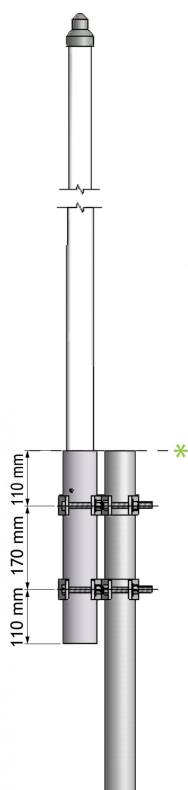


## CXL 70-5SL/...

Sturdy, 5 dBd, Omnidirectional Base Station Antenna for the TETRA Bands

### DESCRIPTION

- CXL 70-5SL/... is an 5 dBd, vertically polarized, omnidirectional base station antenna for the TETRA bands.
- The antenna has a band width of 20 MHz.
- The antenna is provided with our type "SL" (Slim Line) mast mount, which is a multipurpose mounting tube made of non-corrosive aluminium. The accompanying clamp set and fittings are made of hot galvanized steel.
- The antenna can be mounted on mast tubes of 33 to 70 mm in outer diameter.
- The antenna element is sealed in a high-quality, conical glass fibre tube with low wind-load, which will ensure performance undisturbed 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.
- CXL 70-5SL/... is a vibration-proof, slim-line, corrosion-resistant, modern style base station antenna.



- \* The top of the mounting SL tube must be in alignment with the top of the mast.

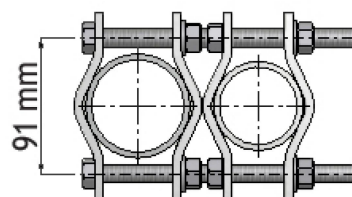
### ORDERING DESIGNATIONS

TYPE	PRODUCT NO.	FREQUENCY
CXL 70-5SL/l	100000326	380 - 400 MHz
CXL 70-5SL/h	100000327	410 - 430 MHz

### SPECIFICATIONS

ELECTRICAL	
MODEL	CXL 70-5SL/...
ANTENNA TYPE	High-gain collinear
FREQUENCY	380 - 400 MHz and 410 - 430 MHz
IMPEDANCE	Nom. 50 $\Omega$
RADIATION	Omnidirectional
POLARIZATION	Vertical
GAIN	7 dBi 5 dBd
HALF POWER BEAMWIDTH	15°
BANDWIDTH	20 MHz
SWR	$\leq 1.5$
MAX. POWER	250 W
ANTISTATIC PROTECTION	All metal parts DC-grounded (Connector shows a DC-short)
MECHANICAL	
CONNECTOR	N-female
WIND SURFACE	0.21 m <sup>2</sup>
WIND LOAD	274 N @ 160 km/h
COLOUR	Marine white
MATERIALS	Radome: Polyurethane-coated glass fibre Procom clamp set: Hot galvanized steel
TOTAL HEIGHT	Approx. 3.2 m
WEIGHT	Approx. 5.3 kg (8 kg incl. clamp set)
MOUNTING	On 33 - 70 mm dia. mast tube
ENVIRONMENTAL	
TEMP. RANGE	-30°C $\rightarrow$ +70°C

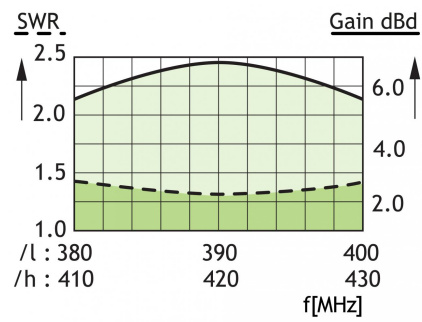
### PROCOM CLAMP SET



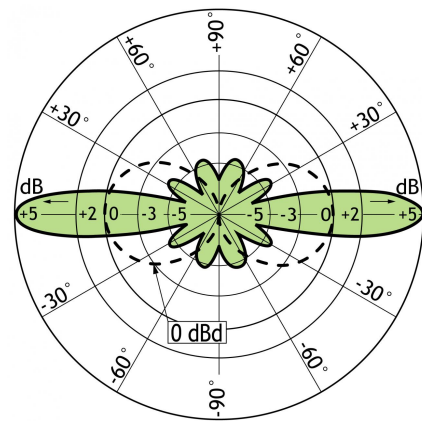
### PLEASE NOTE

When using the CXL 70-5SL/... at windy locations where wind speeds of more than 150 km/h can be expected, the antenna must be mounted on the side of the mast and the top section of the glass fibre tube stabilized with a bracket.

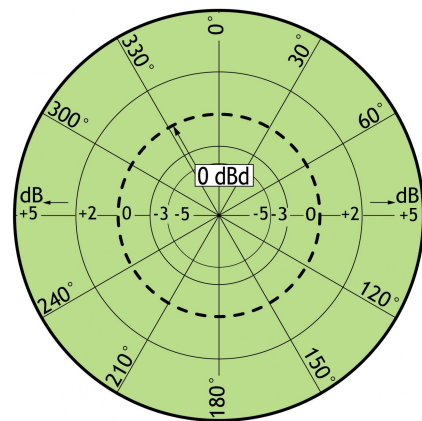
TYPICAL GAIN AND SWR CURVES



TYPICAL RADIATION PATTERN (E-PLANE)



TYPICAL RADIATION PATTERN (H-PLANE)



PROCOM France S.A.R.L. se r serve le droit  
d'am liorer les sp cifications sans pr avis.  
09/12/13