ETHERLINE® EC FD Cat.5e

Highly flexible application

The shielded cable is suitable for highly flexible use in demanding industrial environments. It can be used for the internal connection of devices in control cabinets.

Info
For EtherCAT applications
For highly flexible industrial applications
Cat.5e-Performance

Supplementary automation components from Lapp

Mechanical and plant engineering

Halogen-free

Mechanical resistance

Space requirement

Power chain

Robust

UV-resistant

ETHERLINE® EC FD Cat.5e

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 highly flexible applications (power chains, moving machine parts)
Many applications with Industrial Ethernet, e.g. EtherCat, i.e. fixed installation, flexible and highly flexible use
For internal wiring of electric and electronic equipment in switch cabinets
Only for patch cable applications
(max. 60 m)

Product features
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
UL/CSA type CMX in accordance with UL 444 and CSA C22.2 no. 214-02
Flame-retardant according to UL VW1/CSA FT1
Halogen-free according to VDE 0472-815

Product Make-up
Bare stranded copper wire, 26AWG (19 x 0.10), (0.14 mm²)
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
Outer sheath: PUR compound, halogen-free
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: 16 x outer diameter
Characteristic impedance:	nom. 100 Ω acc. to IEC 61156-5
Temperature range:	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	Copper index (kg/km)	Weight (kg/km)
2170433	ETHERLINE® P EC FD Cat.5e	1 x 4 x AWG26/19	1	4.8	20	36