

ETHERLINE® Cat.5e

Fixed installation

Industrial Ethernet cable Cat.5e for fixed installation in dry or damp areas, halogen-free versions, PUR with AWM approval design 2/4x2xAWG24/1

Info

Industrial Ethernet cable
Cat.5e



Interference signals



Mechanical resistance



Halogen-free



Industrial machinery and plant engineering



Automation & fältinstallation

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

PUR cables: 1000 V UL- rating for installation next to power cables

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Application range

2pair: 10/100 Mbit/s for Industrial Ethernet
4pair: 10/100/1000 Mbit/s for Industrial Ethernet
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 according to IEC 60332-1-2
Halogen-free according to IEC 60754-1
(amount of halogen acidic gas)
Corrosiveness of combustion gases according to IEC 60754-2 (degree of acidity)

Design

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 (RAL 5021)

Technical Data

Classification:	ETIM 5.0 Class-ID: EC000830 ETIM 5.0 Class-Description: Data cable
Peak operating voltage:	(not for power applications) 125 V
Minimum bending radius:	Fixed installation: 7.5 x outer diameter (2-pair cable) Fixed installation: 8 x outer diameter (4-pair cable)
Test voltage:	Core/Core: 1000 V Core/Shield: 500 V
Characteristic impedance:	100 Ohm \pm 3 %
Temperature range:	Cable with PUR sheath 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, halogen-free outer material Fixed installation: -30°C to +80°C Flexing: -5°C to +60°C

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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: Ring \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 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	Max. outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
2170280	ETHERLINE® H CAT.5e	2 x 2 x AWG24/1	6.1	22	45
PUR outer sheath, halogen-free					
2170281	ETHERLINE® P CAT.5e	2 x 2 x AWG24/1	6.1	22	53
2170296	ETHERLINE® H CAT.5e	4 x 2 x AWG24/1	6.3	32	54
2170298	ETHERLINE® H-H CAT.5e	4 x 2 x AWG24/1	6.3 / 8.3	32	80
PUR outer sheath, halogen-free					
2170297	ETHERLINE® P CAT.5e	4 x 2 x AWG24/1	6.3	32	62

Last Update (22.02.2017)

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Product Management www.lappkabel.deYou can find the current technical data in the corresponding data sheet.
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