RG 6 A/U Marine ARM MUD

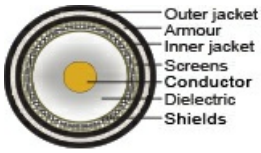
75Ω, PE solid
Al tape + two braided screens
+ armour steel wire braid
SHF2 MUD resistant jacket
DNV / ABS

Application

Robust long life coaxial cable designed for ship- and offshore environments. Electrical data in compliance with MIL C-17. Steel braid armour meets requirements of EMC shield and the triple shielded cable has better screen effiency than standard RG products.
RG 6 A/U must not be confused with RG 6, which is a simple CATV cable.

Construction

Conductor	Copperweld 0,72 ± 0,025 [mm]
Dielectricum	PE 4,7 ± 0,10 [mm]
Screen	Al-polyester + Al tape 100 [% optical coverage]
Screen	Silvercoated Cu braid 96 [% coverage]
Screen 2	Bare Cu-braid 96 [% optical coverage]
Inner jacket	SHF1 8.5 ± 0.10 [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.	15 ± 0.2 [mm]
Weight	305 [kg/km]
Jacket marking	NEK Kabel - RG 6 A/U Marine SHF2 ARMOURED



Specifications

Operating temperature normal	-40 – +70 [°C]
Braid Resistance	5 [Ω/km]
Conductor resistance	97 [Ω/km]
Test voltage	6 [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 and IEC 60754-2
Material properties, insulation and sheath	IEC 60092-360 (359)
Design and testing standards	IEC 60096-0-1 Ed 3
Flame resistance	IEC 60332-3-24 Cat.C
Flame retardant	IEC 60332-1
Smoke emission	IEC 61034-1 and IEC 61034-2
MUD resistant	NEK TS 606
Certification	DNV

Part No.	1092451

RoHS CE

Tips

Use BNC crimp LSD 53938C.
Can not be used with F-connectors.
Alternative armour, bronze or copper

Attenuation

Frequency (MHz)	Attenuation Max. (dB/100m)
5	1,8
10	2,3
50	5,7
100	8,1
200	11,7
300	14,5
500	19,0
600	21,0
800	24,6
1000	27,7
1350	32,6
1500	34,6
1750	38,7
2150	44,1
2250	44,5
2500	46,6
2750	49,3
3000	53,4

Structural return loss dB

MHz	dB
30 - 300	> 28
300 - 600	> 24
600 - 1000	> 22
1000 - 2000	> 18
2000 - 3000	> 15

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