

# ETHERLINE® PN Cat.5 FLEX

Flexible use

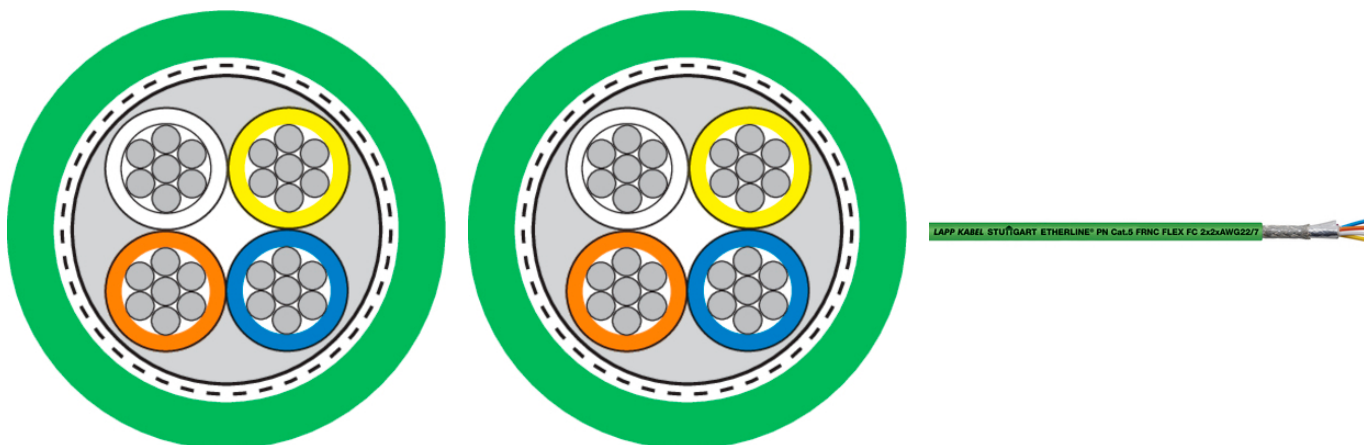
Industrial Ethernet cable Cat.5 for flexible use, for PROFINET- application Type B, design 2x2xAWG22/7  
PVC or FRNC outer jacket, UL- approval

## Info

CPR: Article number choice under [www.lappkabel.com/cpr](http://www.lappkabel.com/cpr)

For Profinet applications

Flexible use



Supplementary automation components from Lapp



Mechanical and plant engineering



Suitable for outdoor use



Flame-retardant



Interference signals



UV-resistant

## Benefits

For PROFINET applications type B

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

Last Update (21.12.2023)

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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® PN Cat.5 FLEX

### 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  
For flexible applications  
(7-wire stranded conductor)

### Product features

Flame-retardant according to CSA FT4  
UL Vertical-Tray Flame Test  
CAT.5-Performance  
FRNC Version: Halogene free and flame retardant  
Fast Connect (FC) cable design

### Norm references / Approvals

The cable is UL/CSA-certified (CMG)  
ETHERLINE® PN Cat.5 Y FLEX FC: ECOLAB®  
Industry standard for innovation and efficiency in the field of professional cleaning and disinfection

### Product Make-up

Stranded tinned 7-wire conductor  
Core insulation: PE or PP  
Star quad  
Inner sheath made of PVC or FRNC  
Overall screening with copper braid and plastic-laminated aluminium foil  
PVC or FRNC jacket material  
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 6.0 Class-ID: EC000830 ETIM 6.0 Class-Description: Data cable
Peak operating voltage:	(not for power applications) 125 V
Minimum bending radius:	FRNC cable: fixed: 4 x outer diameter during installation: 8 x outer diameter PVC cable: Fixed installation: 3 x outer diameter Flexing: 7 x outer diameter
Test voltage:	Core/core: 2000 V Core/screen: 2000 V
Characteristic impedance:	100 $\Omega$ $\pm$ 15%
Temperature range:	cable halogenfree compound Fixed installation: -25 °C to +80 °C Moved: -25 °C to +80 °C cable with PVC jacket Fixed installation: -40 °C to +80 °C Moved: -20 °C to +60 °C

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### 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](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.

**ETHERLINE® PN Cat.5 FLEX**

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						
2170886	ETHERLINE® PN Cat.5 Y FLEX FC	2 x 2 x AWG22/7	1.5	6.5	31.3	67
FRNC outer sheath						
2170890	ETHERLINE® PN Cat.5e FRNC FLEX FC	2 x 2 x AWG22/7	1.5	6.5	31.2	65

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