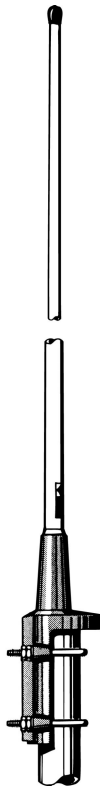


CXL 1800-8C

8 dBd Omnidirectional Base Station and Marine Antenna for the 1800 MHz Band

DESCRIPTION

- Vertically polarized, omnidirectional base station and marine antenna.
- Approximately 8 dBd gain.
- Provided with the "C" mounting bracket – a universal fixation bracket made of epoxy-coated seawater resistant aluminium.
- The accompanying U-bolts and fittings are made of stainless steel.
- To be mounted on mast tubes, 27 to 65 mm in outer diameter.
- The cable can be led either on the outside or along the inside of the mast tube.
- Large bandwidth with respect to both SWR and gain.
- Highly suitable for duplex operation with large spacing between the TX and the RX frequencies, e.g. the DCS-1800/PCN cellular system.
- The antenna element is sealed in a high-quality, conical glass fibre tube.
- All metal parts in the antenna are DC-grounded to reduce the noise caused by atmospherical discharge. Consequently, the antenna shows a DC-short across the coaxial cable.
- The CXL 1800-8C is a vibration-proof, slim-line, corrosion resistant, modern style base station and marine antenna.



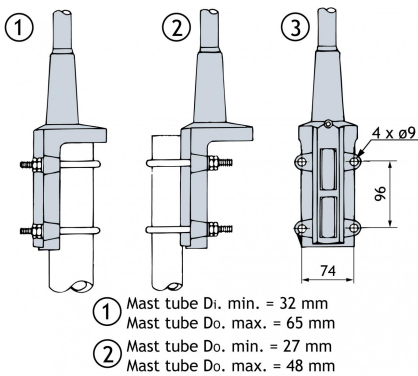
ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
CXL 1800-8C	100000184

SPECIFICATIONS

ELECTRICAL	
MODEL	CXL 1800-8C
ANTENNA TYPE	Coaxial, collinear antenna, broad-banded
FREQUENCY	1710 – 1880 MHz
IMPEDANCE	Nom. 50 Ω
POLARIZATION	Vertical
GAIN	10 dBi 8 dBd
BANDWIDTH	Approx. ≥ 200 MHz @ SWR ≤ 1.75
SWR	≤ 1.75, typ. ≤ 1.5
MAX. POWER	100 W
ANTISTATIC PROTECTION	All metal parts DC-grounded (Connector shows a DC-short)
MECHANICAL	
TEMP. RANGE	-30°C → +70°C
CONNECTOR	N-female
WIND SURFACE	Approx. 0.04 m²
WIND LOAD	Approx. 51 N @ 160 km/h
COLOUR	Marine white
MATERIALS	Shroud: Polyurethane-coated glass fibre Mounting bracket: Seawater resistant aluminium, epoxy-coated Clamps: Stainless steel
TOTAL HEIGHT	Approx. 1.5 m
DIA. IN TOP END	20 mm
DIA. IN BOTTOM END	23 mm
WEIGHT	Approx. 1.5 kg
MOUNTING	On 27 – 65 mm dia. mast tube

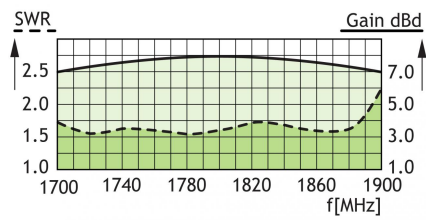
MULTI-PURPOSE MOUNTING BRACKET



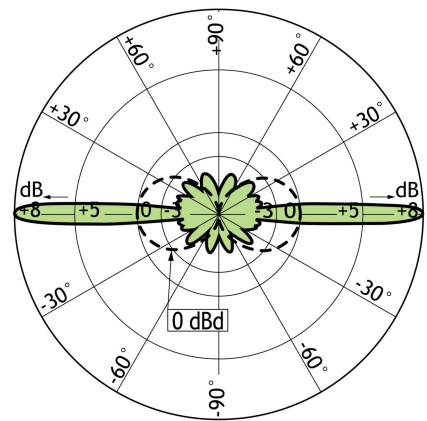
PLEASE NOTE

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

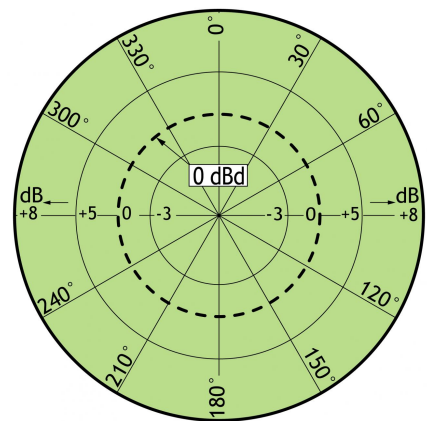
TYPICAL GAIN AND SWR CURVES



TYPICAL RADIATION PATTERN (E-PLANE)



TYPICAL RADIATION PATTERN (H-PLANE)



PROCOM France S.A.R.L. se réserve le droit
d'améliorer les spécifications sans préavis.
14/02/13