

# RG 213 U Marine MUD

50Ω

Flexible

SHF2, MUD resistant jacket

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	LDPE 7.25 ± 0.18 [mm]
Screen	Al + polyester + Al tape 100 [% coverage]
Screen 2	Cu- braid 96 [% optical coverage]
Jacket	Black SHF1
Outer Jacket	Black SHF2
O.D.	12.80 ± 0.18 [mm]
Weight	182 [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
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)
Flame retardant	IEC 60332-1
Fire retardant	IEC 60332-3-24
Smoke emission	IEC 61034-2
MUD resistant	NEK TS 606 F5
Certification	DNV-GL ABS



Also available in armoured version.

Part No. 1092442

### 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
100 – 2000	>24
2000 – 3000	>22

### Screen effectiveness IEC 61196-1

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