

RG 213 U Marine

50Ω

Flexible, SHF1

DNV / ABS

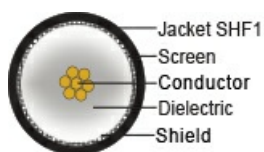
Application

Coaxial cable for ship- and offshore environments with excellent EMC properties for VHF/UHF equipment. Electrical specifications in compliance with MIL C-17/F. Also meets the requirements of Anatel.



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 normal	-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 & IEC 60754-2
Material properties, insulation and sheath	IEC 60092-359
Design and testing standards	IEC 60096-0-1 Ed 3 IEC 61196-1-100
Flame resistance	IEC 60332-3-22 & IEC 60332-3-24
Flame retardant	IEC 60332-1-2
Smoke emission	IEC 61034-2
Oil and fuel resistant	IEC 60811-3-1
UV-resistant	UL 1581, ISO 4892
Certification	DNV / ABS

Part No.	1092440
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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