

RG 58 C/U Marine ARM MUD

SHF2
50Ω

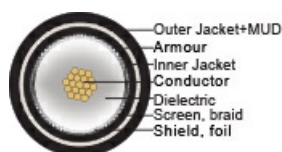
Application

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
O.D.	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
Material properties, insulation and sheath	IEC 60092-360 (359)
Flame resistance	IEC 60332-3-24 Cat.C
Flame retardant	IEC 60332-1
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



Updated

Date	Rev.	Description
10.03.2015	1	Armour
01.12.2015	2	Text update