ETHERLINE® MARINE FRNC FC CAT.5

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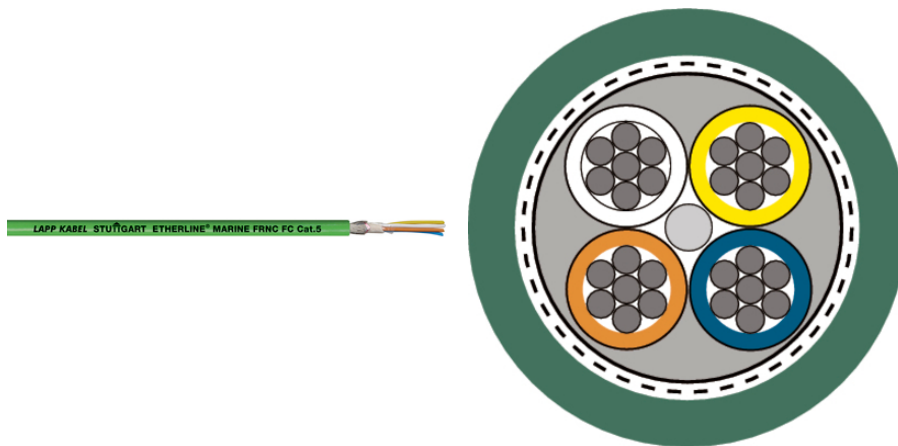
Industrial Ethernet cable Cat.5 for flexible use, FRNC outer sheath material, with GL and DNV approval, for PROFINET-application up to 100 Mbit

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

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Product features
Fast Connect (FC) cable design

Norm references / Approvals
CMG UL/CSA certification 75°C or PLTC, Sun Res
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.5 apllications
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 Ω 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.

LAPP

Article number	Article designation	Number of pairs and AWG per conductor	Core diameter in mm	Outer diameter mm	J_1NVGW	Weight (kg/km)
2170889	ETHERLINE® MARINE FRNC FC CAT.5	2 x 2 x AWG22/7	1.5	6.5	32	68