

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 possible

Shielded against interference signals

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
4-pair: 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)

Product Make-up

Solid conductor
Core insulation made of foam skin
2- or 4-pair version
SF/UTP: Braid of tin-plated copper wire and laminated aluminium foil as overall shielding
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 Ω ± 15%
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 otherwise specified, the product values shown are nominal values. You can receive further values, such as tolerances, upon request if they are available and have been released for publication.

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging: Ring ≤ 30 kg or ≤ 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	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

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Product Management www.lappkabel.de

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

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