

U.I. Lapp GmbH	PRODUCT INFORMATION	
	ETHERLINE® Cat.5e	12.09.2012

Fixed installation
 Very low installation cost due to the use of Ethernet cables
 Screened against interference



Info

Industrial Ethernet cable
 Cat.5e

Application range

2pair: 10/100 Mbit/s for Industrial Ethernet
 4pair: 10/100/1000 Mbit/s for Industrial Ethernet
 Seamless communication from the sensor/actuator level to the Internet
 Industrial use
 Suitable for fixed installation in dry and damp rooms

Design

Solid conductor
 Core insulation made of foam skin
 SF/UTP: copper braid and foil screening as overall screening
 Outer sheath as either PUR or LSZH
 Colour: water blue (RAL 5021)
 2 or 4-pair version

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 and flame-retardant FRNC outer sheath

Remark

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

Technical Data

Peak operating voltage:	(not for power applications) 125 V
Minimum bending radius:	Fixed installation: see data sheet
Test voltage:	Core/core: 1000 V Core/screen: 500 V
Temperature range:	During installation: -5 °C to +60 °C Operation: see data sheet
Characteristic impedance:	100 Ohm +- 15%

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Part number	Article designation	Number of pairs and AWG per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
2-pair version Halogen-free compound					
2170280	ETHERLINE® H CAT.5e	2 x 2 x AWG24/1	5,8	22.0	45
PUR outer sheath, halogen-free					
2170281	ETHERLINE® P CAT.5e	2 x 2 x AWG24/1	5,8	22.0	53
4-pair version Halogen-free compound					
2170296	ETHERLINE® H CAT.5e	4 x 2 x AWG24/1	6,3	32.0	54
2170298	ETHERLINE® H-H CAT.5e	4 x 2 x AWG24/1	6 / 7,5	32.0	80
Outer sheath: PUR, halogen-free					
2170297	ETHERLINE® P CAT.5e	4 x 2 x AWG24/1	6,3	32.0	62