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RG 11 A/U Marine ARM

75Ω, PE solid

Al tape + Cu braided screen

+ armour steel wire braid, Equal to RG 12

SHF1

DNV-GL, ABS

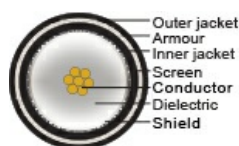
Application

Coaxial cable for data- and video use, suitable for installation on board of ship and other marine environments. Electrical data in compliance with MIL C-17/F. Steel wire braid armour meets requirements of EMC directive. The cable design equals RG 12, but with slightly improved electrical data.



Construction

Conductor	Stranded Tinned Cu 7 x 0,40 [mm]
Dielectricum	PE 7,25 ± 0,18 [mm]
Screen	Al + polyester + Al tape 100 [% optical coverage]
Screen 2	Cu- braid 96 [% optical coverage] 192 x 0,18 [mm]
Inner jacket	SHF1
Armour alt.1	Galvanised steel wire braid
Armour alt.2	Tinned Cu-braid
Armour alt.3	Bronze wire braid
Jacket	Black or grey SHF1
O.D.	13.50 ± 0.20 [mm]
Weight	277 [kg/km]
Jacket marking	RG 11 AU Marine SHF1 Armoured DNV IEC 60332-3-22



Specifications

Operating temperature	-40 – 70 [°C]
Braid Resistance	4.4 [Ω/km]
Conductor resistance	22.5 [Ω/km]
Test voltage	5.5 [kV]
Capacitance	67 [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)
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.	1092457-Black, 1092499-Grey



Suitable connector: F-J11 RG 11 ARM, prod.no: 65458
 Alternative product with MUD resistant jacket, part number 1092459

Attenuation

Frequency (MHz)	Attenuation Max. (dB/100m)
5	1,1
10	1,3
50	4,2
100	6,1
200	9,2
300	11,8
500	16,0
600	17,9
800	21,4
1000	24,3
1350	29,1
1500	31,0
1750	35,0
2150	40,2
2250	40,5
2500	42,4
2750	45,0
3000	49,0

Structural return loss dB

MHz	dB
30 - 300	> 30
300 - 600	> 27
600 - 1000	> 25
1000 - 2000	> 22
2000 - 3000	> 20

Screening effectiveness IEC 61196-1

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

Updated

Date	Rev.	Description
28.11.2015	1	
16.11.2016	2	ABS approval, minor text changes