

RG 59 B/U Marine ARM MUD

75Ω
Armoured
SHF2
DNV-GL

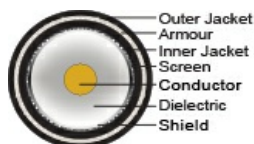
Application

Coaxial cable for ship- and offshore applications. Steel braid armour for harsh environment and EMC.



Construction

Conductor	Copperweld 0.580 ± 0.025 [mm]
Screen	Al-polyester + Al tape
Dielectricum	Low density PE 3.7 ± 0.1 [mm]
Screen	Cu-braid 93 [% optical coverage]
Inner jacket	SHF1
Armour alt.1	Galvanised steel wire braid
Armour alt.2	Tinned Cu-braid
Armour alt.3	Bronze wire braid
Jacket	Black SHF2
O.D.	12.5 ± 0.1 [mm]
Weight	211 [kg/km]
Jacket marking	NEK Kabel - DD/MM/YY - RG59BU Marine SHF2 ARMoured DNV



Specifications

Operating temperature	-40 – 70 [°C]
Characteristic impedance	75 ± 3 Ω
Braid Resistance	9 [Ω/km]
Conductor resistance	154 [Ω/km]
Test voltage	4.5 [kV]
Capacitance	67 [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 60754-2
Material properties, insulation and sheath	IEC 60092-360 (359)
Design and testing standards	IEC 60096-0-1 Ed 3
Flame retardant	IEC 60332-1
Smoke emission	IEC 61034-1, -2
MUD resistant	NEK TS 606
Certification	DNV-GL



Attenuation nominal, max 105%

Frequency MHz	Attenuation dB/100m
5	2.4
10	3
50	6.8
100	10
200	14.2
300	17.5
500	23.5
800	30.2
1000	34.2
	43.4
2150	54.1
2750	61.3
3000	65.9

Structural return loss

MHz	dB
30 – 300	31
300 – 600	28
600 – 1000	24
1000 – 2000	18
2000 – 3000	14

Screen effectiveness IEC 61196-1

MHz	dB
100 – 900	>90
900 – 2000	>80
	24
2000 – 3000	>70

