# RG 59 B/U Marine Flex

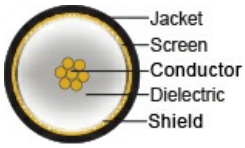
## 75 Ω Flexible
## SHF1
## DNV-GL

## 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 ± 0.10 [mm] |
| Sheath | Al-polyester + Al tape 100 [% optical coverage] |
| Screen | Cu-braid 91 [% optical coverage] |
| Jacket | Black SHF1 |
| O.D. | 6.20 ± 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 ± 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 |

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| | |
|---|---|
| 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 |