

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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