

RG 213 U Marine

50Ω

Flexible, SHF1

DNV-GL, ABS

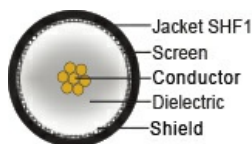
Application

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	4.4 [Ω/km]
Conductor resistance	6 [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
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 61034-2
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
300	10.1
500	13.2
800	17.5
1000	20
1500	25.3
1750	27.9
2150	31.5
2500	34.7
2750	36.7
3000	38.3

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	>90
900 – 2000	>80
2000 – 3000	>70