

## 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

max. cable length for up to 10 Gbit/s is 60 m

## ETHERLINE® Cat.7 FLEX

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

Halogen-free according to VDE 0472-815

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

Test voltage:

Core/Core: 1000 V

Core/screen: 1000 V

Characteristic impedance:

nom. 100  $\Omega$  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