

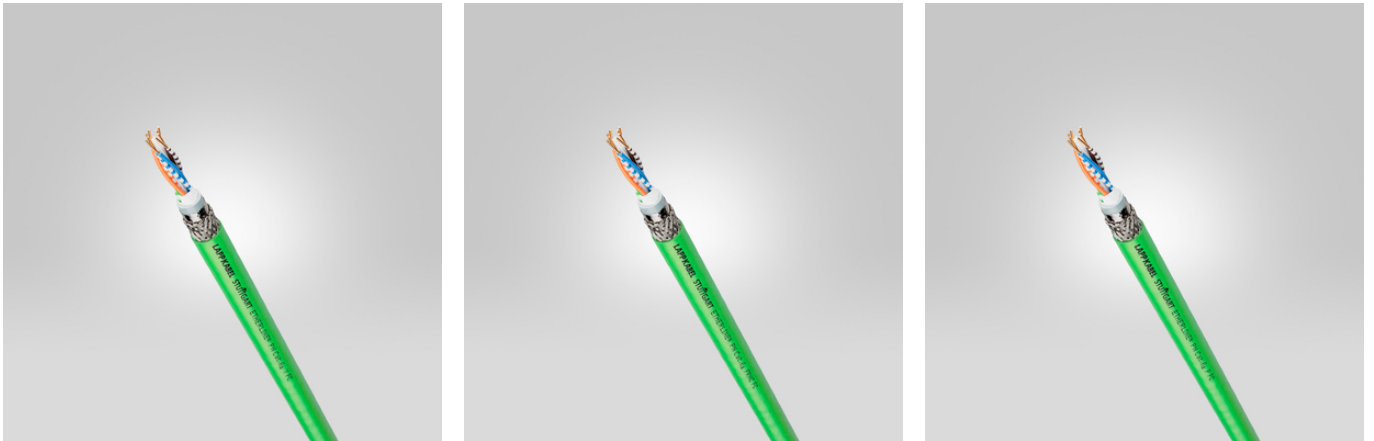
ETHERLINE® PN Cat.6A FC

Ethernet cable Category 6_A, Class E_A for fixed installation with FC inner sheath - verified up to 500 MHz

Industrial Ethernet cable Cat.6_A for fixed installation with FC inner sheath halogenfree, PVC or PUR outer sheath, design 4x2xAWG23/1

Info

Fast and easy cable preparation by FC inner sheath
For PROFINET applications with 4 pairs
CAT.6_A qualified for 10Gbit/s



Supplementary automation components from Lapp



Mechanical and plant engineering



Flame-retardant



Mechanical resistance



Assembly time



Interference signals



UV-resistant

Benefits

Can be used in dry or damp rooms
Screened against interference
Can be used for Industrial Ethernet in harsh industrial environments
4pair: 100Mbit/s up to 10 Gbit/s for Industrial Ethernet

Last Update (13.12.2022)

©2022 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® PN Cat.6A FC

Application range

for industrial secondary and tertiary cabling according to EN 50173-3
ISO/IEC 24702

Wiring of machines, tools, devices, appliances and control cabinets
suitable for EtherCAT and EtherNet/IP applications

Product features

The oil-resistant PVC sheath enables usage in industrial environments

Robust, halogen-free FRNC outer sheath

PUR outer sheath is highly resistant to mineral oils and abrasion

High-quality, double screening ensures high transmission reliability in areas with electromagnetic interference

Norm references / Approvals

UL approvals see data sheet

Flame retardant acc. to IEC 60332-1-2

Product Make-up

Solid bare copper wire AWG23

Core insulation made of polyethylene (PE)

SF/UTP: braid of tinned copper wire and plastic laminated aluminum foil as overall screening, 2 cores stranded to pair, 4 pairs
stranded to bundle with central cross

Inner sheath: halogen-free compound

Colour: green (based on RAL 6018)

Technical Data

| | |
|---------------------------|---|
| Classification: | 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: | Fixed installation: 8 x outer diameter |
| Test voltage: | see data sheet |
| Characteristic impedance: | nom. 100 Ω acc. to IEC 61156-5 |
| Temperature range: | See data sheet |

Note

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

Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum

Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).

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

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.

ETHERLINE® PN Cat.6A FC

| 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) |
|--------------------------------|--|---------------------------------------|---------------------|-------------------|----------------------|----------------|
| PVC jacket | | | | | | |
| 2170583 | ETHERLINE® PN CAT.6 _A Y FC | 4x2xAWG23/1 | 1.1 | 8.7 | 53 | 98 |
| Halogen-free jacket | | | | | | |
| 2170584 | ETHERLINE® PN CAT.6 _A FRNC FC | 4x2xAWG23/1 | 1.1 | 8.7 | 53 | 91 |
| PUR outer sheath, halogen-free | | | | | | |
| 2170585 | ETHERLINE® PN CAT.6 _A P FC | 4x2xAWG23/1 | 1.1 | 8.7 | 53 | 99 |

Last Update (13.12.2022)

©2022 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® PN Cat.6A FC

