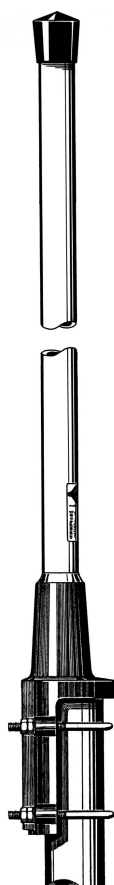


CXL 4-2C/...

Unity Gain, Broad-banded, Omnidirectional Base Station Antenna for the 80 MHz Band

DESCRIPTION

- CXL 4-2C/... is a 0 dBd gain, omnidirectional rod-type base station antenna for the 80 MHz band.
- The 80 MHz-band is covered in 4 frequency segments: 66 - 80 MHz, 70 - 84 MHz, 74 - 88 MHz and 88 - 108 MHz.
- CXL 4-2C/... 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.
- A glass fibre tube completely encloses the carefully designed radiating element to ensure long dependable service in all climates.
- Atmospheric discharges are immediately led to ground as all metal parts are DC-connected. Consequently, the antenna shows a DC-short across the coaxial cable.
- This antenna is used where reliability is of utmost importance. A long lifetime has been taken into consideration when designing this antenna – it is sturdy and strong.



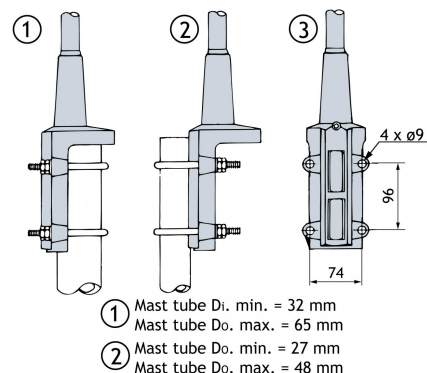
ORDERING DESIGNATIONS

| TYPE | PRODUCT NO. | FREQUENCY |
|-------------|-------------|--------------|
| CXL 4-2C/l | 100000059 | 66 - 80 MHz |
| CXL 4-2C/m | 100000058 | 70 - 84 MHz |
| CXL 4-2C/h | 100000057 | 74 - 88 MHz |
| CXL 4-2C/hh | 100000470 | 88 - 108 MHz |

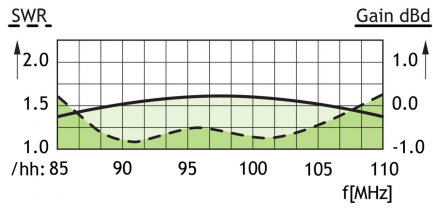
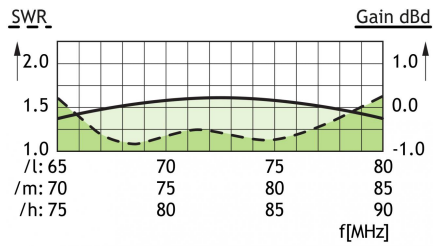
SPECIFICATIONS

| ELECTRICAL | |
|-----------------------|--|
| MODEL | CXL 4-2C/... |
| ANTENNA TYPE | Coaxial, broad-band dipole |
| FREQUENCY | Models within 66 - 108 MHz (see model survey) |
| IMPEDANCE | Nom. 50 Ω |
| RADIATION | Omnidirectional |
| POLARIZATION | Vertical |
| GAIN | 2 dBi 0 dBd |
| BANDWIDTH | 14 - 20 MHz dep. of model |
| SWR | ≤ 1.6 |
| MAX. POWER | 600 W |
| ANTISTATIC PROTECTION | All metal parts DC-grounded (Connector shows a DC-short) |
| MECHANICAL | |
| CONNECTOR | N-female |
| WIND SURFACE | 0.15 m ² |
| WIND LOAD | 190 N @ 160 km/h |
| COLOUR | Marine white |
| MATERIALS | Radiating part: Glass fibre, polyurethane-lacquered Mast clamp : Seawater-resistant aluminium, epoxy-coated |
| TOTAL HEIGHT | Approx. 3.1 m |
| WEIGHT | Approx. 4.5 kg |
| MOUNTING | On 27 - 65 mm dia. mast tube |

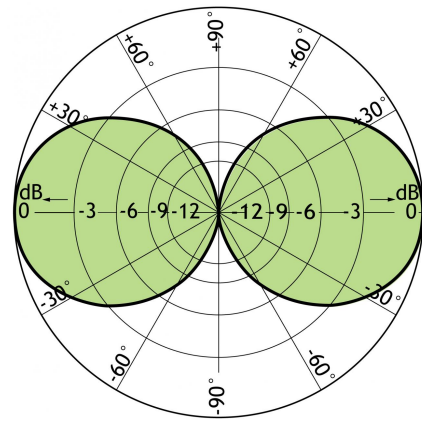
MULTI-PURPOSE MOUNTING BRACKET



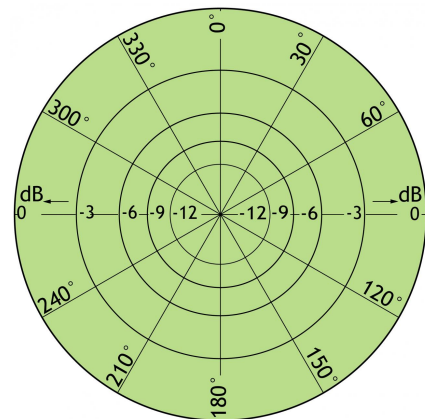
TYPICAL GAIN AND SWR CURVES



TYPICAL RADIATION PATTERN (E-PLANE)



TYPICAL RADIATION PATTERN (H-PLANE)



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19/12/12