# ETHERLINE® Cat.5e FD

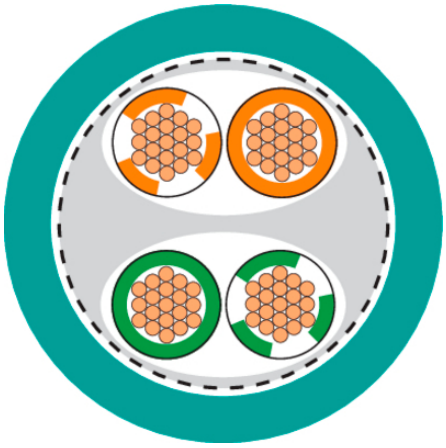
Ethernet cable Category 5e, Class D for use in drag chain applications - verified up to 100 MHz

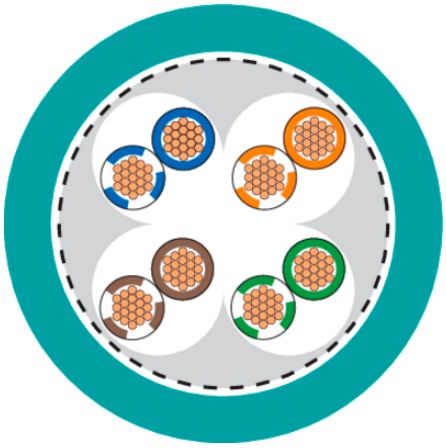
Industrial Ethernet cable Cat.5e for high flexible use
PUR (AWM-approval) outer sheath material, design 2 or 4 x2xAWG26/19

## Info

Industrial Ethernet cable
For highly flexible applications
Only for patch cable applications
(max. 60 m)





- Supplementary automation components from Lapp
- Suitable for outdoor use
- Halogen-free
- Mechanical resistance
- Power chain
- Robust
- Interference signals

## Benefits

Seamless communication from the sensor/actuator level to the Internet
Screened against interference
Can be used in dry or damp rooms

Last Update (21.12.2023)
©2023 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

# ETHERLINE® Cat.5e FD

Industrial use
cables with PUR jacket: 1000 V UL- rating for installation next to power cables

## 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

Premium screening against electromagnetic interference
Halogen-free outer sheath
cables with PUR jacket: 1000 V UL- rating for installation next to power cables

## Norm references / Approvals

UL AWM Style 21576
Flame-retardant according IEC 60332-1-2
Halogen-free according to VDE 0472-815

## Product Make-up

Bare stranded copper wire, 26AWG (19 x 0.10), (0.14 $mm^2$)
Inner sheath: thermoplastic elastomer, halogen-free
2 or 4-pair version
Screening: wrapped with braided tinned-copper wires
PUR outer sheath
Colour: water blue (similar to RAL 5021)

## Technical Data

| | |
|---|---|
| Classification ETIM 5: | ETIM 5.0 Class-ID: EC000830<br>ETIM 5.0 Class-Description: Data cable |
| Classification ETIM 6: | ETIM 6.0 Class-ID: EC000830<br>ETIM 6.0 Class-Description: Data cable |
| Peak operating voltage: | (not for power applications) 125 V |
| Minimum bending radius: | Fixed installation: 8 x outer diameter<br>Flexing: 15 x outer diameter |
| Test voltage: | Core/core: 1000 V<br>Core/screen: 500 V |
| Characteristic impedance: | nom. 100 Ω acc. to IEC 61156-5 |
| Temperature range: | Fixed installation: VDE -30 °C to +80 °C; UL/CSA -30 °C to +80 °C<br>Flexing: VDE -5 °C to +50 °C; UL/CSA -5 °C to +80 °C |

## Note

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

Last Update (21.12.2023)
©2023 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

# ETHERLINE® Cat.5e FD

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.

Last Update (21.12.2023)
©2023 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

LAPP

# ETHERLINE® Cat.5e FD

PRODUCT INFORMATION

| 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) |
|---|---|---|---|---|---|---|
| 2-pair version | | | | | | |
| 2170289 | ETHERLINE® FD P CAT.5e | 2 x 2 x AWG26/19 | 1 | 5.9 | 20 | 48 |
| 4-pair version | | | | | | |
| 2170489 | ETHERLINE® FD P CAT.5e | 4 x 2 x AWG26/19 | 1 | 6.3 | 27 | 56 |


©2023 Lapp Group - Technical changes reserved