

ETHERLINE® EC FLEX Cat.5e

Flexible use

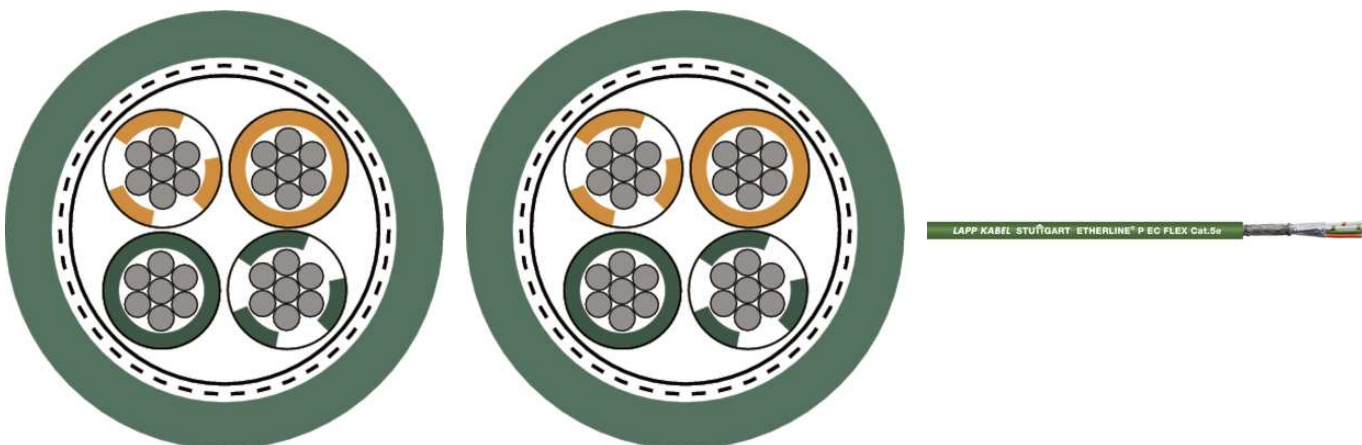
The LAN cable is suitable for Ethernet in demanding industrial environments and features a space-saving design. It can be used in wet and dry premises.

Info

For EtherCAT applications

Cat.5e-Performance

Only for patch cable applications (max. 60 m)



Interference signals



Space requirement



Oil-resistant



Mechanical and plant engineering



Automation & fältinstallation

Benefits

Can be used for Industrial Ethernet in harsh industrial environments

Can be used in dry or damp rooms

Lower space requirement

Last Update (12.02.2018)

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Product Management www.lappkabel.de

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

PN 0456 / 02_03.16

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Application range

suitable for EtherCAT and EtherNet/IP applications
For flexible applications (7-wire stranded conductor)
Many applications with Industrial Ethernet, i.e. fixed installation and flexible use.
For internal wiring of electric and electronic equipment in switch cabinets
Only for patch cable applications (max. 60 m)

Product features

PUR (Polyurethane) Version with increased robustness, UV- resistance and halogen free
Meets the requirements according to Cat. 5e and class D
High-quality, double screening ensures high transmission reliability in areas with electromagnetic interference

Norm references / Approvals

Certification: UL/CSA type CMX in accordance with UL 444 and CSA C22.2 no. 214
Flame-retardant according to UL VW1/CSA FT1

Product Make-up

Stranded tinned 7-wire conductor
Core insulation: PE
insulation colour-codes: orange/white-orange; green/white-green
Star quad
SF/UTP: braid of tinned copper wire and plastic laminated aluminum foil as overall screening
PVC or PUR jacket material
Colour: green (based on RAL 6018)

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:	max. 100 V (not for power applications)
Minimum bending radius:	Fixed installation: 4 x outer diameter Moved: 10 x outer diameter
Characteristic impedance:	100 $\Omega \pm 15\%$
Temperature range:	Cable with PVC jacket Fixed installation: -30°C to +80°C Flexing: -5°C bis +50°C Cable with PUR jacket Fixed installation: -40°C to +80°C Flexing: -30°C to +50°C

Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

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)
PVC outer sheath						
2170430	ETHERLINE® Y EC FLEX Cat.5e	1 x 4 x AWG26/7	1.03	4.8	20	37
PUR outer sheath, halogen-free						
2170431	ETHERLINE® P EC FLEX Cat.5e	1 x 4 x AWG26/7	1.03	4.8	20	35

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ETHERLINE® EC FLEX Cat.5e

LAPP KABEL STUTTGART ETHERLINE® Y EC FLEX Cat.5e