

RG 11 A/U Marine ARM MUD

75Ω Equal to RG 12

SHF2

DNV-GL

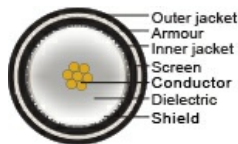
Application

Coaxial cable for data- and video use, designed for installation on board of ship and other marine environments. Steel wire braid armour meets requirements of EMC directive. Electrical data in compliance with MIL C-17/F. The design equals RG 12, with slightly better electrical data.



Construction

Conductor	Stranded 7 x 0,40 [mm]
Dielectricum	LDPE 7.25 ± 0.18 [mm]
Screen	Al + polyester + Al tape 100 [% optical coverage]
Screen 2	Cu- braid 96 [% optical coverage] 192 x 0,18 [mm]
Inner jacket	SHF1 10.30 ± 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.	17.00 ± 0.18 [mm]
Weight	352 [kg/km]
Jacket marking	NEK Kabel Date RG11AU Marine SHF2 Armoured



Specifications

Operating temperature	-40 – 70 [°C]
Braid Resistance	4.4 [Ω/km]
Conductor resistance	20.5 [Ω/km]
Capacitance	67 [pF/m]
Min. bending radius	15 [x outer diam]

Norms

Halogenfree, max content corrosive and toxic gases	IEC 60754-1, 2
Material properties, insulation and sheath	IEC 60092-360 (359)
Design and testing standards	IEC 60096-0-1 Ed 3
Flame retardant	IEC 60332-1
Fire retardant	IEC 60332-3-24 Cat.C
Smoke emission	IEC 61034-1, -2
MUD resistant	NEK TS 606
Certification	DNV-GL
Part No.	1092459



Attenuation

Frequency (MHz)	Attenuation Max. (dB/100m)
5	1,1
10	1,3
50	4,2
100	6,1
200	9,2
300	11,8
500	16,0
600	17,9
800	21,4
1000	24,3
1350	29,1
1500	31,0
1750	35,0
2150	40,2
2250	40,5
2500	42,4
2750	45,0
3000	49,0

Structural return loss dB

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

Screening effectiveness IEC 61196-1

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

Updated

Date	Rev.	Description
01.12.2015	1	Design equals RG 12