

RG 215 Marine LSZH

Type RG 215 M17/074

LSZH

50 Ohm

Application

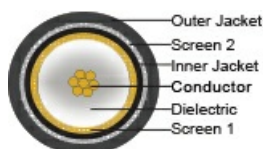
Coaxial cable for HF and communications equipment, RG 215 is an armored version of RG 213. Can be used in ship and offshore installations.

For approved type, see RG 213 U Marine ARM SHF1.



Construction

Conductor	Stranded Plain Cu 7 x 0,75 [mm]
Dielectricum	Cellular PE 7,25 ± 0,18 [mm]
Screen	Cu-braid 97 [% optical coverage] 192 x 0,18 [mm] + Polyester tape
Inner jacket	LSZH compound Ø=10,3±0,18 [mm]
Armour	Galvanised steel wire braid braid 85 [% optical cover] 144x0,24 [mm]
Outer Jacket	Black Halogenfree and flameretardant
O.D.	14,3 ± 0,20 [mm]
Weight	322 [kg/km]



Specifications Coax Cable

Temperature range	-40 - +70 [°C]
DC-resistance centre conductor	4,4 [Ω/km]
DC-resistance screen	6,0 [Ω/km]
Voltage rating	5,0 [kV-puls]
Impedance	50 ± 2 [Ω]
Capacitance	100 [pF/m]
Attenuation	see table
Velocity factor	66 %

Norms

Halogenfree, max content corrosive and toxic gases	IEC 60754-1 & IEC 60754-2
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Part No.	1092391
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Attenuation nominal, max 105%

Frequency MHz	Attenuation dB/100m
5	1,2
50	4,3
100	6,4
200	9,5
300	11,5
500	15,3
600	16,9
800	20,4
1000	23,2
1350	28,4
1500	30,4
1750	33,7
2150	38,9
2250	39,7
2500	42,7
2750	45,7
3000	48,9

Structural return loss

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

Screen effectiveness IEC 61196-1

MHz	dB
100 – 900	>70

Attenuation

Frequency (MHz)	Attenuation Max. (dB/100m)
5	1,2
50	4,3
100	6,4
300	11,5
500	15,3
800	20,4
1000	23,2
1500	30,4
2150	38,9
2500	42,7
3000	48,9