

## ETHERLINE® Cat.5e FLEX

Ethernet cable Category 5e, Class D for flexible use - verified up to 100 MHz

Industrial Ethernet cable Cat.5e for flexible use  
halogenfree or PUR (AWM-approval) outer sheath material, design 2 or 4 x2xAWG26/7

### Info

Industrial Ethernet cable  
Cat.5e  
Only for patch cable applications  
(max. 60 m)



Supplementary automation components from Lapp



Halogen-free



Mechanical resistance



Robust



Interference signals

### Benefits

Seamless communication from the sensor/actuator level to the Internet  
Screened against interference  
Can be used in dry or damp rooms  
Can be used for Industrial Ethernet in harsh industrial environments  
cables with PUR jacket: 1000 V UL- rating for installation next to power cables

### Application range

2pair: 10/100 Mbit/s for Industrial Ethernet

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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.5e FLEX

4pair: 10/100/1000 Mbit/s for Industrial Ethernet  
suitable for EtherCAT and EtherNet/IP applications  
For flexible applications  
(7-wire stranded conductor)  
Only for patch cable applications  
(max. 60 m)

### Product features

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

### Norm references / Approvals

PUR cables: halogenfree acc. to VDE 0472-815  
PVC version with UL/CSA (CMG) certification  
PUR versions: UL AWM Style 21576  
Flame-retardant according IEC 60332-1-2  
Halogenfree cables: halogenfree according to IEC 60754-1, IEC 60754-2

### Product Make-up

Stranded conductor, bare, 7-wire  
Core insulation made of foam skin  
2 or 4-pair version  
SF/UTP: braid of tinned copper wire and plastic laminated aluminum foil as overall screening  
Outer sheath as either PVC, PUR or LSZH  
Colour: water blue (similar to RAL 5021)  
PVC jacket colour: green (similar to 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: 8 x outer diameter Flexing: 15 x outer diameter
Test voltage:	Core/core: 1000 V Core/screen: 500 V
Characteristic impedance:	nom. 100 Ω acc. to IEC 61156-5
Temperature range:	cable with PUR jacket Fixed installation: VDE -30°C to +80°C; UL/CSA -30°C to +80°C flexing: VDE -5°C to +50°C; UL/CSA -5°C to +80°C cable halogenfree compound Fixed installation: -30°C to +80°C flexing: -5°C to +60°C cable with PVC jacket Fixed installation: -40°C to +80°C flexing: -10°C to +70°C

### Note

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## **ETHERLINE® Cat.5e FLEX**

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

Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

Packaging size: coil  $\leq$  30 kg or  $\leq$  250 m, otherwise drum

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® Cat.5e 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)
2170283	ETHERLINE® H Flex CAT.5e	2 x 2 x AWG26/7	1	5.6	19	43
PUR outer sheath, halogen-free						
2170284	ETHERLINE® P Flex CAT.5e	2 x 2 x AWG26/7	1	5.6	19	45
PUR outer sheath, halogen-free						
2170299	ETHERLINE® H Flex CAT.5e	4 x 2 x AWG26/7	1	6.1	25	48
PUR outer sheath, halogen-free						
2170300	ETHERLINE® P Flex CAT.5e	4 x 2 x AWG26/7	1	6.1	25	54
PVC outer sheath						
2170486	ETHERLINE® Y Flex CAT.5e	4 x2 x AWG26/7	1	6.2	30	54

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