



## ETHERLINE® Cat.5e FD

Highly flexible application

LAPP KABEL STUTTGART ETHERLINE® FD P Cat.5e 2x2xAWG26/19



Info

- Industrial Ethernet cable
- For highly flexible applications

### Benefits

- Very low installation cost due to the use of Ethernet cables
- Screened against interference
- Seamless communication from the sensor/actuator level to the Internet
- Industrial use
- Can be used in dry or damp rooms

### Application range

- 2pair: 10/100 Mbit/s for Industrial Ethernet
- 4pair: 10/100/1000 Mbit/s for Industrial Ethernet
- Only for patch cable applications (max. 60 m)
- Suitable for EtherCAT and EtherNet/IP applications
- Power chain applications

### Product features

- High-quality, double screening ensures high transmission reliability in areas with electromagnetic interference
- PUR outer sheath is highly resistant to mineral oils and abrasion
- Halogen-free outer sheath
- CAT.5e-Performance

### Norm references / Approvals

- PUR versions: UL AWM Style 21576

### Product make-up

- Braided conductor, 19-wire
- Inner sheath: thermoplastic elastomer, halogen-free
- Screening: wrapped with braided tinned-copper wires
- PUR outer sheath
- Colour: water blue (RAL 5021)
- 2 or 4-pair version

### Technical data



**Peak operating voltage**  
(not for power applications) 125 V



**Minimum bending radius**  
Fixed installation: 8 x outer diameter  
Flexing: 15 x outer diameter



**Test voltage**  
Core/core: 1000 V  
Core/screen: 500 V



**Temperature range**  
Flexing: -20 °C to +70 °C  
Fixed installation:  
-30 °C to +80 °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)
<b>2-pair version</b>					
2170289	ETHERLINE® FD P CAT.5e	2 x 2 x AWG26/19	6.1	20.0	48
<b>4-pair version</b>					
2170489	ETHERLINE® FD P CAT.5e	4 x 2 x AWG26/19	6.3	27.0	54

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

Packaging size: Coil 100 m; Drum (500; 1000) m

Detailed data sheets are available upon request. Please specify the type/dimensions of the required cable.

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

### Accessories

- Field-Terminable Connector RJ45 CAT.5e FM45 refer to page 436
- Connector RJ45 CAT.6 Hirose TM21 refer to page 436
- Connector RJ45 Cat.6A FM for FD-cables refer to page 424
- Connector industry RJ45 Cat.6A 10 IP68 refer to page 424
- SMART STRIP stripping tool refer to page 911
- DATA STRIP stripping tool refer to page 911