

LanMarin® Cat 5E MUD

S/FTP Flexible

MUD Resistant Jacket, SHF2

UV Resistant

DNV-GL

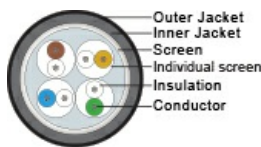
Application

LAN cable designed for ship- and offshore applications.



Construction

Conductor	0.22 [mm ²] Stranded Plain Cu AWG 24 (7x0.20mm)
Insulation	Solid PE 1,4 [mm]
No. of pairs	4
Colour code	IEC 60189-2
Individual Screen pairs	Al-/polyester tape
Overall Screen	Tinned Cu-braid
Inner jacket	SHF1 8.2 [mm]
Jacket	Black SHF2
O.D.	10.2 [mm]
Weight	98 [kg/km]
Jacket marking	NEK Kabel - LanMarin Cat 5e S/FTP 4 x2 x AWG24/7 - MUD IEC 60332-3-22 DNV-TK- DD/MM/YY - Metermarking



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	43

Norms

Halogenfree, max content corrosive and toxic gases	IEC 60754-1, 2
Design and testing standards	DNV TAP 6-800 App.A;827.50-2 IEC 61156-5
Sheathing material	IEC 60092-360 (359)
Flame retardant	IEC 60332-1-2
Fire retardant	IEC 60332-3-22 Cat.A
Ozone resistant	IEC 60811-2-1
Oil and fuel, hydrocarbons resistant	IEC 60811-3-1
Smoke emission	IEC 61034-1, -2
MUD resistant	NEK TS 606 F5
UV-resistant	ASTM G 154
Certification	DNV-GL
Part No.	1089607



Attenuation

Frequency (MHz)	Attenuation Max. (dB/100m)	Return Loss (dB/100m)	NEXT (dB/100m)	PS-NEXT (dB/100m)	ELFEXT (dB(100m))
1	3.2	23	65.3		63.8
4	6	24.1	56.3		51.8
10	9.5	25	50.3		43.8
16	12.1	25	47.2		39.7
20	13.6	25	45.8		37.9
31.3	17.1	23.6	42.9		33.9
62.5	24.8	21.5	38.4		27.9
100	32	20.1	35.3		23.8