

LanMarin® Cat 7 MUD

S/FTP Flexible
UV resistant
SHF2
DNV-GL, ABS

Application

LAN cable designed and tested for ship- and offshore applications. In-door/out-door installation. Resistant to chemicals, MUD, UV radiation and harsh weather conditions. Flame retardant. An extra inner sheath provides additional fire protection. Tested for class F-link high frequencies transmission.



Construction

Conductor	0.28 [mm ²] Stranded Plain Cu AWG 23/7
Insulation	Cellular PE Ø = 1,55 [mm]
No. of pairs	4
Colour code	IEC 60189-2
Individual Screen pairs	Al-/polyester tape
Screen	Tinned Cu-braid
Fire resistant barrier	Fire barriere tape
Jacket	Black SHF2
O.D.	10 ± 0.2 [mm]
Weight	120 [kg/km]



Specifications

Operating temperature	-40 to +80 [°C]
Characteristic impedance	100 ± 5 [Ω]
Insulation resistance	≥ 500 [MΩ x km]
Test voltage	1 [kV-1min.]
Min. bending radius installed	31 [mm]

Norms

Halogenfree, max content corrosive and toxic gases	IEC 60754-2
Design and testing standards	DNV TAP 6-800 App.A;827.50-2 IEC 61156-5 EN 50288-4-2 IEC 60092-350
Fire retardant	IEC 60332-3-22 Cat.A
Weather resistant	IEC 60502
Oil and fuel, hydrocarbons resistant	IEC 60811-3-1
MUD resistant	NEK TS 606
UV-resistant	ASTM G 154 ASTM D 4587 ASTM D 2565 92A
Certification	DNV-GL, ABS

Part No.

1089699



Frequency (MHz)	Attenuation Max.(acc.EN) (dB/100m)	NEXT (dB/100m)	ACR (dB/100m)
1	2,2	100	35
4	3,8	100	31
10	5,9	95	38
16	7,4	90	32
20	8,4	90	32
31,25	10,5	90	31
62,5	15,3	85	27
100	18,1	82	34
155	23,2	80	28
200	26,6	77	25
300	33,3	71	23
600	50,1	67	21

Updated

Date	Rev.	Description
24.04.2018	1	Name change from SSTP to S/FTP