

RG 214 U Marine

Trippelshielded

50Ω

SHF1

DNV / ABS

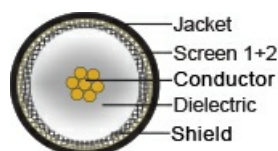
Application

Coaxial cable for ship and other marine environments with Extra screen for excellent EMC properties. For for VHF/UHF equipment. MIL 17-C/75.



Construction

Conductor	Stranded Silvercoated Cu 7 x 0,75 [mm]
Dielectricum	Low density PE 7,25 ± 0,18 [mm]
Screen	Al - polyester tape 100 [% optical coverage]
Screen	Silvercoated Cu braid 94 [% optical coverage]
Screen 2	Silvercoated Cu braid 98 [% optical coverage]
Jacket	Black SHF1
O.D.	10.8 ± 0.18 [mm]
Weight	206 [kg/km]



Specifications

Operating temperature normal	-40 – +70 [°C]
Characteristic impedance	50±2 [Ω]
Braid Resistance	4.2 [Ω/km]
Conductor resistance	6 [Ω/km]
Test voltage	5.5 [kV]
Capacitance	100 [pF/m]
Min. bending radius	15 [x outer diam]



Norms

Halogenfree, max content corrosive and toxic gases	IEC 60754-1 & IEC 60754-2
Design and testing standards	IEC 60096-0-1 Ed 3
Flame resistance	IEC 60332-3-22 Cat.A
Flame retardant	IEC 60332-1
Smoke emission	IEC 61034-2
UV-resistant	UL 1581, ISO 4892
Certification	DNV / ABS

Part No.	1092444
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Available with MUD resistance, part.no. 1092446



Attenuation

Frequency (MHz)	Attenuation Max. (dB/100m)
5	1,1
10	1,5
50	3,8
100	5,4
200	7,9
300	9,9
500	12,9
600	14,5
800	17,2
1000	19,6
1350	23,5
1500	24,8
1750	27,4
2150	30,9
2250	31,8
2500	34,0
2750	36,0
3000	37,6
5500	55



Structural return loss dB

MHz	dB
30 - 300	> 31
300 - 600	> 28
600 - 1000	> 27
1000 - 2000	> 24
2000 - 3000	> 22

Screening effectiveness IEC 61196-1

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