

# PRODUCT INFORMATION

LAPP KABEL STUTIGART ETHERLINE® P EC FLEX Cat.5e

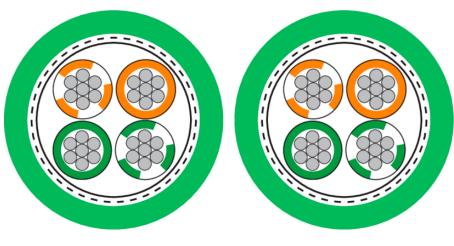
# ETHERLINE® EC FLEX Cat.5e

### 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)







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)

Last Update (23.04.2024) ©2024 Lapp Group - Technical changes reserved Product Management www.lappkabel.de You can find the current technical data in the corresponding data sheet. PN 0456 / 02\_03.16



### PRODUCT INFORMATION

# ETHERLINE® EC FLEX Cat.5e

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 $\Omega$ 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.

st Update (23.04	Article number	0	Number of pairs and AWG per conductor	Core diameter in mm	Outer diameter mm	Copper index (kg/km)	Weight (kg/km)	
	PVC outer sheath							
		ETHERLINE® Y EC FLEX Cat.5e	1 x 4 x AWG26/7	1	4.8	20	32	
	PUR outer sheath, halogen-free							
.2024)		ETHERLINE® P EC FLEX Cat.5e	1 x 4 x AWG26/7	1	4.8	20	31	



## ETHERLINE® EC FLEX Cat.5e

LAPP KABEL STUTTGART ETHERLINE" Y EC FLEX Cat.50