



# RG 58 C/U Marine SHF1

50 Ω

SHF1

DNV-GL, ABS

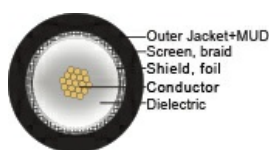
## Application

Low smoke and halogen free coaxial cable for data transmission. The cable can also be used as antenna cable for mobile phones. Also available MUD-resistant version is for offshore use.



## Construction

Conductor	Extra flexible tinned Cu 19 x 0.18 [mm]
Dielectricum	Low density PE $\varnothing=2,95\pm 0,10$ [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 $\pm$ 0,10 [mm]
Weight	42 [kg/km]



## Specifications

Operating temperature	-40 - +70
Characteristic impedance	50 $\pm$ 2 [ $\Omega$ ]
Braid Resistance	14 [ $\Omega$ /km]
Conductor resistance	36,5 [ $\Omega$ /km]
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, IEC 60754-2
Flame retardant	IEC 60332-1
Fire retardant	IEC 60332-3-22



Part No.	1092436
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## 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