

## ETHERLINE® Cat.5e

Ethernet cable Category 5e, Class D for fixed installation - verified up to 100 MHz

Industrial Ethernet cable Cat.5e for fixed installation  
halogenfree or PUR (AWM-approval) outer sheath material, design 2 or 4 x2xAWG24/1

### Info

Industrial Ethernet cable  
Cat.5e



Supplementary automation components from Lapp



Mechanical and plant engineering



Halogen-free



Mechanical resistance



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

4pair: 10/100/1000 Mbit/s for Industrial Ethernet

Last Update (05.06.2023)

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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

suitable for EtherCAT and EtherNet/IP applications  
Industrial use  
Fixed Installation

### 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  
Halogen-free outer sheath

### Norm references / Approvals

PUR versions: UL AWM Style 21576  
Flame retardant acc. to IEC 60332-1-2  
Halogenfree cables: halogenfree according to IEC 60754-1, IEC 60754-2  
PUR cables: halogenfree acc. to VDE 0472-815

### Product Make-up

Solid conductor  
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 PUR or LSZH  
Colour: water blue (similar to RAL 5021)

### 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: 7.5 x outer diameter Fixed installation: 8 x outer diameter (4 pair cable)
Test voltage:	Core/core: 1000 V Core/screen: 500 V
Characteristic impedance:	nom. 100 Ω acc. to IEC 61156-5
Temperature range:	Fixed installation: -30 °C to +80 °C During installation: -5 °C to +50 °C

### Note

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 ≤ 30 kg or ≤ 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**

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)
2170280	ETHERLINE® H CAT.5e	2 x 2 x AWG24/1	1	5.6	22	45
PUR outer sheath, halogen-free						
2170281	ETHERLINE® P CAT.5e	2 x 2 x AWG24/1	1	5.8	22	45
2170296	ETHERLINE® H CAT.5e	4 x 2 x AWG24/1	1	6.1	32	54
2170298	ETHERLINE® H-H CAT.5e	4 x 2 x AWG24/1	1	6.1 / 8.1	32	80
PUR outer sheath, halogen-free						
2170297	ETHERLINE® P CAT.5e	4 x 2 x AWG24/1	1	6.1	32	62

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