

## ETHERLINE® FESTOON PN Cat.5e

Ethernet cable for Category 5e, Class D for Festoon applications - verified up to 100 MHz

Industrial Ethernet cable Cat.5e for highly flexible use in Festoon applications, for PROFINET-applications Type C design 2x2xAWG22/7

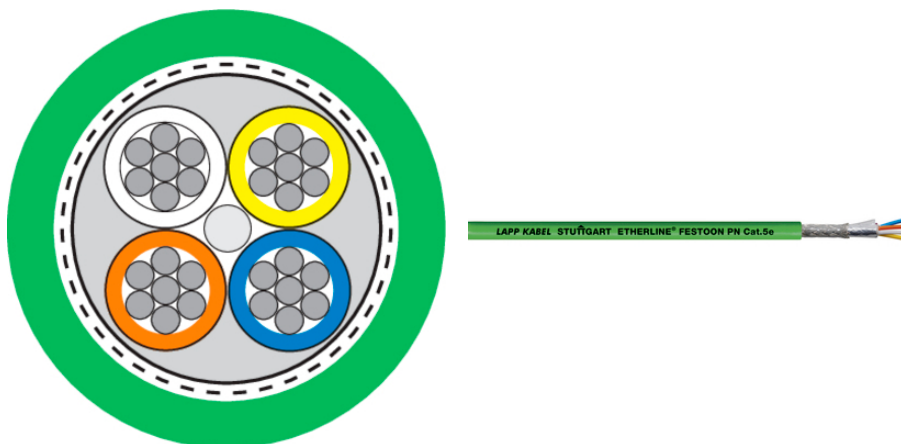
UL-approved

### Info

Fast and easy cable preparation by FC inner sheath

For PROFINET applications

CAT.5-Performance



Supplementary automation components from Lapp



Mechanical and plant engineering



Flame-retardant



Mechanical resistance



Assembly time



Oil-resistant



Interference signals



UV-resistant

Last Update (28.04.2024)

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02\_03.16

## ETHERLINE® FESTOON PN Cat.5e

### Benefits

Can be used in dry or damp rooms  
Screened against interference  
Can be used for Industrial Ethernet in harsh industrial environments  
2pair: 10/100 Mbit/s for Industrial Ethernet

### Application range

For conveying systems and cable trolleys  
Power chain applications  
Wiring of machines, tools, devices, appliances and control cabinets  
max. cable length for 100 Mbit/s is 85 m  
suitable for EtherCAT and EtherNet/IP applications

### Product features

Cat.5e-Performance  
Optimized cable construction for use in Festoon applications  
Fast Connect (FC) cable design  
The oil-resistant PVC sheath enables usage in industrial environments

### Norm references / Approvals

The cable is UL/CSA-certified (CMG)  
UL AWM Style 21694  
High flame retardance acc. to IEC 60332-3-24 and CSA FT4

### Product Make-up

Fine-wire strand made of tinned-copper wires  
Star quad  
Colour-coded in accordance with PROFINET for Cat.5e applications  
Inner sheath: PVC  
Overall screening with copper braid and plastic-laminated aluminium foil  
PVC outer sheath  
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 5.0/6.0 Class-ID: EC000830 ETIM 5.0/6.0 Class-Description: Data cable
Peak operating voltage:	(not for power applications) 125 V
Minimum bending radius:	Moved: 10 x outer diameter Fixed installation: 4 x outer diameter
Test voltage:	Core/core: 2000 V Core/screen: 2000 V
Characteristic impedance:	nom. 100 $\Omega$ acc. to IEC 61156-6
Temperature range:	Fixed installation: -40°C to +80°C Flexing: -10°C to +70°C

### Note

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

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## ETHERLINE® FESTOON PN Cat.5e

request.

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

Packaging size: coil  $\leq 30$  kg or  $\leq 250$  m, otherwise drum

PROFINET® is a registered trademark of the PNO (PROFIBUS user organisation)

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.

UL certifications can be found in the data sheet.

**ETHERLINE® FESTOON PN Cat.5e**

Article number	Article designation	Number of pairs and AWG per conductor	Core diameter in mm	Outer diameter mm	Copper index (kg/km)
2170936	ETHERLINE® FESTOON PN Cat.5e	2x2xAWG22/7	1	6.5	32