



LanMarin® Cat 3 Arctic Grade ARM MUD

U/FTP

SHF2 UV resistant

Fire resistant

Application

Offshore communication cable for extreme climate. Operational in a fire situation. Tested for cold bend and impact. Meets requirements of the EU EMC directive.

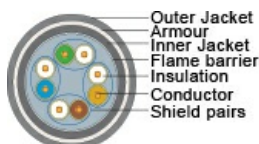


Construction

Conductor	Solid Plain Cu 0.5 [mm]
Fire barrier each conductor	Mica tape
Insulation	Solid PE 1.1 [mm]
No. of pairs	4
Colour code	IEC 60189-2
Individual Screen pairs	Al/Mylar tape
Screen	Fire barriere mica tape
Armour	Corrugated steel tape
Outer Jacket	Grey MUD resistant
O.D.	14.2 [mm]
Weight	210 [kg/km]

Jacket marking

NEK KABEL - ARMoured TELEPHONE CABLE Cat 3 4x2x0.5mm - SHF2 MUD RESISTANT FIRE RESISTANT - DD/MM/YY



Specifications

Operating temperature	-40 - +70 [°C]
Characteristic impedance	100±15 [Ω]
Caracteristic Impedance @ 1MHz	100 [Ω±10%]
Conductor resistance	<96 [Ω/km]
Insulation resistance	>1 [GΩ x km]
Test voltage	1 [kV-DC 1 min.]
Capacitance	50 [pF/km] at 800 - 1000 Hz
Velocity factor	67%
Min. bending radius	15 [x outer diam]



Norms

Halogenfree, max content corrosive and toxic gases	IEC 60754-1, 2
Sheathing material	IEC 60092-360 (359)
Cold bend and impact	CSA C22.2 (-40°C)
Flame retardant	IEC 60332-1
Fire resistant	IEC 60331-23
Weather resistant	IEC 60502
Ozone resistant	DIN VDE 0472 part 805B
Smoke emission	IEC 61034-2
MUD resistant	NEK TS 606 F5
UV-resistant	ASTM D 2565 92A
Part No.	1089612

Frequency (MHz)	Attenuation Max.(acc.EN) (dB/100m)	NEXT (dB/100m)
1	2.6	41
4	5.6	32.3
10	9.7	26.3
16	13.1	23.2

