

## ETHERLINE® Cat.7 FLEX

Ethernet cable Category 7, Class F for flexible application

Industrial Ethernet cable Cat.7 for flexible use, 4 pairs, PUR outer sheath with UL-approval, 4x2xAWG26/7

### Info

Space-saving installation due to small cable diameters

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

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

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

PN 0456 / 02\_03.16

## ETHERLINE® Cat.7 FLEX

### Product features

PUR outer sheath is highly resistant to mineral oils and abrasion  
Robust, halogen-free outer sheath  
High-quality, double screening ensures high transmission reliability in areas with electromagnetic interference

### Norm references / Approvals

Halogen-free according to VDE 0472-815  
electrical requirements acc. to IEC 61156-6  
AWM certification for USA and Canada  
UL AWM Style 21238  
Flame retardant acc. to IEC 60332-1-2

### Product Make-up

Stranded conductor, bare, 7-wire  
Core insulation made of polyethylene (PE)  
S/FTP: 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
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:	Fixed installation: 4 x outer diameter Flexing: 10 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: -50 °C to +80 °C Flexing: -40 °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 FLEX**

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)
2170934	ETHERLINE® Cat.7 FLEX	4x2xAWG26/7	1	6.4	28	46

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