

RG 59 B/U Marine ARM SHF1

75Ω

Al-tape + Cu braid

Steel wire- or Cu-wire- armour

SHF1

DNV-GL, ABS

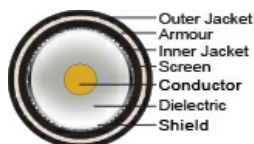
Application

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



Construction

Conductor	0.580 ± 0.025 [mm]
Screen	Al-polyester + Al tape
Dielectricum	LDPE 3.7 ± 0.1 [mm]
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	Meter NEKKABEL DD/MM/YY RG59 BU MARINE SHF1 ARMOURED DNV



Specifications

Operating temperature	-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
Material properties, insulation and sheath	IEC 60092-360 (359) 3582
Design and testing standards	IEC 60096-0-1 Ed 3
Flame retardant	IEC 60332-1
Fire retardant	IEC 60332-3-22 Cat.A
Certification	DNV-GL, ABS
Part No.	1092453-Black, 1092362-Grey



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)