RG 6 A/U Marine ARM

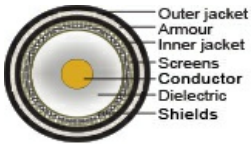
75Ω
Super-screened
+ armour steel wire braid, SHF1 jacket
DNV-GL, ABS

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, one silver coated copper braided and a stainless steel braid armour provides super-screened effectiveness and meets requirements of EMC shield.
RG 6 A/U cannot be replaced by other Type RG products.

Construction

Conductor	Copperweld 0.72 ± 0.025 [mm]
Dielectricum	PE 4.7 ± 0.1 [mm]
Sheath	Al-polyester + Al tape 100 [% optical coverage]
Screen	Silvercoated Cu braid 96 [% optical coverage]
Screen 2	Cu- braid 96 [% optical coverage]
Inner jacket	SHF1 8.5 ± 0.1 [mm]
Armour alt.1	Galvanised steel wire braid
Armour alt.2	Tinned Cu-braid
Armour alt.3	Bronze wire braid
Jacket	Black SHF1
O.D.	11.5 ± 0.2 [mm]
Weight	230 [kg/km]
Jacket marking	NEK Kabel RG6AU Marine SHF1 Armoured DNV



Specifications

Operating temperature	-30 –+70 [°C]
Characteristic impedance	75 ± 3
Braid Resistance	5 [Ω/km]
Conductor resistance	97 [Ω/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]

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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
Certification	DNV-GL, ABS

Part No.	1092449

Alternative with MUD proof jacket
Can not be used with F-connectors. Use BNC crimp LSD 53938C.

RoHS CE

Attenuation nominal, max 105%

Frequency MHz	Attenuation dB/100m
5	1.8
10	2.3
50	5.7
100	8.1
200	11.7
300	14.5
500	19.0
800	24.6
1000	27.7
1500	34.6
2150	44.1
2500	46.6
2750	49.3
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

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