RG 58 C/U Marine ARM

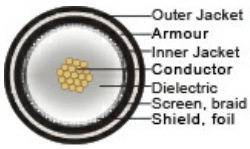
50Ω
Al-tape + Cu braid
Armour
SHF1
DNV-GL

Application

Coaxial communications cable for ship- and offshore use. Electrical data in compliance with MIL C-17.

Construction

Conductor	Extra flexible 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] [mm]
Inner jacket	SHF1
Armour alt.1	Galvanised steel wire braid
Armour alt.2	Tinned Cu-braid (Triax)
Armour alt.3	Bronze wire braid
Jacket	SHF1
O.D.	7.5±0,20 [mm]
Weight	96.1 [kg/km]



Specifications

Operating temperature	-40 – 70 [°C]
Characteristic impedance	50 ± 2 [Ω]
Braid Resistance	14 [Ω/km]
Conductor resistance	36.5 [Ω/km]
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
Design and testing standards	IEC 60096-0-1 Ed 3
Sheathing material	IEC 60092-360 (359) NEK 606
Flame retardant	IEC 60332-1
Fire retardant	IEC 60332-3-22 Cat.A
Smoke emission	IEC 61034-1, -2
Certification	DNV-GL, ABS

Part No.	1092437

RoHS CE

Available with MUD resistant jacket, Part. no. 1092439

Attenuation nominal, max 105%

Frequency MHz	Attenuation dB/100m
5	3
10	4
50	9.4
100	13
200	18.6
300	23.3
500	31.2
600	34.7
800	41
1000	48.8
1350	56.6
1500	60.6
1750	66.9
2150	76.7
2250	78.4
2750	86.5
3000	89.5

Structural return loss

MHz	dB
30 – 300	>28
300 – 600	>27
600 – 1000	>25

Screen effectiveness IEC 61196-1

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