


U.I. Lapp GmbH	PRODUCT INFORMATION	
		12.09.2012

Highly flexible application

Industrial Ethernet cable Cat.5e for high flexible use; PUR (AWM-approval) outer sheath material, design 2 or 4 x2xAWG26/19



Suitable for outdoor use



Automation



Halogen-free



Mechanical resistance



Power chain



Robust



Interference signals

Info

Industrial Ethernet cable

For highly flexible applications

Application range

2pair: 10/100 Mbit/s for Industrial Ethernet

4pair: 10/100/1000 Mbit/s for Industrial Ethernet

Only for patch cable applications (max. 60 m)

suitable for EtherCAT and EtherNet/IP applications

Power chain applications

Benefits

Very low installation cost due to the use of Ethernet cables


Screened against interference

Seamless communication from the sensor/actuator level to the Internet

Industrial use

Can be used in dry or damp rooms

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Design

Braided conductor, 19-wire
 Inner sheath: thermoplastic elastomer, halogen-free
 Screening: wrapped with braided tinned-copper wires
 PUR outer sheath
 Colour: water blue (RAL 5021)
 2 or 4-pair version

Norm references / Approvals

PUR versions: UL AWM Style 21576

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
 CAT.5e-Performance

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 100 m; Drum (500; 1000) m
 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: 8 x outer diameter Flexing: 15 x outer diameter
Test voltage:	Core/core: 1000 V Core/screen: 500 V
Temperature range:	Flexing: -20 °C to +70 °C Fixed installation: -30 °C to +80 °C
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					
2170289	ETHERLINE® FD P CAT.5e	2 x 2 x AWG26/19	6,1	20.0	48
4-pair version					
2170489	ETHERLINE® FD P CAT.5e	4 x 2 x AWG26/19	6,3	27.0	54