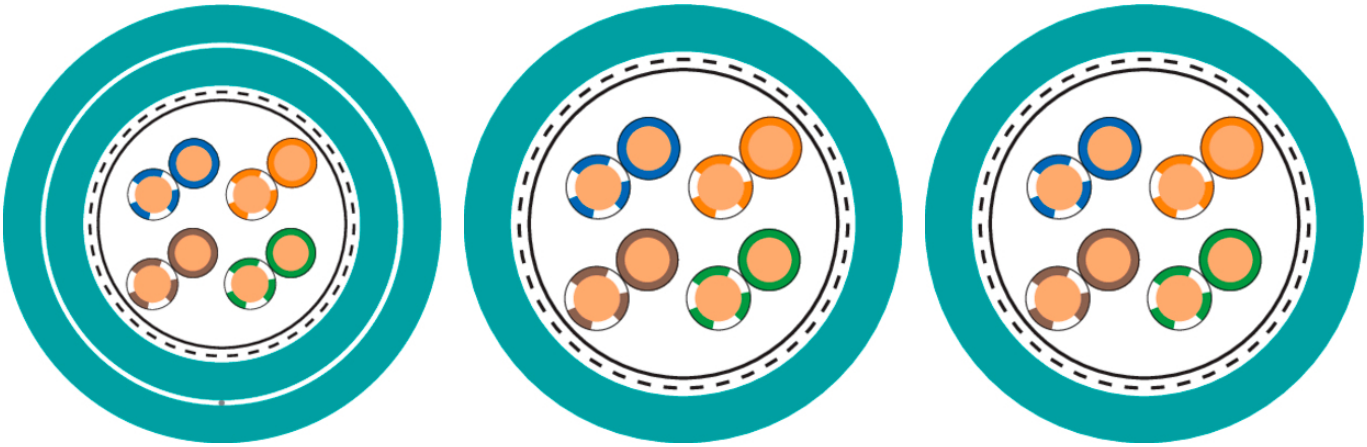
ETHERLINE® Cat.5e

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

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

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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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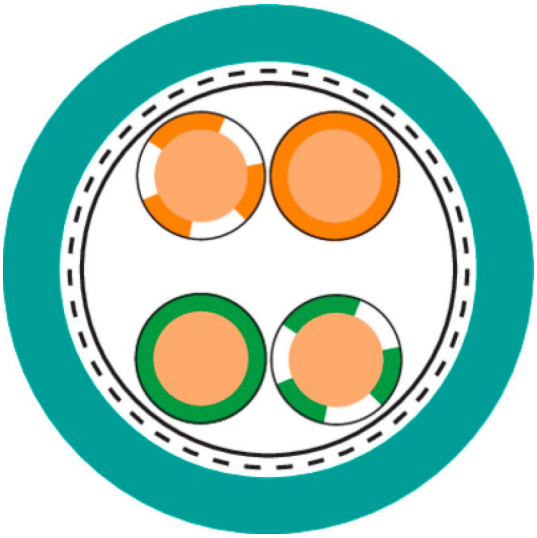

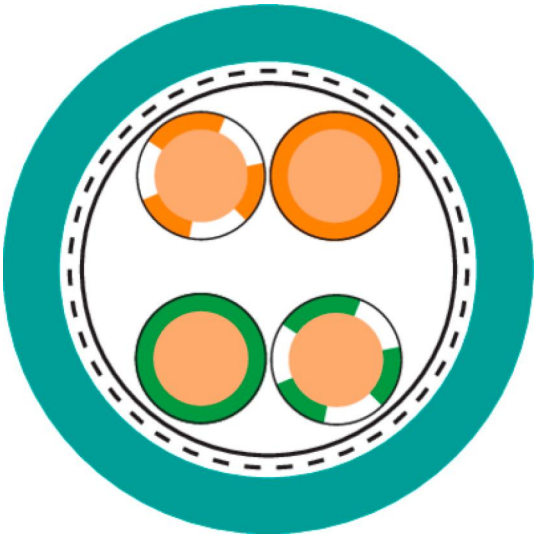





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