

# RG 59 B/U Marine Flex ARM

75Ω Flexible  
Steel wire armour  
SHF1  
DNV-GL

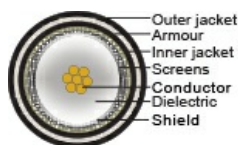
## Application

RG 59 type, with flexible conductor for ship- and offshore communication and video signals. Stranded conductor protecting against vibrations.



## Construction

Conductor	Flexible Plain Cu 7 x 0,25 [mm]
Dielectricum	Low density PE 3.7 [mm]
Sheath	Al-polyester + Al tape
Screen	Cu-braid 92 [% optical coverage]
Inner jacket	SHF1 6.2 ± 0.2 [mm]
Armour alt.1	Galvanised steel wire braid
Armour alt.2	Tinned Cu-braid
Armour alt.3	Bronze wire braid
Jacket	Black SHF1
O.D.	9.4 ± 0.2 [mm]
Weight	136 [kg/km]
Jacket marking	NEK Kabel-RG59 Flex Marine SHF1 Armoured DNV-IEC60332-3-24



## Specifications

Operating temperature	-40 – +75 [°C]
Characteristic impedance	75 ± 3 [Ω]
Braid Resistance	10 [Ω/km]
Conductor resistance	82 [Ω/km]
Test voltage	5 [kV]
Capacitance	67 [pF/m]
Velocity factor	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
Sheathing material	IEC 60092-360 (359) NEK 606
Flame retardant	IEC 60332-1
Fire retardant	IEC 60332-3-22 Cat.A
Smoke emission	IEC 61034-1, -2
Certification	DNV-GL
Part No.	1092226 (GSWB)



Alternative designs, where the steel wire braid is replaced by bronze or copper braid is available on request.

## Attenuation

Frequency (MHz)	Attenuation Max. (dB/100m)
50	7,0
100	10,1
200	14,0
400	20,2
800	30,3
1000	34,8

## Structural return loss dB

MHz	dB
30 – 300	>30
300 – 600	>25
600 – 1000	>22
1000 – 2000	>20
2000 – 3000	>16

## Screening effectiveness IEC 61196-1

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