

## ETHERLINE® MARINE FRNC FC CAT.5

Flexible application

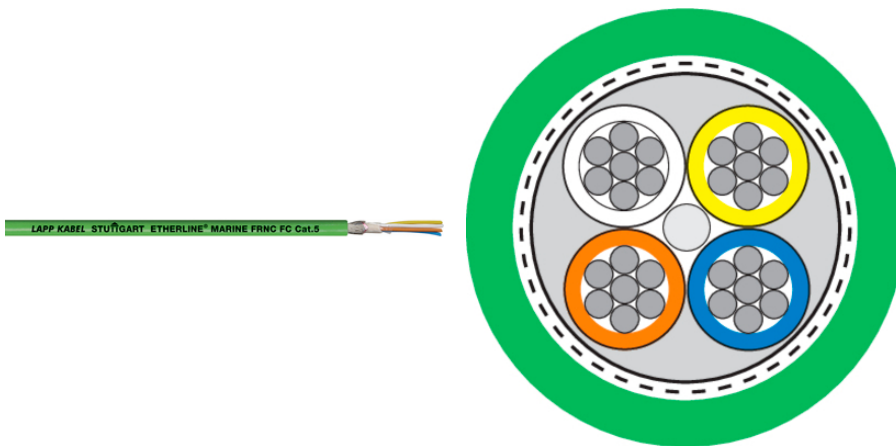
Industrial Ethernet cable Cat.5 for flexible use, FRNC outer sheath material, with GL and DNV approval, for PROFINET-application up to 100 Mbit

### Info

Certified for maritime applications

Flexible use in conjunction with light mechanical stress

CAT.5-Performance



Supplementary automation components from Lapp



Flame-retardant



Halogen-free



UV-resistant

### Benefits

Can be used for Industrial Ethernet in harsh industrial environments

For use in dry, damp and wet rooms

Premium screening against electromagnetic interference

2pair: 10/100 Mbit/s for Industrial Ethernet

### Application range

Shipbuilding

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

Onshore and offshore applications

Last Update (05.06.2023)

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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® MARINE FRNC FC CAT.5

max. cable length für 100 Mbit/s is 85 m

### Product features

Fast Connect (FC) cable design

### Norm references / Approvals

UL/CSA CM-Listing

c(UL)us Typ PLTC acc. to UL 13

Flame retardancy in accordance with IEC 60332-3

### Product Make-up

Fine-wire strand made of tinned-copper wires

Colour-coded in accordance with PROFINET for Cat.5e applications

Star quad

Inner sheath: thermoplastic copolymer (FRNC)

SF/UTP: braid of tinned copper wire and plastic laminated aluminum foil as overall screening

Halogen-free and flame-retardant FRNC 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 6.0 Class-ID: EC000830 ETIM 6.0 Class-Description: Data cable
Peak operating voltage:	(not for power applications) 125 V
Minimum bending radius:	Fixed installation: 3 x outer diameter Flexing: 7.5 x outer diameter
Characteristic impedance:	nom. 100 $\Omega$ acc. to IEC 61156-5
Temperature range:	Operating temperature: -25 °C to +70 °C During installation: 0 °C to +50 °C

### Note

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

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® MARINE FRNC FC CAT.5**

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)
2170889	ETHERLINE® MARINE FRNC FC CAT.5	2 x 2 x AWG22/7	1.5	6.5	32	68

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