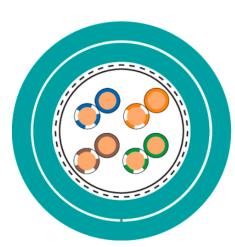


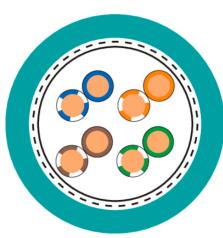
Ethernet cable Category 5e, Class D for fixed installation - verified up to 100 MHz

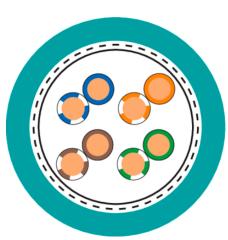
Industrial Ethernet cable Cat.5e for fixed installation halogenfree or PUR (AWM-approval) outer sheath material, design 2 or 4 x2xAWG24/1

### Info

Industrial Ethernet cable Cat.5e











Supplementary automation components from Lapp



Mechanical and plant engineering



Halogen-free



Mechanical resistance



Interference signals

#### Popofito

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 (28.04.2024)

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Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02\_03.16



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.  $100 \Omega$  acc. to IEC 61156-5 Temperature range: Fixed installation:  $-30 \degree C$  to  $+80 \degree C$ 

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

Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum

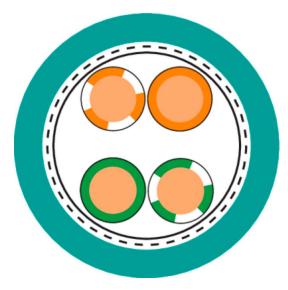
Detailed data sheets are available upon request. Please specify the type/dimensions of the required cable.

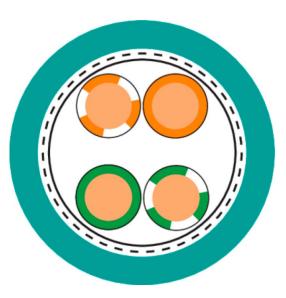
Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Prices are net prices without VAT and surcharges. Sale to business customers only.

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)
			1	-		
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









LAPP KABEL STUTTGART ETHERLINE H-H CAT.Se