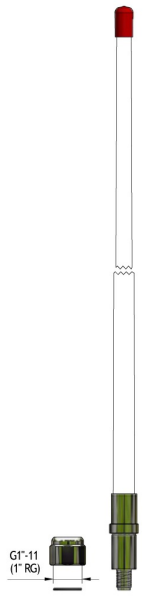
Lightweight, 6 dBd, Omnidirectional Base Station and Marine Antenna for the 900 MHz Band



DESCRIPTION

- CXL 900-6-NB/868 MHz is a narrow-band 6 dBd, vertically polarized, omnidirectional base station and marine antenna.
- The 1" revolving nut mounting system is standard throughout the maritime sector, and several different mounting brackets are available, making it possible to install the antenna either on the masthead, side mounted on the mast or mounted on the cross-beam. Also, the antenna can be mounted on deck or rooftop by means of the FLG. (See accessories).
- The higher the antenna is mounted, the better coverage. Avoid mounting the antenna parallel with or in the neighbourhood of other metal parts, such as masts, supporting wires etc. The antenna needs no ground-plane, radials nor other auxiliary arrangements.
- The carefully designed radiating element is sealed in a high-quality, conical glass fibre tube with low wind-load, ensuring undisturbed performance in all climates.
- To substantially reduce noise caused by atmospherical discharges, all metal parts in the antenna are DC-grounded. Consequently, the antenna shows a DC-short across the coaxial cable.
- The CXL 900-6-NB/868 MHz is a vibration-proof, lightweight, slim-line, corrosion resistant, modern style base station and marine antenna.

ORDERING

Model	Product No.
CXL 900-6-NB/868 MHz	100000727

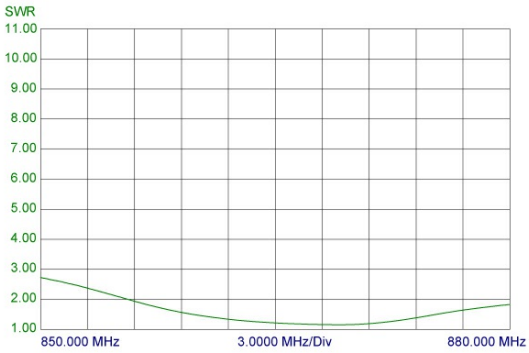
SPECIFICATIONS

Electrical	
Model	CXL 900-6-NB/868 MHz
Frequency	860 - 880 MHz
Antenna Type	Collinear, narrow-band
Max. Input Power	150 W
Polarisation	Vertical
Pattern Type	Omnidirectional
3 dB Beamwidth, E-Plane	14 °
3 dB Beamwidth, H-Plane	Omnidirectional
Impedance	50 Ω
Gain	6 dBd (8.2 dBi)
Bandwidth	20 MHz
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)
HCM Code(s)	

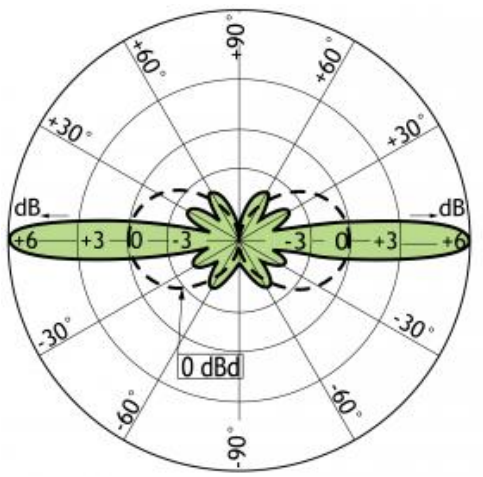
Mechanical	
Connection(s)	N(f)
Materials	Shroud: Polyurethane-coated glass fibre Mounting bracket: Chromed brass
Colour	White (RAL 9003)
Wind Area	0.028 sq. m / 0.30 sq. ft
Wind Load	35 N (160km/h)
Dia. At Top End	20 mm / 0.79 in.
Dia. At Bottom End	23 mm / 0.91 in.
Height	1800 mm / 70.87 in.
Weight	1 kg / 2.20 lb
Mounting	On 1" RG (G1" - 11) threaded water pipe or on optional mounting brackets (see accessories)

Environmental	
Operating Temperature Range	-30°C to +70°C

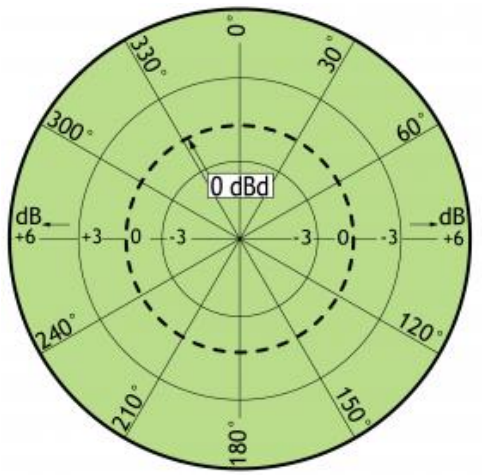
TYPICAL SWR CURVE



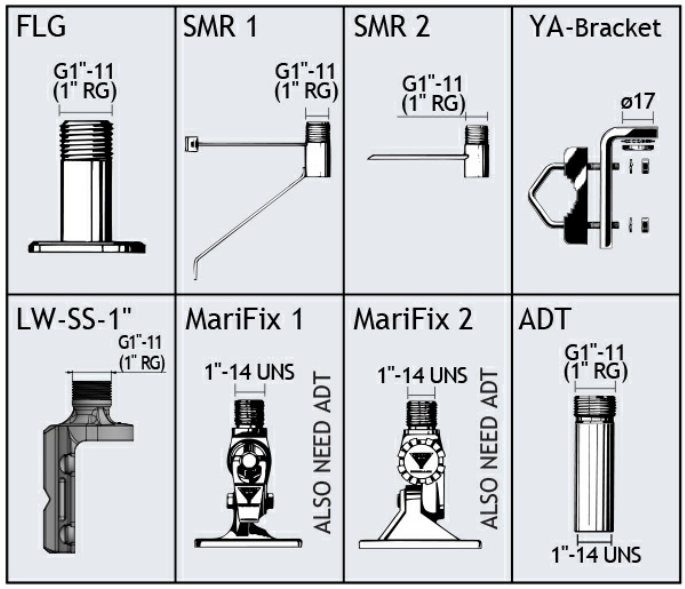
TYPICAL RADIATION PATTERN (E-PLANE)



TYPICAL RADIATION PATTERN (H-PLANE)



ACCESSORIES (TO BE ORDERED SEPARATELY)



PLEASE NOTE

The antenna is delivered with a DC-connection between the antenna element and the mounting bracket.