RG 6 A/U Marine

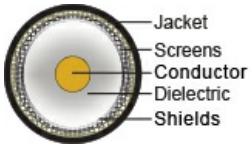
75Ω
Super-screened,
SHF1
DNV-GL, ABS

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 super-screening effectiveness.
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]
Sheath	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 - dd/mm/yy - RG 6 AU Marine SHF1 - DNV approval no - lot no- m



Specifications

Operating temperature	-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, 2
Design and testing standards	IEC 60096-0-1 Ed 3 IEC 60092-350 IEC 60096 - 4
Sheathing material	IEC 60092-360 (359) NEK 606
Flame retardant	IEC 60332-1
Fire retardant	IEC 60332-3-22 Cat.A
Smoke emission	IEC 61034-1, -2

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Part No.	Black - 1092448 Blue - 1092220 Grey - 1092289

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.

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