



RG 213 U Marine

50Ω

Flexible, SHF1

DNV-GL, ABS



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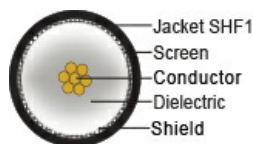
Application

Coaxial cable for ship- and offshore environments. VHF/UHF equipment. Electrical specifications in compliance with MIL C-17/F



Construction

| | |
|--------------|---|
| Conductor | Stranded Plain Cu 7 x 0.75 [mm] |
| Dielectricum | Low density PE 7.25 ± 0.18 [mm] |
| Screen | Al + polyester + Al tape 100 [% coverage] |
| Screen 2 | Cu- braid 96 [% optical coverage] |
| Jacket | Black SHF1 |
| O.D. | 10.3 ± 0.18 [mm] |
| Weight | 167 [kg/km] |



Specifications

| | |
|------------------------------|-------------------|
| Operating temperature | -40 – +70 [°C] |
| Characteristic impedance | 50 ± 2 Ω |
| Braid Resistance | 4.4 [Ω/km] |
| Conductor resistance | 6 [Ω/km] |
| Test voltage | 5.5 [kV] |
| Capacitance | 100 [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 60754-1, -2 |
| Design and testing standards | IEC 60096-0-1 Ed 3 |
| Sheathing material | IEC 60092-360 (359) |
| Flame retardant | IEC 60332-1 |
| Fire retardant | IEC 60332-3-22 Cat.A |
| Smoke emission | IEC 61034-2 |
| Certification | DNV-GL, ABS |
| Part No. | 1092440 |



RG 213 Marine is also available armoured and armoured MUD resistant.

Attenuation nominal, max 105%

| Frequency MHz | Attenuation dB/100m |
|---------------|---------------------|
| 5 | 1.1 |
| 10 | 1.5 |
| 50 | 3.8 |
| 100 | 5.5 |
| 200 | 8 |
| 300 | 10.1 |
| 500 | 13.2 |
| 800 | 17.5 |
| 1000 | 20 |
| 1500 | 25.3 |
| 1750 | 27.9 |
| 2150 | 31.5 |
| 2500 | 34.7 |
| 2750 | 36.7 |
| 3000 | 38.3 |

Structural return loss

| MHz | dB |
|-------------|------|
| 30 – 300 | >31 |
| 300 – 600 | >28 |
| 600 – 1000 | >27 |
| 1000 – 2000 | >24 |
| 2000 – 3000 | > 22 |

Screen effectiveness IEC 61196-1

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