

RG 214 U Marine MUD

50 Ω

MUD resistant jacket, SHF2

DNV / ABS

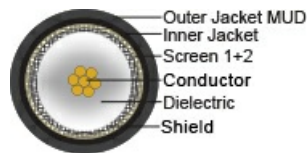
Application

Coaxial cable for VHF/UHF in ship- and offshore installations. Electrical data in compliance with MIL C-17775.



Construction

Conductor	Stranded Silvercoated Cu 7 x 0.75 [mm]
Dielectricum	Low density PE 7.25 ± 0.75 [mm]
Screen	Al-polyester + Al tape 100 [% optical coverage]
Screen	Silvercoated Cu braid 94 [% optical coverage]
Screen 2	Silvercoated Cu braid 98 [% optical coverage]
Jacket	Black SHF1
Outer Jacket	Black SHF2
O.D.	12.9 ± 0,2 [mm]
Weight	229 [kg/km]
Jacket marking	NEK Kabel date RG214U Marine-MUD NEK 606



Specifications

Operating temperature normal	-40 - +70 [°C]
Braid Resistance	4.2 [Ω/km]
Conductor resistance	6 [Ω/km]
Test voltage	5,5 [kV]
Capacitance	100 [pF/m]
Impedance	50±2 [Ω]
Min. bending radius	15 [x outer diam]

Norms

Halogenfree, max content corrosive and toxic gases	IEC 60754-1 and IEC 60754-2
Material properties, insulation and sheath	IEC 60092-360 (359)
Design and testing standards	IEC 60096-0-1 Ed 3
Flame resistance	IEC 60332-3-24 Cat.C
Flame retardant	IEC 60332-1
Smoke emission	IEC 61034-2
MUD resistant	NEK TS 606
Certification	DNV



Part No.	1092446
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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

Attenuation

Frequency (MHz)	Attenuation (dB/100m)
10	1.5
50	3.8
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

Updated

Date	Rev.	Description
01.12.2015	1	
April 2019	2	Part nbr.