



# LanMarin® Cat 5E

S/FTP Flexible  
SHF1  
DNV-GL



sales@fscables.com

## Application

LAN cable, designed for ship- and offshore applications. Fire retardant.

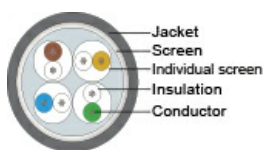


## Construction

Conductor	0.22 [mm <sup>2</sup> ] Stranded Plain Cu AWG 24 (7x0.20mm)
Insulation	Solid PE Ø=1,4 [mm]
No. of pairs	4
Colour code	IEC 60189-2
Individual Screen pairs	Al-/polyester tape
Overall Screen	Tinned Cu-braid
Jacket	Grey SHF1
Outer diam	7,7 [mm]
Weight	68 [kg/km]

Jacket marking

NEK Kabel (week/year) LanMarin Cat 5e S/FTP 4 PAIRS AWG24/7 - DNV-TK



## Specifications

Operating temperature	-40 – +90 [°C]
Temperature @ installation	-15 – +50 [°C]
Characteristic impedance	100 ± 5 Ω
Conductor resistance	88 [Ω/km]
Insulation resistance	≥ 500 [MΩ x km]
Capacitance	52 [pF/m]
Min. bending radius	10 [x outer diam]

## Norms

Halogenfree, max content corrosive and toxic gases	IEC 60754-1 862
Design and testing standards	IEC 61156-6
Sheathing material	IEC 60092-360 (359)
Flame retardant	IEC 60332-1
Fire retardant	IEC 60332-3-22 Cat.A
Smoke emission	IEC 61034-1, -2
UV-resistant	ASTM D 2565 92A
Certification	DNV-GL

**RoHS** ✓ **CE**

Part No. 1089606

Frequency (MHz)	Attenuation Max. (dB/100m)	NEXT (dB)	Return loss (dB/100m)
1	2	98.7	63,8
4	3.9	103.6	51,8
10	6.2	104.8	43,8
16	7.9	103.4	39,7
20	8.9	100	37,8
31.25	11.3	98.6	33,9
62.5	16.1	98.8	27,9
100	20.2	102	23,8

Date	Rev.	Description
Sept. 2016	1	Improved electrical data