New

ETHERLINE® EC FD Cat.5e

Info

- **For EtherCat applications**
- **For highly flexible industrial 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 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

Product features

- PUR outer sheath, 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

- 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
- Outer sheath: PUR compound, halogen-free
- Colour: green (based on RAL 6018)

Technical data

Minimum bending radius
Fixed installation: 4 x Outer diameter
Flexing: 8 x outer diameter

Temperature range
Fixed installation: -40°C to +80°C
Flexing: -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)
2170432	ETHERLINE® P EC FD Cat.5e	1 x 4 x AWG26/7	5.0	20.0	35

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
- BUS M12 connectors that can be assembled