

# RG 214 U Marine ARM

50Ω

SHF1

Silverplated conductor and screen

DNV-GL, ABS

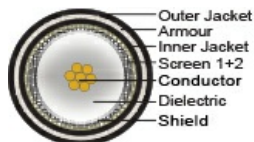
## Application

Coaxial cable for ship and other marine environments for VHF/UHF equipment. Galvanized steel wire armour. Electrical data in compliance with MIL C-17/F, EMC protective. Replaces RG 215 and have better values.



## Construction

Conductor	Stranded Plain Cu 7 x 0,75 [mm]
Dielectricum	Low density PE 7,25 ± 0,18 [mm]
Sheath	Al-polyester + Al tape 100 [% optical coverage]
Screen	Silvercoated Cu braid 94 [% optical coverage]
Screen 2	Silvercoated Cu braid 98 [% optical coverage]
Inner jacket	SHF1
Armour alt.1	Galvanised steel wire braid
Armour alt.2	Tinned Cu-braid
Armour alt.3	Bronze wire braid
Jacket	Black SHF1
O.D.	14,8 [mm]
Weight	324 [kg/km]



## Specifications

Operating temperature	-40 - +70 [°C]
Characteristic impedance	50±2 [Ω]
Braid Resistance	4.2 [Ω/km]
Conductor resistance	6 [Ω/km]
Test voltage	5,5 [kV]
Capacitance	100 [pF/m]
Min. bending radius flexible	15 [x outer diam]

## Norms

Halogenfree, max content corrosive and toxic gases	IEC 60754-2
Design and testing standards	IEC 60096-0-1 Ed 3
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.	1092445 (Steel wire armour) 1092462 (Tinned Cu wire armour)



Alternative product with MUD resistant jacket, Part. no. 1092447



## Attenuation

Frequency (MHz)	Attenuation Max. (dB/100m)
5	1,1
10	1,5
50	3,8
100	5,4
200	7,9
300	9,9
500	12,9
600	14,5
800	17,2
1000	19,6
1350	23,5
1500	24,8
1750	27,4
2150	30,9
2250	31,8
2500	34,0
2750	36,0
3000	37,6
5500	55

## Structural return loss dB

MHz	dB
30 - 300	> 31
300 - 600	> 28
600 - 1000	> 27
1000 - 2000	> 24
2000 - 3000	> 22

## Screening effectiveness IEC 61196-1

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

## Updated

Date	Rev.	Description
10.03.2015	1	Armour
01.12.2015	2	Edit text, SHF1