

RG 58 C/U Marine MUD

50Ω

SHF2 MUD resistant jacket

DNV-GL, ABS

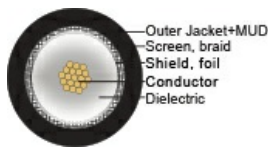
Application

Coaxial cable for ship- and offshore applications. Electrical data in compliance with MIL C-17/F.



Construction

Conductor	Extra flexible Tinned Cu 19 x 0.18 [mm]
Dielectricum	Low density PE 2.95 ± 0.10 [mm]
Screen	Al + polyester + Al tape 100 [% optical coverage]
Screen 2	Tinned Cu braid 93 [% optical coverage] 144 x 0,1 [mm]
Jacket	Black SHF2
Outer diam	7± 0.15 [mm]
Weight	53 [kg/km]



Specifications

Operating temperature	-40 – + 70 [°C]
Characteristic impedance	50 ± 2 Ω
Braid Resistance	14 [Ω/km]
Conductor resistance	36.5 [Ω/km]
Test voltage	4 [kV]
Capacitance	100 [pF/m]
Velocity factor	0.66
Attenuation	See table RG 58 C/U Marine, Prod.no. 1092436
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
Design and testing standards	IEC 60096-0-1 Ed 3
Sheathing material	IEC 60092-360 (359)
Flame retardant	IEC 60332-1
Fire retardant	IEC 60332-3-24 Cat.C
Smoke emission	IEC 61034-2
MUD resistant	NEK TS 606 F5
Certification	DNV-GL



RG 58 C/U without MUD resistance has Part. no. 1092436. Thinner and less expensive.

Structural return loss

MHz	dB
30 – 300	>28
300 – 600	>27
600 – 1000	>25
1000 – 2000	>20
2000 – 3000	>18

Screen effectiveness IEC 61196-1

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