RG 58 C/U Marine

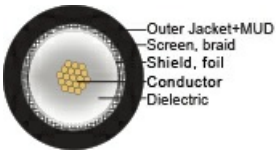
50 Ω
SHF1
DNV / ABS

Application

Coaxial cable for ship- and offshore environments with excellent EMC properties for data transmission and antenna for mobile phones. Electical data in complience with MIL-C-17/F. Also meets the requirements of Anatel.

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 SHF1
O.D.	5.00 ± 0.10 [mm]
Weight	42 [kg/km]



Specifications

Operating temperature normal	-40 - +70
Characteristic impedance	50 ± 2 [Ω]
Braid Resistance	14 ± 4 [Ω/km]
Conductor resistance	36.5 ± 1.5 [Ω/km]
Capacitance	100 ± 2 [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 & IEC 60754-2
Material properties, insulation and sheath	IEC 60092-359
Design and testing standards	IEC 60096-0-1 Ed 3 IEC 61196-1-100
Flame resistance	IEC 60332-3-22 & IEC 60332-3-24
Flame retardant	IEC 60332-1-2
Smoke emission	IEC 61034-1 & IEC 61034-2
Oil and fuel resistant	IEC 60811-3-1
UV-resistant	UL 1581, ISO 4892
Certification	DNV / ABS

Part No.	1092436

RoHS CE

Attenuation

Frequency (MHz)	Attenuation Max. (dB/100m)
5	3,0
10	4,0
50	9,4
100	13,0
200	18,6
300	23,3
500	31,2
600	34,7
800	41,0
1000	46,8
1350	56,6
1500	60,6
1750	66,9
2150	76,9
2250	78,4
2500	83,5
2750	86,5
3000	89,5

Structural return loss dB

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

Screening effectiveness IEC 61196-1

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