

RG 11 A/U Marine MUD

75Ω

SHF2

DNV

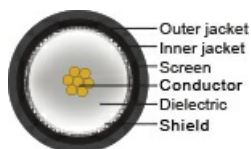
Application

Coaxial cable designed for use in harsh environments like ship- and offshore applications. Data and video transmission. Electrical data in compliance with MIL C-17F.



Construction

Conductor	Stranded Tinned Cu 7 x 0.40 [mm]
Dielectricum	Low density PE 7.25 ± 0.18 [mm]
Screen	Al + polyester + Al tape 100 [% optical coverage]
Screen 2	Cu- braid 96 [% optical coverage]
Jacket	Black SHF2
O.D.	12.80 ± 0.18 [mm]
Weight	165 [kg/km]
Jacket marking	NEK Kabel date-RG11AU Marine SHF2 DNV m



Specifications

Operating temperature normal	-40 – 70 [°C]
Characteristic impedance	75 ± 3 Ω
Braid Resistance	4.4 [Ω/km]
Conductor resistance	20.5 [Ω/km]
Capacitance	67 [pF/m]
Velocity factor	0.67
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
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.	1092458
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RG 11 A/U is also available in armoured design (equals RG 12)

Attenuation nominal, max 105%

Frequency MHz	Attenuation dB/100m
5	1.1
10	1.3
50	4.2
100	6.1
300	11.8
500	16.0
800	21.4
1000	24.3
1500	31.0
1750	36.0
2150	40.2
2500	42.4
3000	49.0

Structural return loss

MHz	dB
30 – 300	>30
300 – 600	>27
600 – 1000	>25
1000 – 2000	>22
2000 – 3000	>20

Screen effectiveness IEC 61196-1

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