



New

ETHERLINE® EC FLEX Cat.5e

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

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



Info

- For EtherCat applications

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)
- Many applications with Industrial Ethernet, i.e. fixed installation and flexible use.
- For internal wiring of electric and electronic equipment in switch cabinets

Product features

- PUR (Polyurethane) Version with increased robustness, UV- resistance and halogen free
- Meets the requirements according to CAT.5e, ISO/IEC 11801 and EN 50173, Class D
- High-quality, double screening ensures high transmission reliability in areas with electromagnetic interference
- CAT.5-Performance

Norm references / Approvals

- Approval: UL/CSA type CMX in accordance with UL 444 and CSA C22.2 no. 214-02

Product make-up

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

Technical data

- Peak operating voltage**
max. 100 V (not for power applications)
- Minimum bending radius**
Fixed installation: 4 x outer diameter
Flexing: 8 x outer diameter
- Temperature range**
fixed installation
PVC: -30°C to +80°C
PUR: -40°C to +80°C
Flexing
PVC: -5°C to +50°C
PUR: -30°C to +50°C
- Characteristic impedance**
100 Ohm +/- 15%

Article number	Article designation	Number of pairs and AWG per conductor	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	5.0	20.0	35
Outer sheath: PUR, halogen-free					
2170431	ETHERLINE® P EC FLEX Cat.5e	1 x 4 x AWG26/7	5.0	20.0	37

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- Field mountable S/A connectors M8 refer to page 360
- Field-Terminable Connector RJ45 CAT.5e FM45 refer to page 436
- Connector RJ45 Cat.5e for Profinet refer to page 423
- BUS M12 connectors that can be assembled