

# MARINE CATALOGUE

Antennas & Accessories



## 2022



# THE WORLD'S ULTIMATE ANTENNAS.



**AC ANTENNAS** 

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

**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 <b>156-162.5MHz</b>	Gain <b>3 dBd</b>	Power <b>150W</b>	VSWR <b>&lt;1.5:1</b>
Connector <b>UHF</b>	Length <b>2.6m</b>	Weight <b>0.6kg</b>	Thread <b>1" and 1 1/4"</b>
DC Shorted <b>Yes</b>	DC Grounded <b>Yes</b>		

**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
CX4-3	100015-T	146-162.5	UHF	-
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-3	100061-T	146-162.5	UHF	-
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: 88-108 (FM), C: 160-250 (DAB)**

Gain

**0 dBd**

Power

**A: 100W, B+C: RX**

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: 88-108 (FM), C: 160-250 (DAB)**

Gain

**0 dBd**

Power

**A: 100W, B+C: RX**

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: 88-108 (FM), C: 160-250 (DAB)**

Gain

**3 dBd**

Power

**A: 100W, B+C: RX**

VSWR

**A: <1.5:1**

Cable

**RG58C/U**

Length

**2.7m**

Weight

**0.9kg**

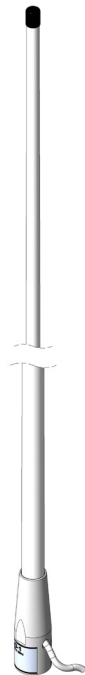
Thread

**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

**A: 100W, B+C: RX**

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 <b>1.4-30MHz</b>	Power <b>500W</b>	Max HF Voltage <b>9kV</b>
Sections <b>2</b>	Length <b>4.8m</b>	Weight <b>1.7kg</b>
Static Capacity <b>55pF</b>		

**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 <b>1.4-30MHz</b>	Power <b>750W</b>	Max HF Voltage <b>9kV</b>
Sections <b>2</b>	Length <b>6m</b>	Weight <b>2.4kg</b>
Static Capacity <b>70pF</b>		

**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 <b>1.4-30MHz</b>	Power <b>1200W</b>	Max HF Voltage <b>18kV</b>
Sections <b>3</b>	Length <b>8m</b>	Weight <b>5.7kg</b>
Static Capacity <b>100pF</b>		

**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 <b>1.4-30MHz</b>	Power <b>1200W</b>	Max HF Voltage <b>18kV</b>
Sections <b>3</b>	Length <b>9m</b>	Weight <b>7.3kg</b>
Static Capacity <b>100pF</b>		



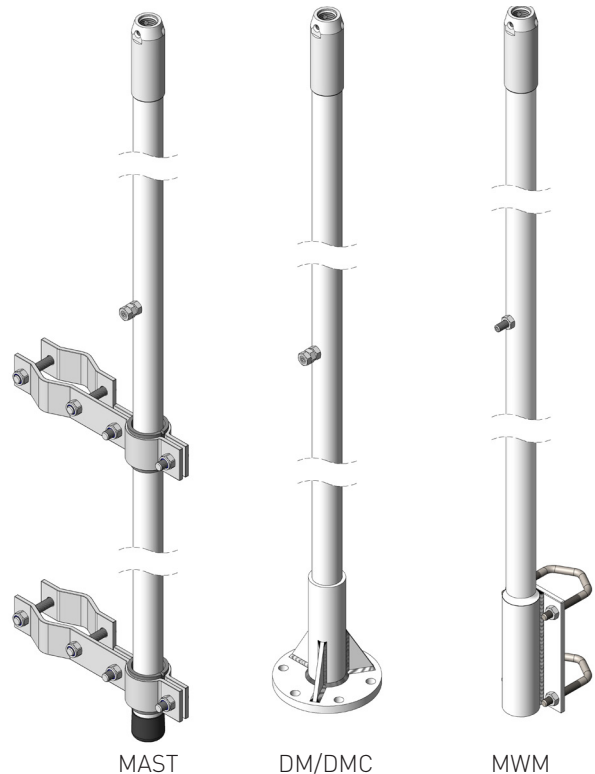
**KUM700****270000-P**

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 <b>1.4-30MHz</b>	Power <b>1000W</b>	Max HF Voltage <b>9kV</b>
Sections <b>2</b>	Length <b>7m</b>	Weight <b>3.0kg</b>
	Static Capacity <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" ferrule	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.



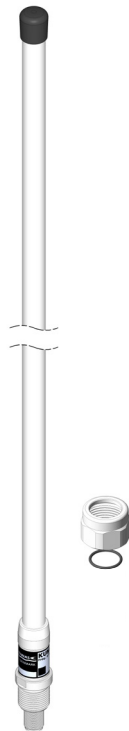
**KUM121****212100-T**

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	IP2	IP3
UHF	1.3m	0.5kg	≥+50dBm	≥+28dBm
Supply Voltage	Max Supply Current	Max Output		
9-12V	35 mA	+10dBm		

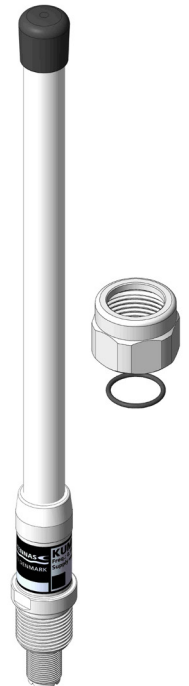
**KUM041****204100-T**

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	IP3@10MHz
UHF	0.36m	0.4kg	≥+38dBm
Supply Voltage	Max Supply Current		
9-12V	30 mA		

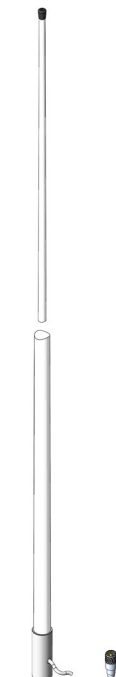
**CB6****100051-P**

Lightweight fibreglass omnidirectional antenna for the citizen band:

- RX only
- Excellent RF specifications
- Exceptional material quality
- Sided

**Specifications**


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

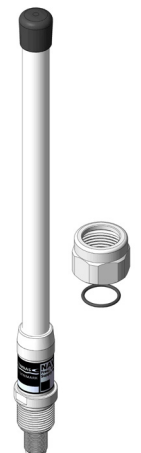
**NAVTEX3e****400008-T**

Professional Navtex receiving antenna.

- RX only
- 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:

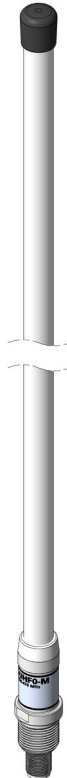
- Excellent RF specifications
- Exceptional material quality
- Designed for harsh environment
- Ideal for land based solutions too
- Various sub bands available (see table)

**Specifications**

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

Connector **N** Length **0.81m** 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 **1.27m** Weight **0.6kg** 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:

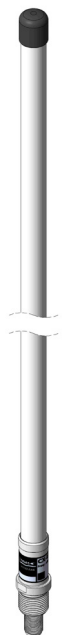
- Excellent RF specifications
- Exceptional material quality
- Designed for harsh environment
- Ideal for land based solutions too
- Various sub bands available (see table)

**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	455-500
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.



## 4GMultiband

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 **A: 790-806, B: 806-960, C: 1710-2500, D: 2500-2690**

Gain **0 dBd** Power **150W** VSWR **A+D: <2.2:1, B+C: <2.0:1**

Connector **N** Length **0.5m** Weight **0.3kg** Thread **1" and 1 1/4"**

DC Shorted **No** DC Grounded **Yes**

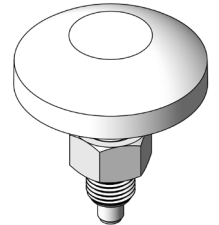


## GNSS

490003-P

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

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



## Specifications

Frequency **A: GPS (L1), B: Galileo (E1), C: Glonass (G1), D: BeiDou (B1), E: Egnos (L1)**

Gain **A+B+C+E: 26dB, D: 25dB** Supply voltage **2.5-24V** VSWR **A+B+C+E: <2.0:1, D: <2.5:1**

Connector **SMA** Length **0.05m** Weight **0.07kg** Noise Figure **Typ. 0.9dB**

DC Shorted **No** DC Grounded **Yes** IP Rating **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) **A: 156-162.5, B: 1575.42, C: 1602** Power **A: 35W**

Connector **N** Length **1.26m** Weight **0.7kg** Thread **1" and 1 1/4"**

Supply voltage **3.3-18V** Current **Max 10, typ 7mA** Gain **A:0, B:18, C:18 dB**

DC Shorted **No** DC Grounded **Yes** VSWR **A: <2:1, B+C: RX**



## 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:

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

**Specifications**

Frequency	88-108/160-250MHz		
Connector	Length	Weight	Thread
N	1.26m	0.5kg	1" and 1 1/4"
DC Shorted	DC Grounded		
Yes	Yes		

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

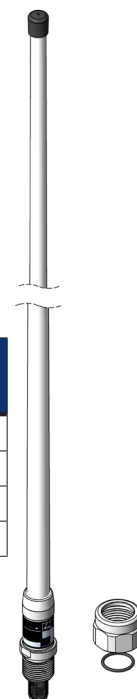
High quality fiberglass omnidirectional receiving DAB/FM/AM antenna:

- RX only
- 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	Length	Weight	Thread
UHF	1.26m	0.5kg	1" and 1 1/4"
DC Shorted	DC Grounded		
No	Yes		

**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	A: 146.0-162.5, B: 420-430, C: 430-440MHz		
Gain	Power		
0 dBd	A: 150W, B+C: RX		
VSWR	A: <1.5:1, B: <3.5:1, C: <5:1		
Connector	Length	Weight	Thread
N	1.26m	0.5kg	1" & 1 1/4"
DC Shorted	DC Grounded		
Yes	Yes		

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

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

- RX only
- 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	Length	Weight	Thread
18m RG58C/U	2.7m	1.4kg	1" ferrule
DC Shorted	DC Grounded		
No	No		





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



**N270F**

900017-B



Heavy Duty Pole Ø25-74mm

Solid Brass, White

1.4kg 1 1/4"-11 TPI, male

**N274FW**

900061-B



Universal Pole Ø20-58mm

Anodised Aluminium, White

0.6kg 1 1/4"-11 TPI, male

Option Black N274F

**N275F**

900018-B



Universal Pole Ø20-58mm

Anodised Aluminium, Black

0.6kg 1" 14 TPI, female

Option White N275FW

**N298F**

900027-P



Universal Pole Ø26-46mm

Stainless Steel SS316

0.7kg 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

0.6kg 1"-14 TPI, female

Option with ferrule bolt: N172FB

**N174F**

900057-B



Universal Pole Ø30-61mm

SS316 Alignment beads

0.7kg 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

0.5kg 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

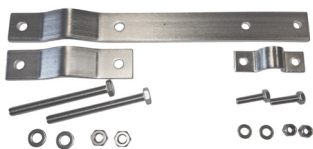
Ø5/8" &amp; Ø1"

0.2kg

1"-14 TPI, female

**N095F-SET**

900068-T



Pole Clamp

Ø30-100mm

SS316

2.2kg

Ø21mm radome

Note: Set of 2 x N095F per antenna

Photo: 1 x N095F

**N115F-SET**

900067-T



Pole Clamp

Ø38-70mm

SS316

3.4kg

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



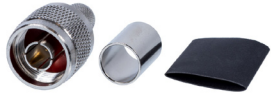
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## HF400-N

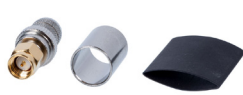
910034-A



Connector	HF400
Crimp	Resistance 50 Ω
0.03kg	N-male

## HF400-SMA

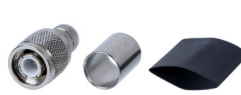
910035-A



Connector	HF400
Crimp	Resistance 50 Ω
0.01kg	SMA-male

## HF400-TNC

910036-A



Connector	HF400
Crimp	Resistance 50 Ω
0.02kg	TNC-male

## FME/RG213

910013-A



Connector	RG213/RG214
Crimp	Resistance 50 Ω
0.02kg	FME-female

## N

910001-A



Connector	RG213/RG214
Crimp	Resistance 50 Ω
0.03kg	N-male

## K008F

910009-A



Connector	RG213/RG214
Crimp	Resistance 50 Ω
0.02kg	UHF-male

## K020F

910006-A



Connector	RG213/RG214
Crimp	Resistance 50 Ω
0.02kg	BNC-male

## K025F

910005-A



Connector	RG213/RG214
Crimp	Resistance 50 Ω
0.02kg	TNC-male

## K015F

910007-A



Connector	RG58
Crimp	Resistance 50 Ω
0.03kg	N-male

## K009F

910008-A



Connector	RG58
Crimp	Resistance 50 Ω
0.02kg	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
0.03kg	UHF-male

## FME

910014-A



Connector	RG58
Crimp	Resistance 50 Ω
0.01kg	FME-male

## K030F

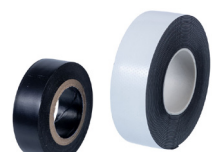
910004-A



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 incl. length	Product 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 incl. length	Product 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 incl. length	Product 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 incl. length	Product 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 incl. length	Product 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 incl. length	Product 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 incl. length	Product 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:

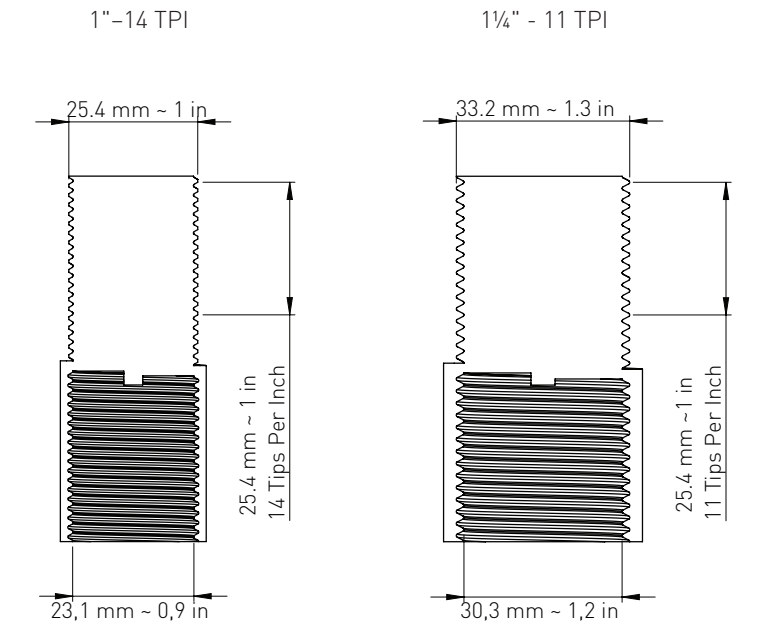
$$\text{dBd} = \text{dBi} - 2.15$$

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



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