



RG 59 B/U Marine Flex

75 Ω Flexible
SHF1
DNV-GL



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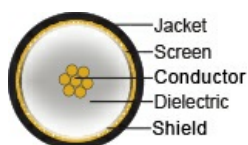
Application

Type RG 59 for ship- and offshore applications. Communication and video signals. Stranded conductor is used for better protection against vibrations and cold bend.



Construction

Conductor	Stranded Plain Cu 7 x 0,20 [mm]
Dielectricum	Low density PE 3.7 \pm 0.10 [mm]
Sheath	Al-polyester + Al tape 100 [% optical coverage]
Screen	Cu-braid 91 [% optical coverage]
Jacket	Black SHF1
O.D.	6.20 \pm 0.20 [mm]
Weight	51.4 [kg/km]
Jacket marking	NEK Kabel RG 59 B/U Marine Flex, DD.MM.YY batch number and meter marked



Specifications

Operating temperature	-40 – +70 [°C]
Characteristic impedance	75 \pm 3 [Ω]
Braid Resistance	10 [Ω /km]
Conductor resistance	82 [Ω /km]
Test voltage	5 [kV]
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
Sheathing material	IEC 60092-360 (359) NEK 606
Flame retardant	IEC 60332-1
Toxic gases max.	IEC 60092-359
Fire retardant	IEC 60332-3-22 Cat.A
Smoke emission	IEC 61034-1, -2
Certification	DNV-GL



Part No. 1092218



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