

MARINE COAX CABLE
(Double Shielded)

RoHS



CABLE STRUCTURE

Inner Conductor	1,02 mm bare solid copper
Insulation	Gas Injected Skin/Foam/Skin Polyethylene compound
Screen 1	Aluminium/poleysther/aluminium tape
Screen 2	Aluminum wire braiding
Outer Sheath :	Halogen free flame retardant compound (SHFI)

TECHNICAL PROPERTIES

Overall diameter:	Ø 6,70 ± 0,20 mm
Cable Weight	44 kg/km
Min. Bending Radius	55 mm
Max. Tensile Strength	30 N
Operating Temperature	-20 °C / +70 °C
Screening Class	Class C
Construction	EN 50117-2-4 (MIL-C-17)
Flame Retardant	EN 60332-1-2, IEC 60332-3-24
Halogen Content	IEC 60754-1/2, IEC 60684-2
Smoke Emission	IEC 61034-1/2

ELECTRICAL PROPERTIES at 20°C

Max. Conductor Resistance	22,1 Ω / km
Min. Insulation Resistance	2 GΩ x km
Capacitance	53 ± 2 pF / m
Impedance	75 ± 3 Ω
Transfer Impedance at 5-30 Mhz	≤ 50 mΩ/m
Velocity of Propagation	84%
Test Voltage	5 kV
Operating Voltage	1000 V

Attenuations at 20°C

5 MHz	1.80 dB / 100m
50 MHz	5.60 dB / 100m
230 MHz	9.25 dB / 100m
470 MHz	14.10 dB / 100m
860 MHz	19.00 dB / 100m
1000 MHz	21.10 dB / 100m
1200 MHz	23.20 dB / 100m
2150 MHz	34.10 dB / 100m
3000 MHz	39.05 dB / 100m

Return Loss at 20°C

5-470 MHz	> 26 dB
470-1200 MHz	> 23 dB
1200-2000 MHz	> 20 dB
2000-3000 MHz	> 18 dB

Screen Attenuations

30-1200 MHz	≥ 75 dB
1200-2000 MHz	≥ 65 dB
2000-3000 MHz	≥ 55 dB

APPLICATIONS

These types of cables are used for antenna connections of CB, cordless systems and connection cables for terminals and systems of data transmission networks. These cables are Halogen Free, Non Corrosive and Flame retardant, thanks to the HFFR Compound that has been used on their construction.

