

## CXU1-2

300001-T

Marine and Land Based UHF Antenna. Tx/Rx. 100W

0 dBd. N female. Packed in a tube.

This is an omnidirectional dipole antenna. The antenna is for use with radio telephone, two-way business radio and many other UHF applications. This antenna is manufactured in premium quality materials in order to prevent galvanic corrosion. Radiating elements are made of brass. The antenna is manufactured using crimping technology giving the antenna a 4-5 times stronger build-up. The antenna is always subject for improvement. The antenna has the same rugged design as all other AC Antennas products thus it withstands harsh environmental conditions, both on Sea and Land.

### Short description

|               |                 |
|---------------|-----------------|
| Product group | UHF             |
| Design        | Coaxial dipole  |
| Pattern       | Omnidirectional |

### Electrical specifications

|                          |              |
|--------------------------|--------------|
| Frequency range [MHz]    | 450.0-470.0  |
| Bandwidth [MHz]          | 20           |
| Nominal Impedance [Ohm]  | 50           |
| Max. Input Power [Watt]  | 100          |
| Gain [dBd/Marine dB/dBi] | 0 / 2.15 / 3 |
| VSWR                     | <1.5:1       |
| Polarisation             | Vertical     |
| DC Shorted               | Yes          |
| DC Grounded              | Yes          |
| Connector                | N-Female     |

### Mechanical specifications

|  |                          |
|--|--------------------------|
| Length [m/ft]                          | 0.85 / 2.80              |
| Sections                               | 1                        |
| Weight [kg/lbs]                        | 0.50 / 1.10              |
| Survival Wind Speed [km/h / m/s / mph] | 160 / 44 / 99            |
| Wind Area [m2/ft2]                     | - / -                    |
| Wind Load @ 160km/h [N]                | -                        |
| Material                               | Fibreglass               |
| Colour                                 | White                    |
| Operating Temperature Range [°C/°F]    | -55 to +60 / -67 to +140 |
| Ingress Protection                     | IP66                     |
| Thread                                 | 1" 14TPI male / -        |
| Mounting                               |                          |