



RF 600 Marine 75Ω SHF2

Flexible Low-loss
Double screened
SHF2, UV
75Ω

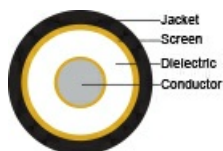
Application

Flexible low loss cable for video, CCTV, baseband and broadband applications. The cable can be used in offshore environments. The bending and handling characteristics are significant better than any smooth wall or corrugated hardline cables. Additionally, the cable provides low loss performance and high shielding effectiveness ensuring minimal signal degradation over long distances. Outer jacket SHF2 and UV-resistant.



Construction

Conductor	Solid Copper-clad Al 2.74 [mm]
Dielectricum	Foamed PE 11.60 ± 0.15 [mm]
Screen	Al-polyester + Al tape
Screen 2	Tinned Cu braid 90 [% optical coverage] 12.45 (288 x 0.15) [mm]
Jacket	Black SHF2 UV-resistant
O.D.	15.00 ± 0.20 [mm]
Weight	206 [kg/km]



Specifications Coax

Temperature range	-40 – +80 [°C]
Temperature range at installation	-20 – +60 [°C]
Temperature range storage	-40 – +80 [°C]
DC-resistance centre conductor	4.7 [Ω/km]
DC-resistance screen	3.9 [Ω/km]
Impedance	75 ± 3 [Ω]
Capacitance	53 [pF/m]
Velocity factor	84 [%]
Voltage withstand	6 [kV]
Min bending radius installed	5 [x outer diam.]
Min. bending radius at installation	10 [outer diam.]



Norms

Halogenfree, max content corrosive and toxic gases	IEC 60754-1 & IEC 60754-2
Material properties, insulation and sheath	IEC 60092-359
Design and testing standards	IEC 60811-3-1
Flame resistance	IEC 60332-3-22 & IEC 60332-3-24
Flame retardant	IEC 60332-1-2
Smoke emission	IEC 61034-2



Prod.no.	3030008
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Attenuation nominal, max 105%

Frequency MHz	Attenuation dB/100m
5	0.5
10	0.6
50	1.9
100	2.6
200	3.9
300	4.3
470	5.7
600	6.7
862	8.2
1000	8.8
1350	10.6
1500	10.9
1750	12.0
2150	13.7
2400	14.4
2750	15.7
3000	16.2



Structural return loss

MHz	dB
30 – 470	> 27
470 – 862	> 22
862 – 2150	> 19
2150 – 3000	> 16
3000 – 4500	> 15

Screening Effectiveness dB (EN 50117)

MHz	dB Ω /m
5 – 30	< 5
30 – 1000	> 95
1000 – 2000	> 90
2000 – 3000	> 80