

## 20117375 RG 59 B/U Marine

75Ω  
SHF1  
DNV / ABS

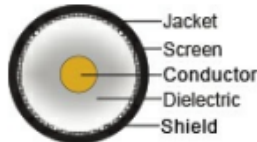
### Application

Coaxial cable with excellent EMC properties, for data- and video, especially designed for ship- and offshore applications. Electrical data in compliance with MIL C - 17/F



### Construction

Conductor	Copperweld 0.58 ± 0.025 [mm]
Dielectricum	LDPE 3.7 ± 0.1 [mm]
Screen	Al-polyester + Al tape 100 [% optical coverage]
Screen	Cu-braid 93 [% optical coverage]
Jacket	Black SHF1
O.D.	6.2 ± 0.1 [mm]
Weight	53 [kg/km]
Jacket marking	RG 59 B/U Marine, DD/MM/YY batch number and meter marked



### Specifications

Operating temperature normal	-30 – 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]
Min. bending radius	5 [x outer diam]
Min. bending radius flexible	10 [x outer diam]



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## Norms

Halogenfree, max content corrosive and toxic gases	IEC 60754-1 & IEC 60754-2 NES 713
Design and testing standards	IEC 60096-0-1 Ed 3
Flame resistance	IEC 60332-3-22 Cat.A
Flame retardant	IEC 60332-1
Smoke emission	IEC 61034-1 & IEC 61034-2
UV-resistant	UL 1581, ISO 4892
Certification	DNV / ABS



## Attenuation nominal, max 105%

Frequency MHz	Attenuation dB/100m
5	2.4
10	3.0
50	6.8
100	10.0
200	14.2
300	17.5
500	23.5
800	30.2
1000	34.2
1350	40.3
1500	43.4
1750	47.7
2250	55.0
2500	58.1
2750	61.3
3000	65.9



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## Structural return loss

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

## Screen effectiveness IEC 61196-1

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



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