

## RG 11 A/U Marine ARM

75Ω, PE

Al tape + Cu braided screen

+ armour steel wire braid, Equal to RG 12

SHF1

DNV / ABS

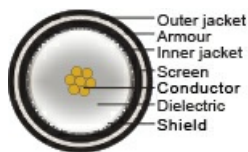
### Application

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



### Construction

Conductor	Stranded Tinned Cu 7 x 0,40 [mm]
Dielectricum	PE 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 Ø = 10.3 ± 0.18 [mm]
Armour alt.1	Galvanised steel wire braid
Armour alt.2	Tinned Cu-braid
Armour alt.3	Bronze wire braid
Jacket	Black or grey SHF1
O.D.	13.50 ± 0.20 [mm]
Weight	277 [kg/km]
Jacket marking	RG 11 AU Marine SHF1 Armoured DNV IEC 60332-3-22



### Specifications

Operating temperature normal	-40 – 70 [°C]
Braid Resistance	4.4 [Ω/km]
Conductor resistance	22.5 [Ω/km]
Test voltage	5.5 [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 and IEC 60754-2
Design and testing standards	IEC 60096-0-1 Ed 3
Flame resistance	IEC 60332-3-22 Cat.A
Flame retardant	IEC 60332-1
Smoke emission	IEC 61034-1 and IEC 61034-2
Certification	DNV / ABS
Part No.	1092457-Black, 1092499-Grey



Suitable connector: F-J11 RG 11 ARM, prod.no: 65458  
 Alternative product with MUD resistant jacket, part number 1092459



## 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
28.11.2015	1	
16.11.2016	2	ABS approval, minor text changes