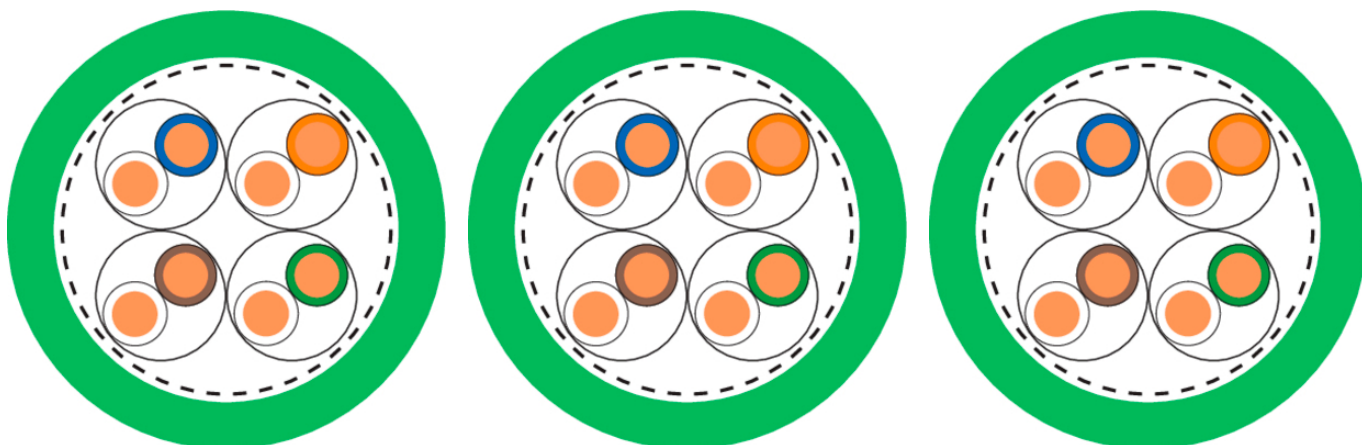
## ETHERLINE® PN Cat.7

Ethernet cable Category 7, Class F for fixed installation - verified up to 600 MHz

Industrial Ethernet cable Cat.7 for fixed installation  
halogenfree, PVC or PUR outer sheath, design 4x2xAWG23/1

### 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 (18.12.2024)

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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

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

PUR outer sheath is highly resistant to mineral oils and abrasion

Robust, halogen-free FRNC outer sheath

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

### Norm references / Approvals

Flame retardant acc. to IEC 60332-1-2

Oil-resistant acc. IEC 60811-2-1

UL approvals see data sheet

### Product Make-up

Solid bare copper wire AWG23

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: 8 x outer diameter
Test voltage:	Core/core: 1500 V rms Core/screen: 1500 V eff.
Characteristic impedance:	100 ± 5 Ω (>1MHz)
Temperature range:	PVC/FRNC: -30 °C up to +80 °C PUR: -40 °C to +80 °C

### Note

Lapp Kabel is a member of the PROFIBUS user organisation (PNO)

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



## ETHERLINE® PN Cat.7

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)
2170605	ETHERLINE® PN CAT.7 Y A	2 x 4 x AWG23/1	1.4	8.1	-	80
2170606	ETHERLINE® PN CAT.7 FRNC A	2 x 4 x AWG23/1	1.4	8.1	40	80
2170607	ETHERLINE® PN CAT.7 P A	2 x 4 x AWG23/1	1.4	8.1	40	80

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