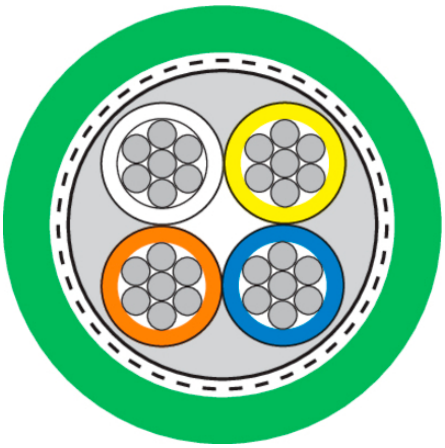
ETHERLINE® PN Cat.5 FLEX

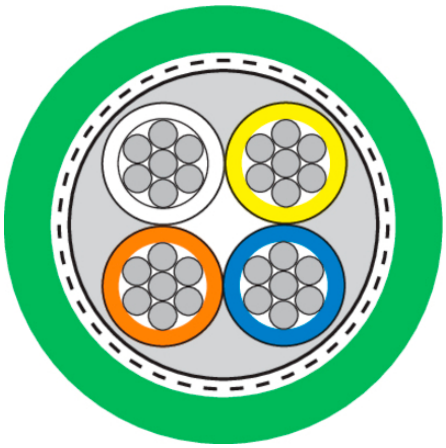
Flexible use

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
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

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You can find the current technical data in the corresponding data sheet.
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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 professionllen 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 Ω ± 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
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.
Prices are net prices without VAT and surcharges. Sale to business customers only.

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ETHERLINE® PN Cat.5 FLEX

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

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