RG 11 A/U Marine

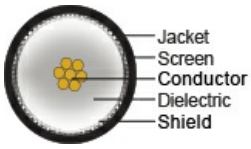
75 Ω
SHF1
DNV-GL, ABS

Application

Coaxial cable designed for ship- and offshore applications. Data and video signals transmission. Electrical data in compliance with MIL C-17/F.

Construction

Conductor	Stranded Tinned Cu 7 x 0.40 [mm]
Dielectricum	Low density PE 7.25 ± 0.18 [mm]
Screen	Al + polyester + Al tape
Screen 2	Cu- braid 96 [% optical coverage]
Jacket	Black SHF1
O.D.	10.3 ± 0.18 [mm]
Weight	150 [kg/km]



Specifications

Operating temperature	-30 – 70 [°C]
Test Voltage	5.5 [kV]
Characteristic impedance	75 ± 3 Ω
Braid Resistance	4.4 [Ω/km]
Conductor resistance	20.5 [Ω/km]
Capacitance	67 [pF/km]
Velocity factor	0.67
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, 2
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
Toxic gases max.	NES 713 CEI 20-37/7
Fire retardant	IEC 60332-3-22 Cat.A
Weather resistant	ASTM G 154
Oil and fuel, hydrocarbons resistant	IEC 60811
Smoke emission	IEC 61034-2
Water immersion	IEC 60502
UV-resistant	ASTM D 2565 92A
Certification	DNV-GL, ABS
Part No.	1092456

RoHS CE

Alternative designs, armoured, MUD resistant, in any combination.

Attenuation nominal, max 105%

Frequency MHz	Attenuation dB/100m
5	1.1
10	1.3
50	4.2
100	6.1
300	11.8
500	16
800	21.4
1000	24.3
1500	31
1750	36
2150	40.2
2500	42.4
3000	49

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Structural return loss

MHz	dB
30 – 300	>30
300 – 600	>27
600 – 1000	>25
1000 – 2000	>22
2000 – 3000	>20

Screen effectiveness IEC 61196-1

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

Updated

Date	Rev.	Description
1.1.2019	1	Additional technical information
1.12.2019	2	Additional norm information
24.1.2020	3	Operating temperature corrected

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