

2640400131

# CXL70-1LW/h

Omnidirectional UHF Antenna, 420–470 MHz

- Covers the 420–470 MHz UHF frequency band
- Omnidirectional radiation pattern with vertical polarisation
- Unity gain: 0 dBd / 2 dBi
- Corrosion-resistant construction for base station and marine installations
- Mounts on vertical or horizontal mast tubes, 16–54 mm in diameter
- N-female connector and maximum input power of 200 W

UHF Marine

## Description

The CXL70-1LW/h is a lightweight, omnidirectional UHF antenna for base station and marine radio installations.

## CXL70-1LW/h UHF Antenna for Base Station and Marine Use

The broadband half-wave dipole is enclosed in a polyurethane-coated glass fibre shroud, with a seawater-resistant aluminium mounting bracket and stainless steel fittings. The bracket supports installation on vertical or horizontal mast tubes, with cable routing either inside or outside the mast. All metal parts are DC-grounded to reduce noise caused by atmospheric discharges.



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# Specifications

## ELECTRICAL

| | |
|---|---|
| Antenna type | Broadband ½-wave coaxial dipole |
| Frequency range | 420–470 MHz |
| Impedance | Nominal 50 Ω |
| Radiation pattern | Omnidirectional |
| Polarisation | Vertical |
| Gain | 0 dBd / 2 dBi |
| SWR | ≤ 1.5 |
| Maximum input power | 200 W |
| Connector | N-female |
| Antistatic protection | All metal parts DC-grounded; connector presents a DC short circuit |

## MECHANICAL AND ENVIRONMENTAL

| | |
|---|---|
| Total height | Approximately 680 mm |
| Diameter, top | 12 mm |
| Diameter, bottom | 16 mm |
| Weight | Approximately 650 g |
| Colour | Marine white |
| Shroud material | Polyurethane-coated glass fibre |
| Mounting bracket | Epoxy-coated, seawater-resistant aluminium |
| Clamps and fittings | Stainless steel |
| Mounting | Vertical or horizontal mast tubes, 16–54 mm diameter |
| Wind surface area | 0.0192 m² |
| Wind load | 24 N at 160 km/h |
| Temperature range | –35 °C to +70 °C |



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