

# ETHERLINE® EC FLEX Cat.5e

Flexible use

The LAN cable is suitable for Ethernet in demanding industrial environments and features a space-saving design. It can be used in wet and dry premises.

### Info

For EtherCAT applications  
 Cat.5e-Performance  
 Only for patch cable applications  
 (max. 60 m)



- Supplementary automation components from Lapp
- Mechanical and plant engineering
- Oil-resistant
- Space requirement
- Interference signals

### Benefits

Can be used for Industrial Ethernet in harsh industrial environments  
 Can be used in dry or damp rooms  
 Lower space requirement

### Application range

suitable for EtherCAT and EtherNet/IP applications  
 For flexible applications  
 (7-wire stranded conductor)

## ETHERLINE® EC FLEX Cat.5e

Many applications with Industrial Ethernet, i.e. fixed installation and flexible use.  
For internal wiring of electric and electronic equipment in switch cabinets  
Only for patch cable applications  
(max. 60 m)

### Product features

PUR (Polyurethane) Version with increased robustness, UV- resistance and halogen free  
High-quality, double screening ensures high transmission reliability in areas with electromagnetic interference

### Norm references / Approvals

Certification: UL/CSA type CMX in accordance with UL 444 and CSA C22.2 no. 214  
Flame-retardant according to UL VW1/CSA FT1

### Product Make-up

Stranded tinned 7-wire conductor  
Core insulation: PE  
insulation colour-codes: orange/white-orange; green/white-green  
Star quad  
SF/UTP: braid of tinned copper wire and plastic laminated aluminum foil as overall screening  
PVC or PUR jacket material  
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:	max. 100 V (not for power applications)
Minimum bending radius:	Fixed installation: 4 x outer diameter Flexing: 8 x outer diameter
Characteristic impedance:	nom. 100 $\Omega$ acc. to IEC 61156-5
Temperature range:	Cable with PVC jacket Fixed installation: -30 °C to +80 °C Flexing: -5 °C bis +50 °C Cable with PUR jacket Fixed installation: -40 °C to +80 °C Flexing: -30 °C to +50 °C

### Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Detailed data sheets are available upon request. Please specify the type/dimensions of the required cable.  
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® EC FLEX Cat.5e**

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)
PVC outer sheath						
2170430	ETHERLINE® Y EC FLEX Cat.5e	1 x 4 x AWG26/7	1	4.8	20	32
PUR outer sheath, halogen-free						
2170431	ETHERLINE® P EC FLEX Cat.5e	1 x 4 x AWG26/7	1	4.8	20	31

Last Update (23.04.2024)

©2024 Lapp Group - Technical changes reserved

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® EC FLEX Cat.5e

