



9011001016

## UFH Antenna CXL70-1LW/h

Antenna

- ✓ Large Bandwidth with respect to both SWR and gain
- ✓ Vibration-proof
- ✓ Lightweight
- ✓ Corrosion Resistant

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### Description

The UFH Antenna CXL70-1LW/h is a vibration-proof, lightweight, slim-line, corrosion resistant, modern style base station and marine antenna. To substantially reduce noise caused by atmospheric discharges, all metal parts in the UFH Antenna CXL70-1LW are DC-grounded. Consequently, the antenna shows a DC-short across the coaxial cable.

### UFH Antenna CXL70-1LW/h

The carefully designed, broadbanded  $\frac{1}{2} \lambda$ -dipole radiating element is made of brass tube and sealed in a high-quality conical glass fibre tube with low wind-load. The accompanying U-bolts and fittings are made of stainless steel. The antenna can be mounted on vertical or horizontal mast tubes, 16 to 54 mm in outer diameter. The cable can be led either on the outside or along the inside of the mast tube.

PLEASE NOTE The antenna is delivered with a DC-connection between the antenna element and the mounting bracket.

# Specifications

## ELECTRICAL

Antenna Type	$\frac{1}{2} \lambda$ coaxial dipole, broad-banded
Frequency	CXL 70-1LW/l : 380 - 430 MHz
	CXL 70-1LW/h : 420 - 470 MHz
	CXL 70-1LW/hs : 460 - 510 MHz
Impedance	Nom. 50 $\Omega$
Radiation	Omnidirectional
Polarization	Vertical
Gain	2 dBi 0 dBd
Bandwidth	50 - 60 MHz dep. of model
SWR	$\leq 1.5$
Max Power	200 W
Antistatic Protection	All metal parts DC- grounded (Connector shows a DC-short)

## MECHANICAL

Temp. Range	-35°C → +70°C
Connector	N-female
Wind Surface	0.0192 m <sup>2</sup>
Wind Load	24 N @ 160 km/h
Color	Marine White
Materials	Shroud: Polyurethane-coated glass fibre
	Mounting bracket: Seawater resistant aluminium, epoxy-coated
	Clamps: Stainless Steel
Total Height	Approx. 680mm
Dia. in Top End	12 mm
Dia. in Bottom End	16 mm
Weight	Approx. 650 g
Mounting	On 16 to 54 mm dia. mast tub