

# MARINE CATALOGUE

Antennas & Accessories



2021

# THE WORLD'S ULTIMATE ANTENNAS.



**AC ANTENNAS** 

Antennas. They mean everything to us.

In a world where two-thirds of the globe is covered by water, marine antenna products are our world.

Since 1970, AC Antennas has been known for our relentless commitment in utilizing our 50+ years of experience towards one pure goal: providing the best antennas in the world.

Today we have a large portfolio of marine, land based and portable antennas.

Our marine products are engineered and manufactured in Denmark to the highest possible quality level for vessels within the major marine markets of; commercial, fishing and yachting. All of our products are distributed worldwide through our professional partners.

We take pride in our products and our worldwide partners but even more in our loyal and faithful customers throughout decades.

Welcome to our world. Welcome to a world of antennas.



## CX4

100011-T

Professional VHF-antenna recommended by major radio manufacturers:

- Excellent RF specifications
- Exceptional material quality
- The benchmark 0 dBd VHF antenna for the maritime industry
- Recommended for AIS-solutions
- Ideal for land based solutions too
- Option: various antenna versions available (see table)

## Specifications

|              |             |        |               |
|--------------|-------------|--------|---------------|
| Frequency    | Gain        | Power  | VSWR          |
| 146-162.5MHz | 0 dBd       | 150W   | <1.5:1        |
| Connector    | Length      | Weight | Thread        |
| UHF          | 1.26m       | 0.5kg  | 1" and 1 1/4" |
| DC Shorted   | DC Grounded |        |               |
| Yes          | Yes         |        |               |



## CX3 5/8

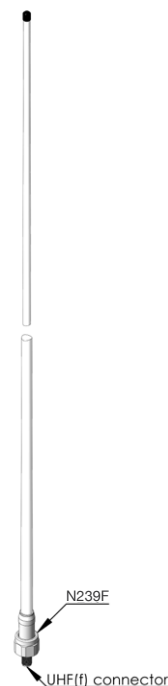
130002-T

Professional VHF-antenna recommended by major radio manufacturers:

- Excellent RF specifications
- Exceptional material quality
- The benchmark 3 dBd VHF antenna for the maritime industry
- Recommended for AIS-solutions
- Ideal used for land based solutions too
- Option: various antenna versions available (see table)

## Specifications

|              |             |        |               |
|--------------|-------------|--------|---------------|
| Frequency    | Gain        | Power  | VSWR          |
| 156-162.5MHz | 3 dBd       | 100W   | <1.5:1        |
| Connector    | Length      | Weight | Thread        |
| UHF          | 2.6m        | 0.6kg  | 1" and 1 1/4" |
| DC Shorted   | DC Grounded |        |               |
| Yes          | Yes         |        |               |



## CX4 types

| Product name | Product number | Frequency [MHz] | Connector [female] | Mount included |
|--------------|----------------|-----------------|--------------------|----------------|
| CX4          | 100011-T       | 146-162.5       | UHF                | N239F          |
| CX4-1        | 100012-T       | 146-162.5       | N                  | N239F          |
| CX4-2        | 100038-T       | 146-162.5       | UHF                | N162F          |
| CX4-3        | 100015-T       | 146-162.5       | UHF                | -              |
| CX4-5        | 100040-T       | 146-162.5       | UHF                | N171F          |
| CX4-6        | 100017-T       | 146-162.5       | N                  | -              |
| CX4-8        | 100018-T       | 135-150         | UHF                | -              |
| CX4-9        | 100019-T       | 118-137         | N                  | -              |
| CX4-11       | 100013-T       | 154-174         | UHF                | -              |
| CX4-12       | 100014-T       | 154-174         | N                  | -              |
| CX4b         | 100022-T       | 146-162.5       | UHF                | N239F          |
| CX4b-1       | 100059-T       | 146-162.5       | N                  | N239F          |
| CX4b-2       | 100060-T       | 146-162.5       | UHF                | N162F          |
| CX4b-3       | 100061-T       | 146-162.5       | UHF                | -              |
| CX4b-5       | 100063-T       | 146-162.5       | UHF                | N171F          |
| CX4b-6       | 100023-T       | 146-162.5       | N                  | -              |
| CX4b-8       | 100065-T       | 135-150         | UHF                | -              |
| CX4b-11      | 100066-T       | 154-174         | UHF                | -              |

## CX3 5/8 types

| Product name | Product number | Frequency (MHz) | Connector (female) | Mount included |
|--------------|----------------|-----------------|--------------------|----------------|
| CX3 5/8      | 130002-T       | 156-162.5       | UHF                | N239F          |
| CX3 5/8-1    | 130003-T       | 156-162.5       | N                  | N239F          |
| CX3 5/8-10   | 130004-T       | 156-162.5       | UHF                | -              |

**WE CRIMP OUR ANTENNAS.  
4-5 TIMES STRONGER BUILD-UP  
DUE TO CRIMPING.**



## CELmar0-1

100000-P

Stainless steel sailboat omnidirectional VHF-antenna, suitable for rail or mast mounting:

- Excellent RF specifications
- Exceptional material quality
- Tunable version available (CELmar0T)
- Recommended for AIS-solutions
- Suitable for DAB/FM reception
- Ideal for land based solutions too
- Option: available with mount, cable and/or tube

## Specifications

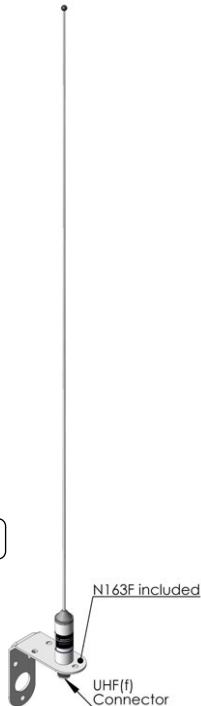
Frequency (MHz)

A: 156-162.5, B: 160-250 (DAB), C: 88-108 (FM)

Gain: 0 dBd Power: 100W VSWR: A: <1.5:1

Connector: UHF Length: 1.0m Weight: 0.4kg Thread: 5/8" 24TPI

DC Shorted: No DC Grounded: Yes



## CELmar2-1

100005-P

High quality lightweight omnidirectional fibreglass antenna, equipped with ferrule:

- Excellent RF specifications
- Exceptional material quality
- Installation directly onto 1"-14TPI mounts
- Cable length variants available
- Recommended for AIS-solutions
- Suitable for DAB/FM reception
- Ideal for land based solutions too
- Option: available with 6m, 10m or 18m RG58 cable

## Specifications

Frequency (MHz)

A: 156-162.5, B: 160-250 (DAB), C: 88-108 (FM)

Gain: 0 dBd Power: 100W VSWR: A: <1.5:1

Cable: RG58C/U Length: 1.04m Weight: 0.6kg Thread: 1" ferrule

DC Shorted: No DC Grounded: No



## CELmar3-1

130000-P

High quality lightweight omnidirectional fibreglass antenna, equipped with ferrule:

- Excellent RF specifications
- Exceptional material quality
- Installation directly onto 1"-14TPI mounts
- Various cable length variants available
- Recommended for AIS-solutions
- Suitable for DAB/FM reception
- Ideal for land based solutions too
- Option: available with 6m or 18m RG58 cable, tube

## Specifications

Frequency (MHz)

A: 156-162.5, B: 160-250 (DAB), C: 88-108 (FM)

Gain: 3 dBd Power: 100W VSWR: A: <1.5:1

Cable: RG58C/U Length: 2.7m Weight: 0.9kg Thread: 1" ferrule

DC Shorted: Yes DC Grounded: No



## VHFlight100

100024-C

Omnidirectional whip antenna in glass fibre suitable for leisure boats etc. The antenna is equipped with the installation friendly Celwave base:

- Excellent RF specifications
- Exceptional material quality
- Various cable and mounts available
- Suitable for DAB/FM reception
- Option: available with mount and cable set

## Specifications

Frequency (MHz)

A: 156-162.5, B: 160-250 (DAB), C: 88-108 (FM)

Gain: 0 dBd Power: 100W VSWR: A: <2:1

Connector: UHF Length: 1.14m Weight: 0.3kg Thread: 1" ferrule

DC Shorted: No DC Grounded: Yes





**QUALITY.  
TO PROFESSIONALS.  
BY PROFESSIONALS.**



**KUM480****248000-P**

Professional HF/SSB-antenna recommended by major radio manufacturers:

- Excellent RF specifications
- Exceptional material quality
- Works with Automatic Tuner Unit systems
- Side fed
- Available in different versions:
  - Tx/Rx or Rx only: 0.15-30MHz
  - Wire or Coax installation
  - Mast, wall or ferrule mounting
- Ideal for land based solutions too

**Specifications**

|                 |        |                |
|-----------------|--------|----------------|
| Frequency       | Power  | Max HF Voltage |
| 1.4-30MHz       | 500W   | 9kV            |
| Sections        | Length | Weight         |
| 2               | 4.8m   | 2kg            |
| Static Capacity |        |                |
| 55pF            |        |                |

**KUM600****260000-P**

Professional HF/SSB-antenna recommended by major radio manufacturers:

- Excellent RF specifications
- Exceptional material quality
- Works with Automatic Tuner Unit systems
- Side fed
- Available in different versions:
  - Tx/Rx or Rx only: 0.15-30MHz
  - Wire or Coax installations
  - Mast, wall or ferrule mounting
  - 2 or 3 sections
- Ideal for land based solutions too

**Specifications**

|                 |        |                |
|-----------------|--------|----------------|
| Frequency       | Power  | Max HF Voltage |
| 1.4-30MHz       | 750W   | 9kV            |
| Sections        | Length | Weight         |
| 2               | 6m     | 2.5kg          |
| Static Capacity |        |                |
| 70pF            |        |                |

**KUM803****280300-T**

Professional HF/SSB-antenna recommended by major radio manufacturers:

- Excellent RF specifications
- Exceptional material quality
- Works with Automatic Tuner Unit systems
- Side fed
- Available in different versions:
  - Tx/Rx or Rx only: 0.15-30MHz
  - Wire or Coax installations
  - Mast, wall or deck mounting
  - 2 or 3 sections
- Ideal for land based solutions too

**Specifications**

|                 |        |                |
|-----------------|--------|----------------|
| Frequency       | Power  | Max HF Voltage |
| 1.4-30MHz       | 1200W  | 18kV           |
| Sections        | Length | Weight         |
| 3               | 8m     | 5,7kg          |
| Static Capacity |        |                |
| 100pF           |        |                |

**KUM903****290300-T**

Professional HF/SSB-antenna recommended by major radio manufacturers:

- Excellent RF specifications
- Exceptional material quality
- Works with Automatic Tuner Unit systems
- Side fed
- Available in different versions:
  - Tx/Rx or Rx only: 0.15-30MHz
  - Wire or Coax installations
  - Mast, wall or deck mounting
  - 2 or 3 sections
- Ideal for land based solutions too

**Specifications**

|                 |        |                |
|-----------------|--------|----------------|
| Frequency       | Power  | Max HF Voltage |
| 1.4-30MHz       | 1200W  | 18kV           |
| Sections        | Length | Weight         |
| 3               | 9m     | 7,3kg          |
| Static Capacity |        |                |
| 100pF           |        |                |





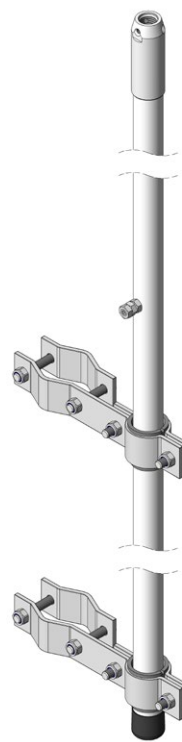
**KUM700****270000-P**

Professional HF/SSB-antenna recommended by major radio manufacturers:

- Excellent RF specifications
- Exceptional material quality
- Works with Automatic Tuner Unit systems
- Side fed
- Available in different versions:
  - Tx/Rx or Rx only: 0.15-30MHz
  - Wire or Coax installations
  - Mast, wall or ferrule mounting
  - 2 or 3 sections
- Ideal land based solutions too

**Specifications**

|                               |                                |                              |
|-------------------------------|--------------------------------|------------------------------|
| Frequency<br><b>1.4-30MHz</b> | Power<br><b>1000W</b>          | Max HF Voltage<br><b>9kV</b> |
| Sections<br><b>2</b>          | Length<br><b>7m</b>            | Weight<br><b>2.9kg</b>       |
|                               | Static Capacity<br><b>80pF</b> |                              |

**Installation Type**

MAST



DM/DMC



MWM

Installation guides are available at: [www.acantennas.com](http://www.acantennas.com)

**MF/HF combinations**

**More than 100 KUM combinations.**  
**Choose between length, sections, installation...**

| Models [names] | Length [approx. m] | 2 parts | 3 parts | Mast mount | MastWallMount [MWM models] | DeckMount [DM models] | 1"     | Wire Instal. [Tx/Rx] | Coax Instal. -1:Tx/Rx -2: Rx only |
|----------------|--------------------|---------|---------|------------|----------------------------|-----------------------|--------|----------------------|-----------------------------------|
| KUM48X         | 5                  | KUM480  | -       | KUM480     | KUM480MWM                  | -                     | KUM481 | KUM48X               | KUM48X-1 or -2                    |
| KUM6XX         | 6                  | KUM600  | KUM603  | KUM60X     | KUM60XMWM                  | -                     | KUM601 | KUM60X               | KUM60X-1 or -2                    |
| KUM7XX         | 7                  | KUM700  | KUM703  | KUM70X     | KUM70XMWM                  | -                     | KUM701 | KUM70X               | KUM70X-1 or -2                    |
| KUM8XX         | 8                  | KUM850  | KUM803  | KUM80X     | KUM8XXMWM                  | KUM8XXDM              | -      | KUM8XX               | KUM8XX-1 or -2                    |
| KUM9XX         | 9                  | KUM950  | KUM903  | KUM90X     | KUM9XXMWM                  | KUM9XXDM              | -      | KUM9XX               | KUM9XX-1 or -2                    |

**KUM examples:**

|             |   |
|-------------|---|
| KUM600-2    | 6 meters, 2 parts, max. 750W, for mast mounts (1xKUM095-SET), Coax installation, Rx-only (0.15-30MHz) |
| KUM803-1DM  | 8 meters, 3 parts, max. 1200W, deck mount included, Coax installation, Tx/Rx (1.4-30MHz)              |
| KUM950-1MWM | 9 meters, 2 parts, max. 1200W, mast wall mount included, Coax installation, TX/Rx (1.4-30MHz)         |

Note: Please contact AC Antennas for more information.

# NUKA ARCTICA, SEA TRIAL VESSEL FOR KUM121 APRIL—JUNE 2016.



SEA TRIAL CONDUCTED WITH COBHAM SATCOM  
BETWEEN DENMARK AND GREENLAND.

**KUM121****212100-T**

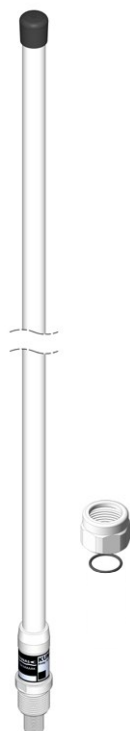
Professional HF-antenna recommended by major radio manufacturers.

KUM121 is a high quality omnidirectional active receiving HF antenna with excellent dynamic range in the entire bandwidth:

- RX only
- Excellent RF specifications
- Exceptional material quality
- Low noise figure
- Diode protection of RF and DC inputs
- Grounded through mounting base
- Ideal for land based solutions too

**Specifications**

|                      |                      |             |
|----------------------|----------------------|-------------|
| Frequency            | DC Shorted           | DC Grounded |
| 0.15-30MHz           | No                   | Yes         |
| Connector            | Length               | Weight      |
| UHF                  | 1.3m                 | 0.5kg       |
| IP2                  | IP3                  |             |
| $\geq +50\text{dBm}$ | $\geq +28\text{dBm}$ |             |
| Supply Voltage       | Max Supply Current   | Max Output  |
| 9-12V                | 35 mA                | +10dBm      |

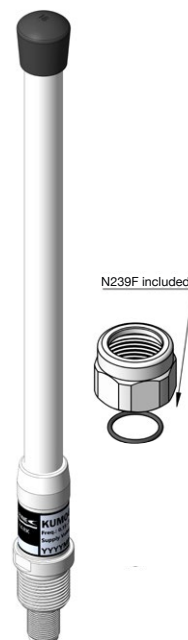
**KUM041****204100-T**

KUM041 is a high quality omnidirectional active receiving HF antenna with excellent dynamic range in the entire bandwidth:

- RX only
- Excellent RF specifications
- Exceptional material quality
- Low noise figure
- Diode protection of RF and DC inputs
- Grounded through mounting base
- Ideal for land based solutions too

**Specifications**

|                      |                    |             |
|----------------------|--------------------|-------------|
| Frequency            | DC Shorted         | DC Grounded |
| 0.15-30MHz           | No                 | Yes         |
| Connector            | Length             | Weight      |
| UHF                  | 0.36m              | 0.4kg       |
| IP3@10MHz            |                    |             |
| $\geq +38\text{dBm}$ |                    |             |
| Supply Voltage       | Max Supply Current |             |
| 9-12V                | 30 mA              |             |

**CB6****100051-P**

Lightweight fibreglass omnidirectional antenna for the citizen band:

- Excellent RF specifications
- Exceptional material quality
- Sidefed

**Specifications**

|              |             |        |            |
|--------------|-------------|--------|------------|
| Frequency    | Gain        | Power  | VSWR       |
| 26.8-27.5MHz | 3 dBd       | 100W   | <1.5:1     |
| Cable        | Length      | Weight | Thread     |
| RG58C/U      | 2.7m        | 0.8kg  | 1" ferrule |
| DC Shorted   | DC Grounded |        |            |
| Yes          | No          |        |            |

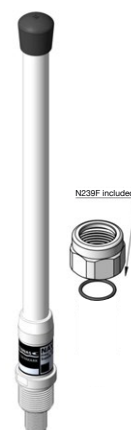
**NAVTEX3e****400008-T**

Professional Navtex receiving antenna.

- Selectively receiving the three Navtex frequencies
- Excellent RF specifications
- Exceptional material quality
- Low noise figure
- Diode protection of RF and DC inputs
- Grounded through mounting base
- Ideal for land based solutions too

**Specifications**

|                       |                  |            |             |
|-----------------------|------------------|------------|-------------|
| Frequency             | Supply voltage   |            |             |
| 0.490/0.518/4.2095MHz | 8-12V            |            |             |
| Connector             | Length           | Weight     | Current     |
| UHF                   | 0.36m            | 0.25kg     | 10mA        |
| IP3 - Low Bands       | IP3 - High Bands | DC Shorted | DC Grounded |
| +28dBm                | +20dBm           | No         | Yes         |





**ANTENNAS.  
NOTHING MORE.  
NOTHING LESS.**





**CX-UHF0-M****300008-T**

For use with radio telephone, two-way business radio and many other applications:

- Excellent RF specifications
- Exceptional material quality
- Designed for harsh environment
- Ideal for land based solutions too
- Various sub bands available (see table)

**Specifications**

Frequency **420-470MHz** Gain **0 dBd** Power **220W** VSWR **<1.5:1**

Connector **N** Length **0.84m** Weight **0.5kg** Thread **1"**

DC Shorted **Yes** DC Grounded **Yes** IP **IP68** Survival Windspeed **200 km/h**

**CX-UHF3-MH****330009-T**

For use with radio telephone, two-way business radio and many other applications:

- Excellent RF specifications
- Exceptional material quality
- Designed for harsh environment
- Ideal for land based solutions too
- Various sub bands available (see table)

**Specifications**

Frequency **440-470MHz** Gain **3 dBd** Power **220W** VSWR **<1.5:1**

Connector **N** Length **1.34m** Weight **0.7kg** Thread **1"**

DC Shorted **Yes** DC Grounded **Yes** IP **IP68** Survival Windspeed **200 km/h**

**CX-UHF5-MH****350007-T**

For use with radio telephone, two-way business radio and many other applications:

- Excellent RF specifications
- Exceptional material quality
- Designed for harsh environment
- Ideal for land based solutions too
- Various sub bands available (see table)

**Specifications**

Frequency **440-470MHz** Gain **5 dBd** Power **250W** VSWR **<1.5:1**

Connector **N** Length **2.22m** Weight **2.1kg** Thread **1"**

DC Shorted **Yes** DC Grounded **Yes** IP **IP68** Survival Windspeed **160 km/h**

**CX-UHF Types**

| Product name | Product number | Gain [dBd] | Frequency VSWR<1.5:1 [MHz] | Frequency VSWR<2.5:1 [MHz] |
|--------------|----------------|------------|----------------------------|----------------------------|
| CX-UHF0-L    | 300007-T       | 0          | 380-430                    | 375-435                    |
| CX-UHF0-M    | 300008-T       | 0          | 420-470                    | 415-480                    |
| CX-UHF0-H    | 300009-T       | 0          | 460-510                    | 455-520                    |
| CX-UHF3-LL   | 330006-T       | 3          | 380-410                    | 375-420                    |
| CX-UHF3-LH   | 330007-T       | 3          | 400-430                    | 390-430                    |
| CX-UHF3-ML   | 330008-T       | 3          | 420-450                    | 420-460                    |
| CX-UHF3-MH   | 330009-T       | 3          | 440-470                    | 435-480                    |
| CX-UHF3-HL   | 330010-T       | 3          | 460-490                    | 450-500                    |
| CX-UHF3-HH   | 330011-T       | 3          | 480-510                    | 475-520                    |
| CX-UHF5-LL   | 350004-T       | 5          | 380-405                    | 375-415                    |
| CX-UHF5-LH   | 350005-T       | 5          | 405-430                    | 400-440                    |
| CX-UHF5-ML   | 350006-T       | 5          | 420-450                    | 415-455                    |
| CX-UHF5-MH   | 350007-T       | 5          | 440-470                    | 435-480                    |

Note: All models also sold in attractive combinations with the mounts: -A: N275F, -B: N274F/N239F, -C: N239F.

## 4G Multiband

400006-T

Omnidirectional multiband antenna covering the cellular phone network bands simultaneously with data transmission, thus improving the communication performance for e.g. 3G, 4G, CDMA, UMTS, DECT, WLAN, GSM850/900/1800/1900, Bluetooth and EDGE:

- Excellent RF specifications
- Exceptional material quality
- Ideal for land based solutions too



## Specifications

|                                   |                    |                 |                         |
|-----------------------------------|--------------------|-----------------|-------------------------|
| Frequency<br>790-960/1710-2690MHz | Gain<br>0 dBd      | Power<br>150W   | VSWR<br><2/2.2:1        |
| Connector<br>N                    | Length<br>0.5m     | Weight<br>0.3kg | Thread<br>1" and 1 1/4" |
| DC Shorted<br>No                  | DC Grounded<br>Yes |                 |                         |

## GNSS

490003-P

Marine and land based global antenna for all four GNSS systems: GPS, Glonass, Galileo, BeiDou. The antenna can be installed directly on the deck, it withstands walking pressure:

- Excellent RF specifications
- Exceptional material quality
- Ideal for land based solutions too



## Specifications

|   |             |           |              |
|---|-------------|-----------|--------------|
| Frequency   |             |           |              |
| GPS: 1575.42, Galileo: 1575.42, BeiDou: 1561.098, Glonass: 1602.0 MHz |             |           |              |
| Gain  |             |           |              |
| GPS: 26dB, Galileo: 25dB, BaiDou: 23dB, Glonass: 29dB                 |             |           |              |
| Supply voltage  | VSWR        |           |              |
| 2.5-24V   | <1.7-2.1:1  |           |              |
| Connector   | Length      | Weight    | Noise Figure |
| SMA   | 0.05m       | 0.07kg    | Typ. 0.9dB   |
| DC Shorted  | DC Grounded | IP Rating |              |
| No  | Yes         | IP68      |              |

## VHF/GPS

490001-T

VHF/GPS is a VHF antenna with a combined helix GPS and GLONASS antenna for frequencies 1575.42 MHz & 1602 MHz incorporated:

- Excellent RF specifications
- Exceptional material quality
- Cable sets with filter available
- Separate filter available for radios with two antenna ports
- Ideal for land based solutions too



## Specifications

|  |                                  |                                  |                               |
|--|----------------------------------|----------------------------------|-------------------------------|
| Frequency [MHz] _____<br>A: 156-162.5, B: 1575.42, C: 1602 | Power _____<br>A: 35W            | VSWR _____<br>A: <2:1            |                               |
| Connector _____<br>N                                       | Length _____<br>1.1m             | Weight _____<br>0.7kg            | Thread _____<br>1" and 1 1/4" |
| Supply voltage _____<br>3.3-18V                            | Current _____<br>Max 10, typ 7mA | Gain _____<br>A:0, B:18, C:18 dB |                               |
| DC Shorted _____<br>No                                     | DC Grounded _____<br>Yes         |                                  |                               |

## VHF/GPS types

| Product name | Product number | Cable 1 connector | Cable 2 connector | Cable 3 connector |
|--------------|----------------|-------------------|-------------------|-------------------|
| VHF/GPS      | 490001-T       | -                 | -                 | -                 |
| VHF/GPS-01   | 490011-T *     | N-female          | UHF-male          | -                 |
| VHF/GPS-02   | 490012-T *     | BNC-female        | TNC-male          | -                 |
| VHF/GPS-03   | 490013-T *     | N-female          | N-male            | TNC-male          |
| VHF/GPS-04   | 490014-T *     | TNC-male          | UHF-male          | -                 |
| VHF/GPS-05   | 490015-T *     | BNC-male          | TNC-male          | UHF-male          |

Note\*: VHF/GPS antenna and filter included



**DAB-FM****400035-T**

Professional high quality fiberglass omnidirectional receiving DAB/FM antenna:

- Excellent RF specifications
- Exceptional material quality
- Ideal for land based solutions too

**Specifications**

Frequency

**88-108/160-250MHz**

Connector

**N**

Length

**1.3m**

Weight

**0.5kg**

Thread

**1" and 1 1/4"**

DC Shorted

**Yes**

DC Grounded

**Yes**

N239F included

**FAME1****400004-T**

High quality fiberglass omnidirectional receiving DAB/FM/AM antenna:

- Excellent RF specifications and material
- Also available in other versions
- Ideal for land based solutions too

| Product name | Product number | Gain [dBd] | Thread [size & type]      |
|--------------|----------------|------------|---------------------------|
| FAME1        | 400004-T       | 0          | 1" 14 TPI & 1 1/4" 11 TPI |
| FAME2        | 400005-P       | 0          | 1" 14 TPI Ferrule         |
| FAME3        | 400012-T       | 3          | 1" 14 TPI & 1 1/4" 11 TPI |
| FAME4        | 400011-P       | 3          | 1" 14 TPI Ferrule         |

**Specifications**

Frequency

**0.15-30/88-108/160-250MHz**

Gain

**0 dBd**

Connector

**UHF**

Length

**1.3m**

Weight

**0.5kg**

Thread

**1" and 1 1/4"**

DC Shorted

**No**

DC Grounded

**Yes**

N239F

UHF(f) connector

**UHF/VHF2****400036-T**

UHF/VHF2 is an omnidirectional dipole antenna covering two bands, perfect for both marine and land base systems.

- Excellent RF specifications
- Exceptional material quality
- Designed for harsh environment
- Ideal for land based solutions too

**Specifications**

Frequency VHF

**VHF: 146.0-162.5, UHF: 420-440MHz**

Gain

**0 dBd**

Power

**100W**

VSWR

**VHF: <1.5:1, UHF (420-430): <3.5:1, UHF (430-440): <5:1**

Connector

**N**

Length

**1.26m**

Weight

**0.5kg**

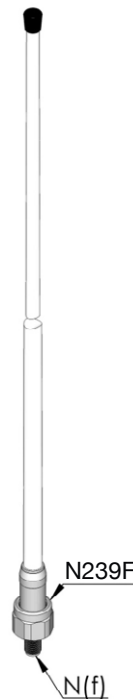
Thread

**1" & 1 1/4"**

DC Shorted

**Yes**

DC Grounded

**Yes**

N239F

N(f)

**FAME4****400011-P**

High quality fiberglass omnidirectional receiving DAB/FM/AM antenna:

- Excellent RF specifications and material
- Also available in other versions
- Ideal for land based solutions too

**Specifications**

Frequency

**0.15-30/88-108/160-250MHz**

Gain

**3 dBd**

Connector

**18m RG58C/U**

Length

**2.7m**

Weight

**1.4kg**

Thread

**1" ferrule**

DC Shorted

**No**

DC Grounded

**No**

18m cable

1"-14 TPI UNS Ferrule

**MORE THAN 90% OF OUR ORDERS  
ARE SHIPPED WITHIN 48 HOURS.**



**N270F**

900017-B



Heavy Duty Pole Ø30-75mm  
Solid Brass, White  
1.3kg 1 1/4"-11 TPI, male

**N274FW**

900061-B



Universal Pole Ø20-58mm  
Anodised Aluminium, White  
0.5kg 1 1/4"-11 TPI, male

Option Black N274F

**N275F**

900018-B



Universal Pole Ø20-58mm  
Anodised Aluminium, Black  
0.55kg 1" 14 TPI, female

Option White N275FW

**N298F**

900027-P



Universal Pole Ø26-46mm  
Stainless Steel SS316  
0.8kg 1 1/4"-11 TPI, male

**N171F**

900006-B



Universal Pole Ø30-61mm  
SS316  
0.5kg 1"-14 TPI, female  
Option with ferrule bolt: N171FB

**N172F**

900008-B



Universal Pole Ø30-61mm  
SS316 Alignment beads  
0.5kg 1"-14 TPI, female  
Option with ferrule bolt: N172FB

**N174F**

900057-B



Universal Pole Ø30-61mm  
SS316 Alignment beads  
0.6kg 1"-14 TPI, female  
Option with ferrule bolt: N174FB

**N220F**

900013-P



Universal Pole Ø26-46mm  
Stainless Steel SS316  
0.5kg 1"-14 TPI, male

**E180F**

900038-B



Deck  
Stainless Steel SS316  
0.5kg 1 1/4"-11 TPI, male

**E179F**

900037-B



Deck  
Chrome Brass Deck  
0.6kg 1 1/4"-11 TPI, male

**N285F**

900044-B



4-way Ratchet Deck/wall  
Chrome Brass  
1.0kg 1"-14 TPI, male

**N286Fe**

900064-B



4-way Ratchet Deck/wall  
Stainless Steel SS316  
0.6kg 1"-14 TPI, male



**N288F**

900046-B



Deck

Stainless Steel SS304

0.2kg

1"-14 TPI, male

**N290F**

900047-B



4-way Ratchet

Deck/wall

Nylon

0.3kg

1"-14 TPI, male

**N157F**

900002-P



Universal Pole

Ø20-26mm

SS316

Ø5/8" &amp; Ø1"

0.2kg

1"-14 TPI, female

Option with ferrule bolt: N158F

**N162F**

900004-P



Universal Pole

SS304

Ø5/8" &amp; Ø1"

0.2kg

1"-14 TPI, female

**N095F-SET**

900068-T



Pole Clamp

Ø30-100mm

SS316

1.2kg

Ø21mm radome

Note: Set of 2 x N095F per antenna

Photo: 1 x N095F

**N115F-SET**

900067-T



Pole Clamp

Ø38-70mm

SS316

1.8kg

Ø40mm radome w/sleeve

Note: Set of 2 x N115F per antenna

Photo: 1 x N115F

**N245F**

900039-P



Pole Clamp

Ø31-60mm

SS304

0.4kg

Fits e.g. CX4-3

**H022F**

990013-A



Insulator

PBT

100 kV

0.25kg

9 kN

**N280-01F**

900019-P



Adaptor

Lateral Cable Hole

Chrome Brass

0.2kg

2 \* 1"-14 TPI, female

**N280-03F**

900021-P



Adaptor

Lateral Cable Hole

Chrome Brass

0.4kg

1" 14 TPI female &amp; 1 1/4" 11 TPI male

**N280-04F**

900022-P



Adaptor

Chrome Brass

0.3kg

1" 14 TPI female &amp; 1 1/4" 11 TPI male

**N280F**

990009-P



Adaptor &amp; Cable

Lateral Cable Hole

Chrome Brass

UHF male

0.6kg

RG58 cable

6m

1" 14 TPI female &amp; 1 1/4" 11 TPI male

**SOLD BY 300+ MAJOR PLAYERS WORLDWIDE.**



**RECOMMENDED AND USED BY  
ALL MAJOR GLOBAL RADIO MANUFACTURERS  
TO THE PROFESSIONAL MARITIME MARKET.**

## HF400-N

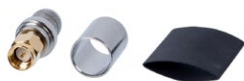
910034-A



|           |                 |
|-----------|-----------------|
| Connector | HF400           |
| Crimp     | Resistance 50 Ω |
| 0.01kg    | N-male          |

## HF400-SMA

910035-A



|           |                 |
|-----------|-----------------|
| Connector | HF400           |
| Crimp     | Resistance 50 Ω |
| 0.01kg    | SMA-male        |

## HF400-TNC

910036-A



|           |                 |
|-----------|-----------------|
| Connector | HF400           |
| Crimp     | Resistance 50 Ω |
| 0.01kg    | TNC-male        |

## FME/RG213

910013-A



|           |                 |
|-----------|-----------------|
| Connector | RG213/RG214     |
| Crimp     | Resistance 50 Ω |
| 0.01kg    | FME-female      |

## N

910001-A



|           |                 |
|-----------|-----------------|
| Connector | RG213/RG214     |
| Crimp     | Resistance 50 Ω |
| 0.01kg    | N-male          |

## K008F

910009-A



|           |                 |
|-----------|-----------------|
| Connector | RG213/RG214     |
| Crimp     | Resistance 50 Ω |
| 0.01kg    | UHF-male        |

## K020F

910006-A



|           |                 |
|-----------|-----------------|
| Connector | RG213/RG214     |
| Crimp     | Resistance 50 Ω |
| 0.01kg    | BNC-male        |

## K025F

910005-A



|           |                 |
|-----------|-----------------|
| Connector | RG213/RG214     |
| Crimp     | Resistance 50 Ω |
| 0.01kg    | TNC-male        |

## K015F

910007-A



|           |                 |
|-----------|-----------------|
| Connector | RG58            |
| Crimp     | Resistance 50 Ω |
| 0.01kg    | N-male          |

## K009F

910008-A



|           |                 |
|-----------|-----------------|
| Connector | RG58            |
| Crimp     | Resistance 50 Ω |
| 0.01kg    | UHF-male        |

## BNC

910000-A



|           |                 |
|-----------|-----------------|
| Connector | RG58            |
| Crimp     | Resistance 50 Ω |
| 0.01kg    | BNC-male        |

## TNC

910003-A



|           |                 |
|-----------|-----------------|
| Connector | RG58            |
| Crimp     | Resistance 50 Ω |
| 0.01kg    | TNC-male        |

## K007F

910010-A



|           |                 |
|-----------|-----------------|
| Connector | RG58/RG213      |
| Solder    | Resistance 50 Ω |
| 0.01kg    | UHF-male        |

## FME

910014-A



|           |                 |
|-----------|-----------------|
| Connector | RG58            |
| Crimp     | Resistance 50 Ω |
| 0.01kg    | FME-male        |

## K030F

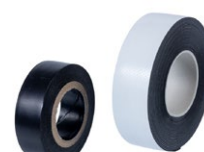
910004-A



|           |                 |
|-----------|-----------------|
| Connector | RG58            |
| Crimp     | Resistance 50 Ω |
| 0.01kg    | SMA-male        |

## TAPE

993000-A ... 993001-A



| Product name | Product number | Type       |
|--------------|----------------|------------|
| TAPE-01      | 993000-A       | Vulcanized |
| TAPE-02      | 993001-A       | Electrical |



**CA-HFWIRE10MM**

920074-B ... 920080-D

**HF installations wire, black**

- 10mm<sup>2</sup> strands
- Flame retardant
- Halogen free
- Recommended as feeder wire for KUM antennas

**Different lengths available**

| Product name<br>incl. length | Product<br>number |
|------------------------------|-------------------|
| CA-HFWIRE10MM-B-10m          | 920074-B          |
| CA-HFWIRE10MM-B-20m          | 920075-B          |
| CA-HFWIRE10MM-B-30m          | 920076-B          |
| CA-HFWIRE10MM-B-40m          | 920077-B          |
| CA-HFWIRE10MM-B-50m          | 920078-B          |
| CA-HFWIRE10MM-B-100m         | 920079-D          |
| CA-HFWIRE10MM-B-500m         | 920080-D          |

**CA-HF400**

920081-D ... 920086-B

**HF400 cable, black**

- 50 Ohm RF low loss coaxial cable
- Flame retardant
- Halogen free
- Recommended as replacement for RG213U coaxial cable

**Different lengths available**

| Product name<br>incl. length | Product<br>number |
|------------------------------|-------------------|
| CA-HF400-B-10m               | 920082-B          |
| CA-HF400-B-20m               | 920083-B          |
| CA-HF400-B-30m               | 920084-B          |
| CA-HF400-B-40m               | 920085-B          |
| CA-HF400-B-50m               | 920086-B          |
| CA-HF400-B-70m               | 920081-D          |

**CA-RG213U**

920060-P ... 920066-D

**RG213U cable, black**

- 50 Ohm RF coaxial cable
- MIL-C-17F
- Color: black

**Different lengths available**

| Product name<br>incl. length | Product<br>number |
|------------------------------|-------------------|
| CA-RG213U-B-10m              | 920060-B          |
| CA-RG213U-B-20m              | 920061-B          |
| CA-RG213U-B-30m              | 920062-B          |
| CA-RG213U-B-40m              | 920063-B          |
| CA-RG213U-B-50m              | 920064-B          |
| CA-RG213U-B-100m             | 920065-D          |
| CA-RG213U-B-500m             | 920066-D          |

**CA-RG214U**

920067-P ... 920073-D

**RG214U cable, black**

- Double Screened
- 50 Ohm RF coaxial cable
- MIL-C-17F
- Recommended for long coaxial connections

**Different lengths available**

| Product name<br>incl. length | Product<br>number |
|------------------------------|-------------------|
| CA-RG214U-B-10m              | 920067-B          |
| CA-RG214U-B-20m              | 920068-B          |
| CA-RG214U-B-30m              | 920069-B          |
| CA-RG214U-B-40m              | 920070-B          |
| CA-RG214U-B-50m              | 920071-B          |
| CA-RG214U-B-100m             | 920072-D          |
| CA-RG214U-B-500m             | 920073-D          |

**CA-RG58CU**

920039-P ... 920045-D

**RG58CU cable, white**

- 50 Ohm RF coaxial cable
- MIL-C-17F
- Color: white

**Different lengths available**

| Product name<br>incl. length | Product<br>number |
|------------------------------|-------------------|
| CA-RG58CU-W-10m              | 920039-P          |
| CA-RG58CU-W-20m              | 920040-P          |
| CA-RG58CU-W-30m              | 920041-P          |
| CA-RG58CU-W-40m              | 920042-P          |
| CA-RG58CU-W-50m              | 920043-B          |
| CA-RG58CU-W-100m             | 920044-D          |
| CA-RG58CU-W-500m             | 920045-D          |

**CA-RG58CU**

920046-P ... 920052-D

**RG58CU cable, black**

- 50 Ohm RF coaxial cable
- MIL-C-17F
- Color: black

**Different lengths available**

| Product name<br>incl. length | Product<br>number |
|------------------------------|-------------------|
| CA-RG58CU-B-10m              | 920046-P          |
| CA-RG58CU-B-20m              | 920047-P          |
| CA-RG58CU-B-30m              | 920048-P          |
| CA-RG58CU-B-40m              | 920049-P          |
| CA-RG58CU-B-50m              | 920050-B          |
| CA-RG58CU-B-100m             | 920051-D          |
| CA-RG58CU-B-500m             | 920052-D          |

**CA-RG59BU**

920053-P ... 920059-D

**RG59BU cable, black**

- 75 Ohm RF coaxial cable
- MIL-C-17F
- Color: black

**Different lengths available**

| Product name<br>incl. length | Product<br>number |
|------------------------------|-------------------|
| CA-RG59BU-B-10m              | 920053-P          |
| CA-RG59BU-B-20m              | 920054-P          |
| CA-RG59BU-B-30m              | 920055-P          |
| CA-RG59BU-B-40m              | 920056-B          |
| CA-RG59BU-B-50m              | 920057-B          |
| CA-RG59BU-B-100m             | 920058-D          |
| CA-RG59BU-B-500m             | 920059-D          |

**WIREKIT-02**

992001-P



**Wire installation kit for MH/HF antenna systems consists of** CA-HFWIRE10MM, tube clamp, shackles, insulator, cable clamps and wire clamps. Recommended for MF/HF radio installations up to 500W.

Gain Reference

Gain is one of the main parameters of an antenna. The gain of an antenna is a figure stating how much energy this antenna transmits/receives in the main direction, compared to a reference antenna.

$$\text{Gain} = 10 \log \left( \frac{\text{ant.}}{\text{reference ant.}} \right)$$

Hypothetical the reference antenna is isotropic, which uniformly distributes energy in all directions.

This gain is stated as dBi.

Normally the reference antenna is a half wave dipole antenna and then the unit is dBd.

Conversion between the two follows this simple equation:

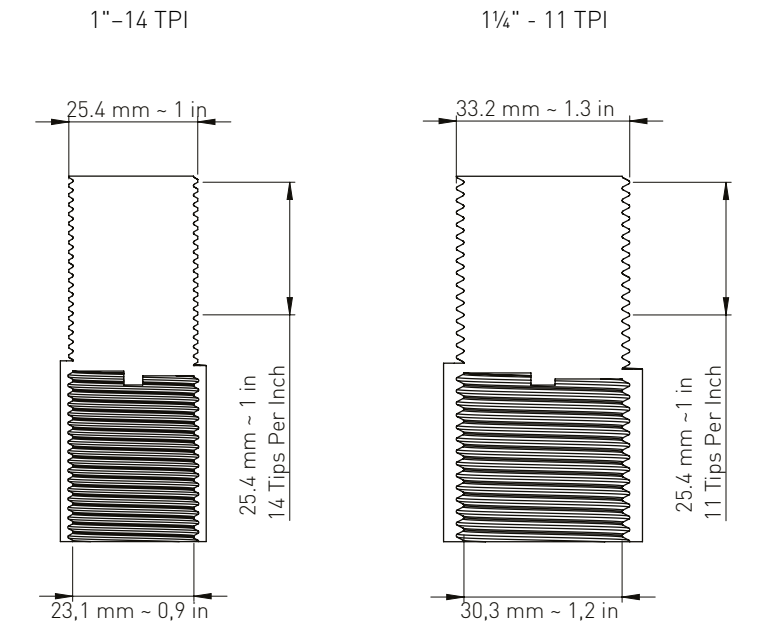
$$\text{dBd} = \text{dBi} - 2.15$$

For marine use in most countries the gain is mentioned in "marine" dB which is non-existing. However, as the competition is using "marine" dB, AC Marine has decided to indicate gain in dBd and "marine" dB.

Below please find a table of relationship between dBd,dBi and "Marine" dB.

| dBd | dBi | Marine dB |
|-----|-----|-----------|
| 0   | 2.1 | 3         |
| 3   | 5.1 | 6         |
| 4.5 | 6.6 | 9         |
| 5   | 7.1 | 10        |

Mount Reference



**MORE THAN 50 YEARS IN BUSINESS.  
THANKS TO OUR CUSTOMERS.**





Our products are designed and manufactured to provide exceptional performance and to withstand punishment from the rigorous marine environment.

We use latest generation of technology to continue pushing technical performance for the betterment of our products. Navigating complexity, unlocking potential.

We are cost effective and deliver on time. Always.

Welcome to AC Antennas.



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