

## ETHERLINE® Cat.7 FLEX

Flexible use

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



UV-resistant



Interference signals



Mechanical resistance



Mechanical and plant engineering



Kompletterande automationskomponenter från Lapp



Flame-retardant

### 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

max. cable length for 100 Mbit/s is 60 m

Last Update (12.12.2019)

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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.

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## ETHERLINE® Cat.7 FLEX

max. cable length for 10 Gbit/s is 60 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  
High-quality, double screening ensures high transmission reliability in areas with electromagnetic interference

### Norm references / Approvals

electrical requirements acc. to IEC 61156-6  
AWM certification for USA and Canada  
UL AWM Style 21576  
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
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	Number of pairs and AWG per conductor	Core diameter in mm	Outer diameter mm	Copper index (kg/km)
2170934	4x2xAWG26/7	1	6.4	28