

# RG 59 B/U Marine ARM SHF1

75Ω

Al-tape + Cu braid

Steel wire- or Cu-wire-armor

SHF1

DNV / ABS

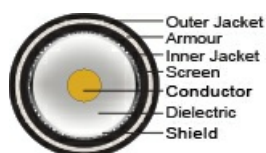
## Application

Coaxial cable for ship- and offshore applications. Steel braid armour for harsh environments and excellent EMC properties.



## Construction

Conductor	0.580 ± 0.025 [mm]
Dielectricum	LDPE 3.7 ± 0.1 [mm]
Screen	Al-polyester + Al tape
Screen	Cu-braid 93 [% optical coverage]
Inner jacket	SHF1 6.20 ± 0.20 [mm]
Armour alt.1	Galvanised steel wire braid 87% coverage
Armour alt.2	Tinned Cu-braid
Armour alt.3	Bronze wire braid
Jacket	Black or grey SHF1
O.D.	9.40 ± 0.20 [mm]
Weight	144.2 [kg/km]
Jacket marking	NEK KABEL – RG59 BU MARINE – SHF1 – ARM –DNV – ****M – DD/MM/YY



## Specifications

Operating temperature normal	-30 – + 70 [°C]
Braid Resistance	9 [Ω/km]
Conductor resistance	154 [Ω/km]
Test voltage	4.5
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
Design and testing standards	IEC 60096-0-1 Ed 3
Flame resistance	IEC 60332-3-22 Cat.A
Flame retardant	IEC 60332-1
UV-resistant	UL 1581, ISO 4892
Certification	DNV / ABS

Part No.	1092453-Black, 1092362-Grey
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## Attenuation

Frequency (MHz)	Attenuation Max. (dB/100m)
5	2,4
10	3,0
50	6,8
100	10,0
200	14,2
300	17,5
500	23,5
600	25,7
800	30,2
1000	34,2
1350	40,3
1500	43,4
1750	47,7
2150	54,1
2250	55,0
2500	58,1
2750	61,3
3000	65,9

### Structural return loss dB

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

### Screening effectiveness IEC 61196-1

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

### Updated

Date	Rev.	Description
10.03.2015	1	Armour
18.11.2016	2	Dimensions (BS)