



RG 58 C/U Marine SHF1

50 Ω

SHF1

DNV-GL, ABS

FS
cables

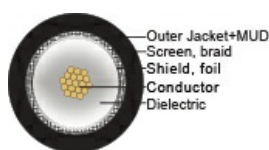
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Application

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 [Ω]
Braid Resistance	14 [Ω /km]
Conductor resistance	36,5 [Ω /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



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