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.
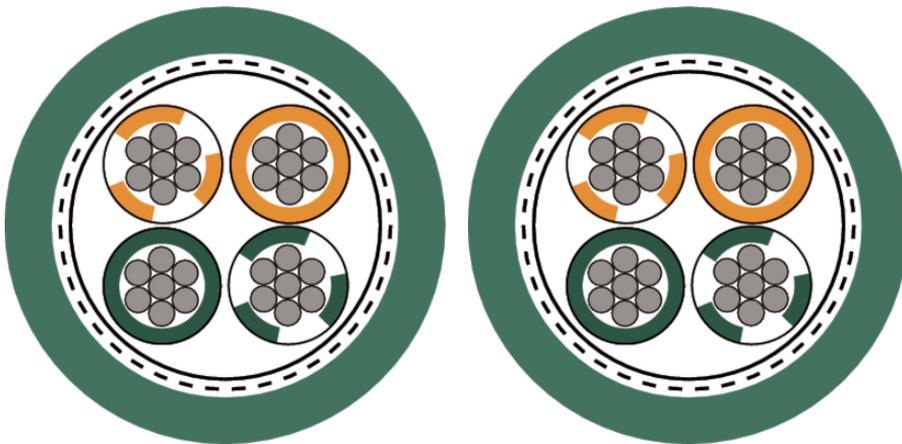
Info
For EtherCAT applications
Cat.5e-Performance
Only for patch cable applications
(max. 60 m)

Supplementary automation components from Lapp

Mechanical and plant engineering

Oil-resistant

Space requirement

Interference signals

Benefits
Can be used for Industrial Ethernet in harsh industrial environments
Can be used in dry or damp rooms
Lower space requirement

Application range
suitable for EtherCAT and EtherNet/IP applications
For flexible applications
(7-wire stranded conductor)

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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
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
	Flexing: 8 x outer diameter
Characteristic impedance:	nom. 100 Ω acc. to IEC 61156-5
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.

Article number	Article designation	Number of pairs and AWG per conductor	Core diameter in mm	Outer diameter mm	J_1NVGW	Weight (kg/km)
PVC outer sheath						
2170430	ETHERLINE® Y EC FLEX Cat.5e	1 x 4 x AWG26/7	1	4.8	20	32
PUR outer sheath, halogen-free						
2170431	ETHERLINE® P EC FLEX Cat.5e	1 x 4 x AWG26/7	1	4.8	20	31

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