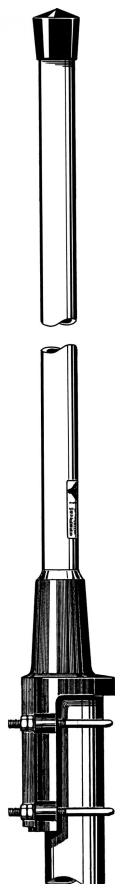


CXL 2/70C

Dual-frequency, Base Station Antenna for the 160 MHz and 450 MHz Bands

DESCRIPTION

- CXL 2/70C is a dual-frequency base station antenna - two bands with only one antenna.
- This antenna makes it possible to:
 - operate 160 and 450 MHz transceivers alternately on the same antenna
 - operate two transceivers (160 and 450 MHz) at the same time on one antenna using a diplexer (type DIPX 225/330 - must be ordered separately).
- CXL 2/70C is designed for fixation on supporting tubes with outer diameter between 27 mm and 65 mm.
- The construction of the mount makes it possible to lead the cable either inside or along the outside of the mast tube.
- Atmospheric discharges are immediately led to ground as all metal parts are DC-grounded (consequently, the antenna shows a DC-short across the coaxial cable).



ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
CXL 2/70C	100000103

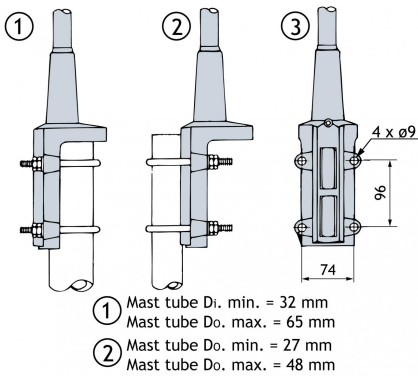
SPECIFICATIONS

ELECTRICAL	
MODEL	CXL 2/70C
ANTENNA TYPE	Coaxial, dual-frequency base station antenna
FREQUENCY	160 MHz-band freq. to be stated within: 144 - 175 MHz 450 MHz-band freq. to be stated within: 380 - 470 MHz
IMPEDANCE	Nom. 50 Ω
RADIATION	Omnidirectional
POLARIZATION	Vertical
GAIN	Approx. 2 dBi 0 dBd
BANDWIDTH	160 MHz: ≥ 8 MHz @ SWR 2.0 450 MHz: ≥ 20 MHz @ SWR 2.0
SWR	≤ 1.5 @ f. res. in both bands
MAX. POWER	100 W (for each band)
ANTISTATIC PROTECTION	All metal parts DC-grounded (Connector shows a DC-short)
MECHANICAL	
CONNECTOR	N-female
WIND SURFACE	0.067 m²
WIND LOAD	85 N @ 160 km/h
COLOUR	Marine white
MATERIALS	Radome : Polyurethane-coated glass fibre Mounting bracket: Seawater resistant aluminium, epoxy-coated
TOTAL HEIGHT	Approx. 1.3 m
WEIGHT	Approx. 2.5 kg
MOUNTING	On 27 - 65 mm dia. mast tube

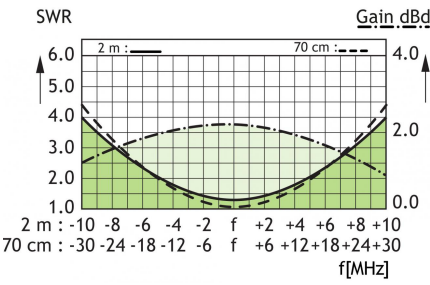
ORDERING

The antenna is delivered factory-tuned to two single frequencies or two frequency-bands. These two frequencies (stated in MHz) must be specified when ordering.

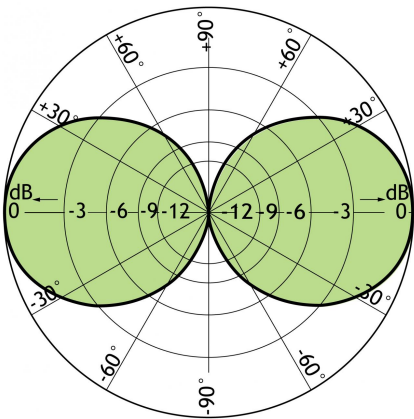
MULTI-PURPOSE MOUNTING BRACKET



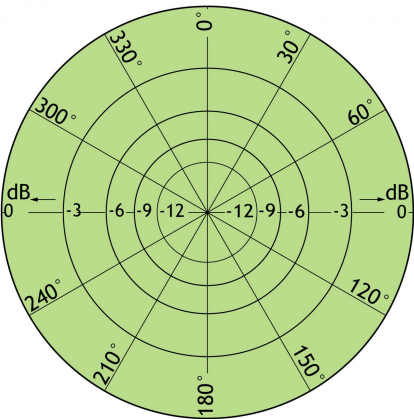
TYPICAL GAIN AND SWR CURVES



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.
17/01/12