

# RG 58 C/U Marine ARM MUD

SHF2  
50Ω

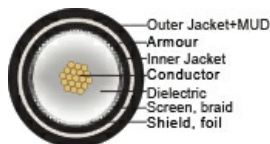
## Application

Armoured, low smoke and halogen free coaxial cable for data transmission. The cable can also be used as antenna cable for mobile phones. MUD-resistant for offshore use. Electrical Data in compliance with MIL C-17/F



## Construction

Conductor	Extra flexible 19 x 0.18 [mm]
Dielectricum	2,95 ± 0,10 [mm]
Screen	Al-polyester-Al tape
Screen	Tinned Cu-braid 93 [% coverage]
Inner jacket	SHF1 5.0 ± 0.1 [mm]
Armour alt.1	Galvanised steel wire braid
Armour alt.2	Tinned Cu-braid
Armour alt.3	Bronze wire braid
Jacket	Black SHF2
Outer diam	11.0 ± 0.2 [mm]
Weight	171 [kg/km]



## Specifications

Operating temperature	-40 – + 70 [°C]
Braid Resistance	14 [Ω/km]
Conductor resistance	36.5 [Ω/km]
Test voltage	4 [kV]
Capacitance	100 [pF/m]
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
Sheathing material	IEC 60092-360 (359)
Flame retardant	IEC 60332-1
Fire retardant	IEC 60332-3-24 Cat.C
MUD resistant	NEK TS 606
Part No.	1092439



## 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
	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

Date	Rev.	Description
10.03.2015	1	Armour
01.12.2015	2	Text update