



# RG 214 U Marine

Trippelshielded  
50Ω  
SHF1  
DNV-GL, ABS



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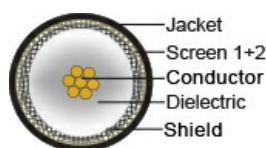
## Application

Coaxial cable for ship and other marine environments for VHF/UHF equipment. MIL 17-C/75.



## Construction

Conductor	Stranded Silvercoated Cu 7 x 0,75 [mm]
Dielectricum	Low density PE 7,25 ± 0,18 [mm]
Screen	Al - polyester tape 100 [% optical coverage]
Screen	Silvercoated Cu braid 94 [% optical coverage]
Screen 2	Silvercoated Cu braid 98 [% optical coverage]
Jacket	Black SHF1
O.D.	10.8 ± 0.18 [mm]
Weight	206 [kg/km]
Jacket marking	NEK Kabel date RG214U Marine



## 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	15 [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 60332-3-22 Cat.A
Smoke emission	IEC 61034-2
Certification	DNV-GL, ABS
Part No.	1092444





Available with MUD resistance, part.no. 1092446



## 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