

RG 59 B/U Marine

75Ω
SHF1
DNV-GL, ABS

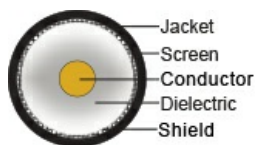
Application

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



Specifications

Operating temperature	-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]

Norms

Halogenfree, max content corrosive and toxic gases	IEC 60754-1, 2 NES 713
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
Smoke emission	IEC 61034-1, -2
Certification	DNV-GL, ABS
Part No.	1092452



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

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