

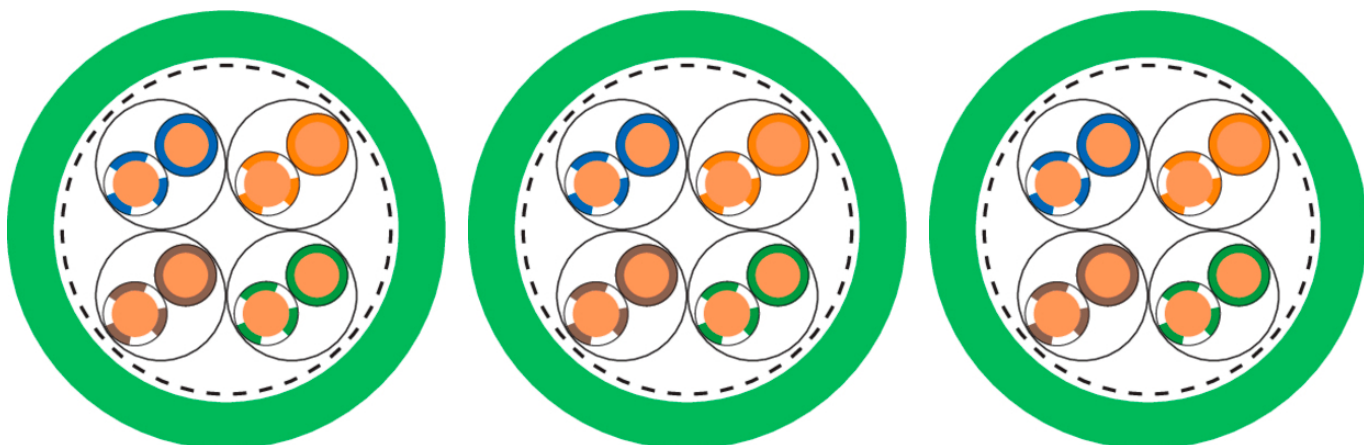
## ETHERLINE® Cat.7

Fixed Installation

Industrial Ethernet cable Cat.7 for fixed installation  
halogenfree, PVC or PUR outer sheath, design 4x2xAWG22/1

### 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 (30.04.2024)

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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® 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

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

Robust, halogen-free outer sheath

The oil-resistant PVC sheath enables usage in industrial environments

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

### Product Make-up

Solid bare copper wire AWG22

Core insulation made of polyethylene (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 Class-ID: EC000830

ETIM 5.0 Class-Description: Data cable

Peak operating voltage:

(not for power applications) 125 V

Minimum bending radius:

Fixed installation: 10 x outer diameter

Characteristic impedance:

100 ohm at 1 - 100 MHz

Temperature range:

Cable with PVC jacket

Fixed installation: -30 °C to +80 °C

Flexing: -5 °C bis +50 °C

cable halogenfree compound

Fixed installation: -25 °C to +80 °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® 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)
Halogen-free jacket						
2170476	ETHERLINE® Cat.7 H	4 x 2 x AWG22/1	1.5	8.7	53	99
PUR outer sheath, halogen-free						
2170475	ETHERLINE® Cat.7 P	4 x 2 x AWG22/1	1.5	8.7	53	91
PVC outer sheath						
2170474	ETHERLINE® Cat.7 Y	4 x 2 x AWG22/1	1.5	8.7	53	98

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