

# RG 6 AU Marine MUD

75Ω

Super-screened

SHF2, MUD resistant sheath

DNV-GL

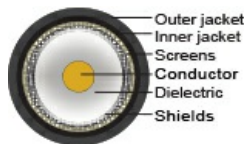
## Application

Robust long life coaxial cable designed for ship- and offshore environments. Electrical data in compliance with MIL C-17. The aluminum tape, together with one copper braided screen and one silver coated copper braided screen, provides super-screening effectiveness. RG 6 AU Marine cannot be replaced by other Type RG 6 products.



## Construction

Conductor	Copperweld 0.720 ± 0.025 [mm]
Dielectricum	PE 4.7 ± 0.1 [mm]
Screen	Al-polyester-Al tape 100 [% optical coverage]
Screen	Silvercoated Cu braid 96 [% optical coverage]
Screen 2	Cu- braid 96% [% optical coverage]
Jacket	Black SHF2
O.D.	10.5 [mm]
Weight	135 [kg/km]
Jacket marking	NEK Kabel , date, type, DNV approval



## Specifications

Operating temperature	-40 – +70 [°C]
Characteristic impedance	75 ± 3 [Ω]
Braid Resistance	5 [Ω/km]
Conductor resistance	<97 [Ω/km]
Insulation resistance	>10 [GΩ x km]
Test voltage	6 [kV]
Capacitance	67 [pF/m]
Velocity factor	0,66
Min. bending radius	5 [x outer diam]
Min. bending radius flexible	10 [x outer diam]

## Norms

Halogenfree, max content corrosive and toxic gases	IEC 60754-1, -2
Design and testing standards	IEC 60096-0-1 Ed 3 IEC 60096 - 4
Sheathing material	IEC 60092-360 (359)
Flame retardant	IEC 60332-1
Fire retardant	IEC 60332-3-24 Cat.C
Smoke emission	IEC 61034-2
MUD resistant	NEK TS 606 F5
Certification	DNV-GL
Part No.	1092450



Use BNC crimp LSD 53938C.  
Can not be used with F-connectors.



## Attenuation nominal, max 105%

Frequency MHz	Attenuation dB/100m
5	1.8
10	2.3
50	5.7
100	8.1
300	14.5
500	19.0
800	24.6
1000	27.7
1500	34.6
1750	38.7
2500	46.6
3000	53.4

## Structural return loss

MHz	dB
30 – 300	>28
300 – 600	>24
600 – 1000	>22
1000 – 2000	>18
2000 – 3000	>15

## Screen effectiveness IEC 61196-1

MHz	dB
100 – 900	>90
900 – 2000	>80
2000 – 3000	>70