

# RG 6 A/U Marine

75Ω

Super-screened,

SHF1

DNV / ABS

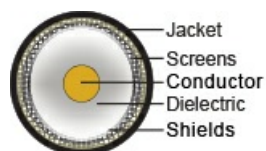
## Application

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 excellent EMC properties. RG 6 A/U Marine cannot be replaced by any other Type RG 6 products.



## Construction

Conductor	Copperweld 0.72 ± 0.025 [mm]
Dielectricum	PE 4.70 ± 0.10 [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, grey or blue SHF1
O.D.	8.5 ± 0.1 [mm]
Weight	115 [kg/km]
Jacket marking	NEK Kabel – RG 6 AU Marine SHF1 – DNV app. no – lot no – ****m – mm/yyyy



## Specifications

Operating temperature normal	-40 – 70 [°C]
Characteristic impedance	75 ± 3 [Ω]
Braid Resistance	5 [Ω/km]
Conductor resistance	<97 [Ω/km]
Test voltage	6 [kV]
Capacitance	67 [pF/m]
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 & IEC 60754-2
Design and testing standards	IEC 60096-0-1 Ed 3 IEC 60092-350 IEC 60096 - 4
Flame resistance	IEC 60332-3-22 Cat.A
Flame retardant	IEC 60332-1
Smoke emission	IEC 61034-1 & IEC 61034-2
UV-resistant	UL 1581, ISO 4892
Certification	DNV / ABS

Part No.	Black - 1092448 Blue - 1092220 Grey - 1092289
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Use BNC crimp LSD 53938C.  
Can not be used with standard F-connectors.





## Attenuation

Frequency (MHz)	Attenuation Max. (dB/100m)
5	1,8
10	2,3
50	5,7
100	8,1
200	11,7
300	14,5
500	19,0
600	21,0
800	24,6
1000	27,7
1350	32,6
1500	34,6
1750	38,7
2150	44,1
2250	44,5
2500	46,6
2750	49,3
3000	53,4

## Structural return loss dB

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

## Screening effectiveness IEC 61196-1

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



## Updated

Date	Rev.	Description
15.09.2016	1	ABS-approval, additional norms.