

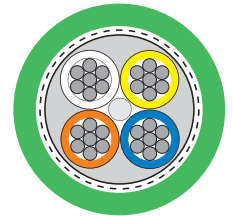


**ETHERLINE® FESTOON PN Cat.5e**

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

**Info**

- Fast and easy cable preparation by FC inner sheath
- For PROFINET applications



**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
- High flame retardance acc. to IEC 60332-3-24 and FT4

**Norm references / Approvals**

- The cable is UL/CSA-certified (CMG)
- UL AWM Style 21694

**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**

- 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 Ω acc. to IEC 61156-6
- Temperature range**  
Fixed installation: -40°C to +80°C  
Flexing: -10°C to +70°C

Article number	Article designation	Number of pairs and AWG per conductor	Core diameter in mm	Outer diameter [mm]
ETHERLINE® FESTOON PN Cat.5e				
2170936	ETHERLINE® FESTOON PN Cat.5e	2x2xAWG22/7	1.55	6.5

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.  
 Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.  
 Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)  
 Packaging size: coil ≤ 30 kg or ≤ 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.  
 UL certifications can be found in the data sheet.

**Accessories**

- EPIC® DATA PN AX RJ45 refer to page 458
- EPIC® DATA PN 90 RJ45 refer to page 458
- EPIC® DATA AX RJ45 Cat.6<sub>A</sub> IP68 refer to page 460
- EPIC® DATA M12D refer to page 462
- KNIPEX Elektronik Super Knips® refer to page 983
- FC STRIP stripping tool refer to page 986