

RG 214 U Marine ARM MUD

50Ω

Armoured, SHF2

DNV

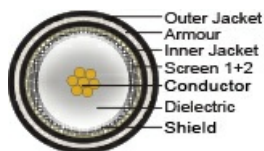
Application

Coaxial cable for ship- and other marine environments for VHF/UHF equipment. Electrical data in compliance with MIL C-17/F. EMC protected.



Construction

Conductor	Stranded Silvercoated Cu 7 x 0.75 [mm]
Dielectricum	Low density PE 7.25 ± 0.18 [mm]
Screen	Al-polyester + Al tape 100 [% optical coverage]
Screen	Silvercoated Cu braid 96 [% optical coverage]
Screen 2	Silvercoated Cu braid 98 [% optical coverage]
Inner jacket	SHF1 10.00 ± 0.18 [mm]
Armour alt.1	Galvanised steel wire braid
Armour alt.2	Tinned Cu-braid
Armour alt.3	Bronze wire braid
Jacket	Black SHF2
O.D.	17.0 ± 0.2 [mm]
Weight	399 [kg/km]
Jacket marking	NEK Kabel date RG214U Marine SHF1 ARMoured DNV



Specifications

Operating temperature normal	-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]
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 and IEC 60754-2 NES 713
Flame resistance	IEC 60332-3-22 Cat.A
Flame retardant	IEC 60332-1
Smoke emission	IEC 61034-1 and IEC 61034-2
MUD resistant	NEK TS 606
Certification	DNV

Part No.	1092447
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If MUD resistance is not necessary, please see our Part. no.1092445



Attenuation nominal, max 105%

Frequency MHz	Attenuation dB/100m
5	1.1
10	1.5
100	5.4
300	9.9
500	12.9
800	17.2
1000	19.8
1500	24.8
2150	30.9
2500	34.0
3000	37.6
5500	55



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