

# RG 11 A/U Marine ARM MUD

75Ω Equal to RG 12

SHF2

DNV

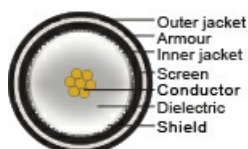
## Application

Coaxial cable for data- and video use, designed for installation on board of ship and other marine environments. Steel wire braid armour meets requirements of EMC directive. Electrical data in compliance with MIL C-17/F. The design equals RG 12, with slightly better electrical data.



## Construction

Conductor	Stranded 7 x 0,40 [mm]
Dielectricum	LDPE 7.25 ± 0.18 [mm]
Screen	Al + polyester + Al tape 100 [% optical coverage]
Screen 2	Cu- braid 96 [% optical coverage] 192 x 0,18 [mm]
Inner jacket	SHF1 10.30 ± 0.18 [mm]
Armour alt.1	Galvanised steel wire braid
Armour alt.2	Tinned Cu-braid
Armour alt.3	Bronze wire braid
Jacket	Black SHF2
O.D.	17.00 ± 0.18 [mm]
Weight	352 [kg/km]
Jacket marking	NEK Kabel Date RG11AU Marine SHF2 Armoured



## Specifications

Operating temperature normal	-40 – 70 [°C]
Braid Resistance	4.4 [Ω/km]
Conductor resistance	20.5 [Ω/km]
Capacitance	67 [pF/m]
Min. bending radius	15 [x outer diam]



## Norms

Halogenfree, max content corrosive and toxic gases	IEC 60754-1 and IEC 60754-2
Material properties, insulation and sheath	IEC 60092-360 (359)
Design and testing standards	IEC 60096-0-1 Ed 3
Flame resistance	IEC 60332-3-24 Cat.C
Flame retardant	IEC 60332-1
Smoke emission	IEC 61034-1 and IEC 61034-2
MUD resistant	NEK TS 606
Certification	DNV

Part No.	1092459
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## Attenuation

Frequency (MHz)	Attenuation Max. (dB/100m)
5	1,1
10	1,3
50	4,2
100	6,1
200	9,2
300	11,8
500	16,0
600	17,9
800	21,4
1000	24,3
1350	29,1
1500	31,0
1750	35,0
2150	40,2
2250	40,5
2500	42,4
2750	45,0
3000	49,0



### Structural return loss dB

MHz	dB
30 - 300	> 30
300 - 600	> 27
600 - 1000	> 25
1000 - 2000	> 22
2000 - 3000	> 20

### Screening effectiveness IEC 61196-1

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

### Updated

Date	Rev.	Description
01.12.2015	1	Design equals RG 12