

# CXL-VHF/GSM

2-Band Marine Antenna Covering Marine VHF and 900 MHz Cellular (GSM, NMT-900)

## DESCRIPTION

Covers 155 – 162 MHz (marine VHF) and 890 – 960 MHz (GSM and NMT-900) with 0 dBd gain on both bands.

Mounting using standard marine 1" revolving nut system.

The existing antenna can easily be replaced – the download cable may be reused.

Saves weight and exploits the precious space at the masthead best possible.

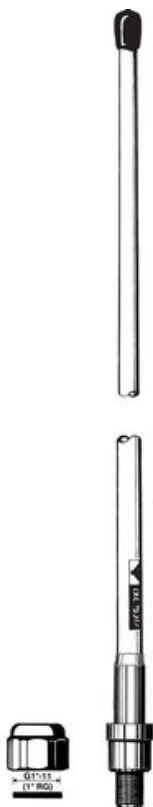
Performs much better than two antennas (often mounted too close to each other – thereby destroying each other's performance).

Only one download cable necessary – saves additional weight. RG 213 recommended for lowest cable loss on both bands.

Mount the antenna as high as possible and unobstructed by metal objects.

Optional splitting filter (diplexer) type DIPX 225/330 available to connect the two radio telephones to the download cable.

Wide range of accessory mounting brackets available (see below).



## SPECIFICATIONS

ELECTRICAL	
MODEL	CXL-VHF/GSM
ANTENNA TYPE	Dual-frequency coaxial antenna
FREQUENCY	Marine VHF: 155 – 162 MHz GSM/NMT: 890 – 960 MHz
IMPEDANCE	Nom. 50 Ω
RADIATION	Omnidirectional
POLARISATION	Vertical
GAIN	Marine VHF: 2 dBi 0 dBd GSM/NMT: 2 dBi 0 dBd
SWR (Both Bands)	TX: ≤ 1.5 RX: ≤ 2.5
MAX. POWER	100 W
ANTISTATIC PROTECTION	All metal parts DC-grounded (Shows a DC-short at the connector)
MECHANICAL	
TEMP. RANGE	-30°C → +70°C
MATERIALS	Shroud: Polyurethane coated glass fibre Mounting bracket: Chromed brass
CONNECTOR	N-female
WIND SURFACE	Approx. 0.0013 m <sup>2</sup>
WIND LOAD	Approx. 15 N @ 150 km/h
COLOUR	Marine white
TOTAL HEIGHT	Approx. 1.1 m
DIA. IN TOP END	8 mm
DIA. IN BOTTOM END	16 mm
WEIGHT	Approx. 400 g
MOUNTING	On 1" RG (G1"-11) threaded pipe or on optional mounting brackets (see below). Revolving nut enclosed

## FME-SYSTEM ACCESSORIES

FME-CABLES	
LENGTH	TYPE NO.
1 m	1 m FME
2 m	2 m FME
3 m	3 m FME
4 m	4 m FME
5 m	5 m FME
6 m	6 m FME
4 m white	4 m FME-white
6 m white	6 m FME-white
12 m white	12 m FME-white
18 m white	18 m FME-white











FME-CONNECTORS	
CONNECTOR	ORDER NO.
FME-FME	FME-FME
Prolongation	FMEP
N	FME-N
FSMA	FME-FSMA
BNC	FME-BNC
TNC	FME.TNC
UHF	FME-UHF
Mini-UHF	FME-MUHF
Elbow-MUHF	FME-EMUHF
Elbow-BNC	FME-EBNC
Elbow-TNC	FME-ETNC
SMA	FME-SMA

For further information about other types of FME-cables please compare the cable data sheets under accessories in our catalogue.



**ACCESSORIES**

(To be ordered separately)

<p><b>FLG</b></p>  <p>G1"-11 (1" RG)</p>	<p><b>SMR 1</b></p>  <p>G1"-11 (1" RG)</p>	<p><b>SMR 2</b></p>  <p>G1"-11 (1" RG)</p>	<p><b>YA-Bracket</b></p>  <p>Ø17</p>	<p><b>LW 1"</b></p>  <p>G1"-11 (1" RG)</p>
<p><b>MariFix 1</b></p>  <p>1"-14 NF</p>	<p><b>MariFix 2</b></p>  <p>1"-14 NF ALSO NEED ADT</p>	<p><b>ADT</b></p>  <p>G1"-11 (1" RG) ALSO NEED ADT 1"-14 NF</p>	<p><b>JPC 40</b> FME/58/FN Jumper cable</p>  <p>FME-N female</p>	<p><b>DIPX</b> 225/330</p> 



PROCOM A/S reserve the right to amend specifications without prior notice.

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