



# RG 213 U Marine

**50Ω**  
**Flexible, SHF1**  
**DNV-GL, ABS**

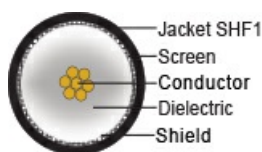
## Application

Coaxial cable for ship- and offshore environments. VHF/UHF equipment. Electrical specifications in compliance with MIL C-17/F



## Construction

Conductor	Stranded Plain Cu 7 x 0,75 [mm]
Dielectricum	Low density PE 7,25 ± 0,18 [mm]
Screen	Al + polyester + Al tape 100 [% coverage]
Screen 2	Cu- braid 96 [% optical coverage]
Jacket	Black SHF1
O.D.	10,3 ± 0,18 [mm]
Weight	167 [kg/km]



## Specifications

Operating temperature	-40 – +70 [°C]
Characteristic impedance	50 ± 2 Ω
Braid Resistance	4,2 [Ω/km]
Conductor resistance	6,0 [Ω/km]
Test voltage	5,5 [kV]
Capacitance	100 [pF/m]
Velocity factor	0,66
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
Material properties, insulation and sheath	IEC 60092-360 (359)
Design and testing standards	IEC 60096-0-1 Ed 3
Flame retardant	IEC 60332-1-2
Fire retardant	IEC 60332-3-24 Cat.C
Oil and fuel, hydrocarbons resistant	IEC 60811-3-1
Smoke emission	IEC 61034-2
Certification	DNV-GL, ABS

Part No. 1092440



RG 213 Marine is also available armoured and armoured MUD resistant.



## Attenuation nominal, max 105%

Frequency MHz	Attenuation dB/100m
5	1,1
10	1,5
50	3,8
100	5,5
200	8,0
400	11,6
500	13,2
600	14,5
800	17,0
1000	19,6
1500	24,7
1750	27,2
2150	30,7
2500	33,9
2750	36,1
3000	37,8

## Structural return loss

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

## Screen effectiveness IEC 61196-1

MHz	dB
100 – 900	>95
900 – 2000	>85
2000 – 3000	>77