

MARCELL

2-Band Marine Antenna System Covering Maritime VHF and 900 MHz Cellular (GSM/NMT-900)

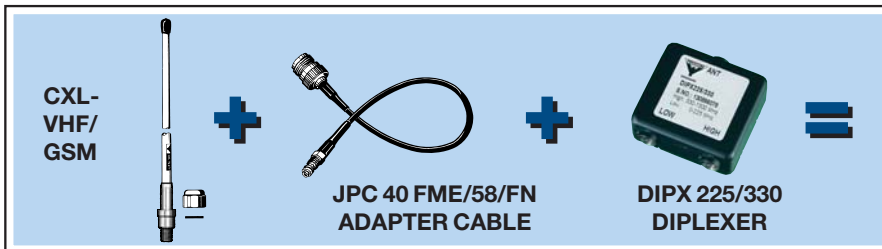


DESCRIPTION:

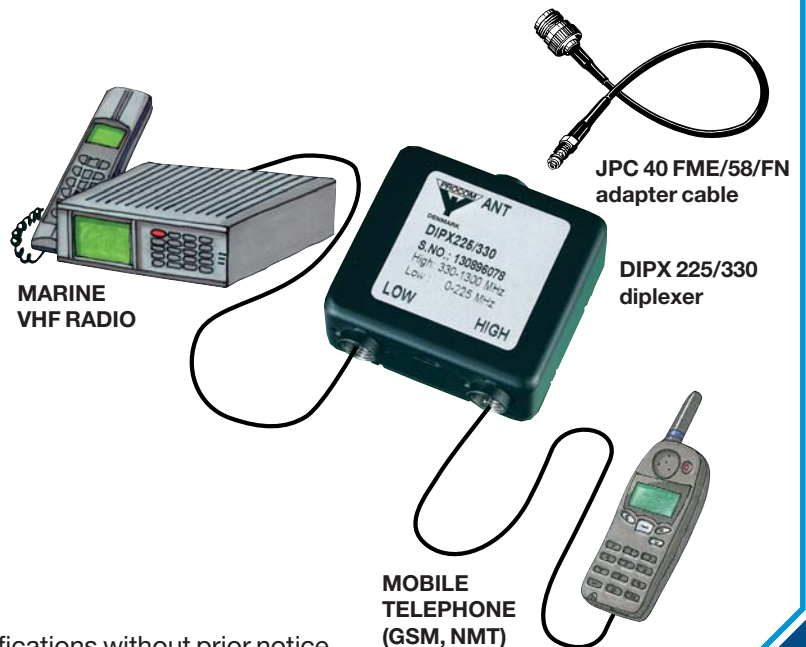
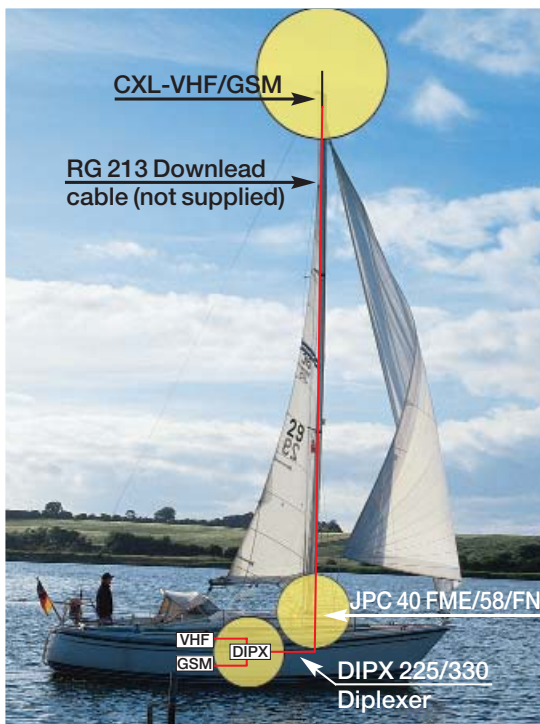
- ★ Complete package for maritime VHF and 900 MHz cellular – all you need extra is a downlead cable.
- ★ The system comprises:
 - ★ CXL-VHF/GSM dual-frequency antenna,
 - ★ DIPX 225/330 splitting filter to connect the two radio telephones to one antenna,
 - ★ JPC 40 FME/58/FN jumper cable.
- ★ One antenna – two bands:
 - ★ Covers maritime VHF (155–162 MHz) and 900 MHz cellular (890–960 MHz).
 - ★ 0 dBd on both bands.
 - ★ Exploits the mast head space optimally.
 - ★ Eliminates interference problems between two closely mounted antennas.
 - ★ Only one downlead cable necessary.
- ★ The antenna is mounted using the 1" revolving nut system and easily replaces the existing antenna – the downlead cable may be reused.
- ★ Mount the antenna as high as possible and unobstructed by metal objects.
- ★ Wide range of accessory mounting brackets available (see next page).



CXL-VHF/GSM



MARCELL



MARCELL

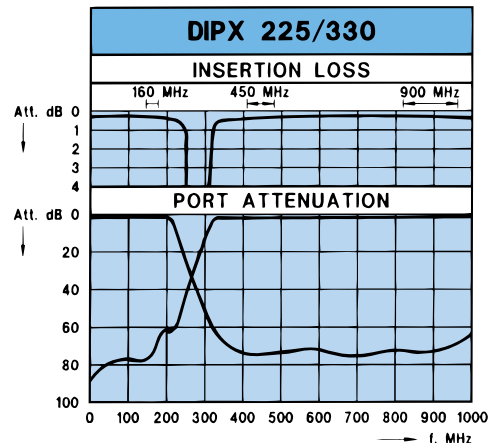
Specifications



SPECIFICATIONS:

ELECTRICAL	
MODEL	MARCELL
ANTENNA TYPE	Dual-frequency coaxial antenna
ANTENNA FREQUENCY	Maritime VHF: 155–162 MHz GSM/NMT-900: 890–960 MHz
FILTER FREQUENCY	Low port: 0–255 MHz High port: 330–1300 MHz
IMPEDANCE	Nom. 50 Ω
RADIATION	Omnidirectional
POLARISATION	Vertical
ANTENNA GAIN	2 dBi (0 dBd) on both bands
ANTENNA SWR	TX: ≤ 1.5 RX: ≤ 2.5
FILTER INSERTION LOSS	0–225 MHz: ≤ 0.5 dB 330–1300 MHz: ≤ 0.5 dB
FILTER ISOLATION	Low to high port: ≥ 45 dB
MAX. POWER	35 watt on each filter port (100 watt for the antenna)
ANTISTATIC PROTECTION	All metal parts of the antenna are DC-grounded (shows a DC-short at the connector)
MECHANICAL	
TEMP. RANGE	-30° C → +70° C
CONNECTORS	Antenna: N-female Filter: FME-male (all ports) Jumper cable: FME-female and N-female
JUMPER CABLE	40 cm RG 58
DOWNLEAD CABLE	Not supplied. Min. RG 213 recommended.
WIND SURFACE	Approx. 0.013 m ²
WIND LOAD	Approx. 15 N (at 150 km/h)
COLOUR	Marine white
ANTENNA MATERIALS	Shroud : Polyurethane coated glassfiber Mounting bracket: Chromed brass
ANTENNA HEIGHT	Approx. 1.1 m
DIA. IN TOP END	8 mm
DIA. IN BOTTOM END	16 mm
FILTER DIMENSIONS (W x H x D)	50 x 21 x 50 mm
ANTENNA WEIGHT	Approx. 400 g
MOUNTING	On 1" RG (G1"-11) threaded pipe or on optional mounting brackets (see below).

FILTER RESPONSE:



FME-SYSTEM ACCESSORIES

FME-CABLES

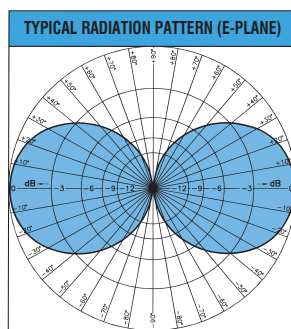
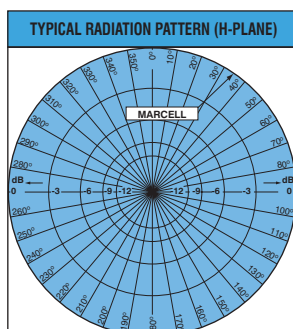
LENGTH	TYPE NO.
1m	1m FME
2m	2m FME
3m	3m FME
4m	4m FME
5m	5m FME
6m	6m FME
4m white	4m FME-white
6m white	6m FME-white
12m white	12m FME-white
18m white	18m FME-white

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

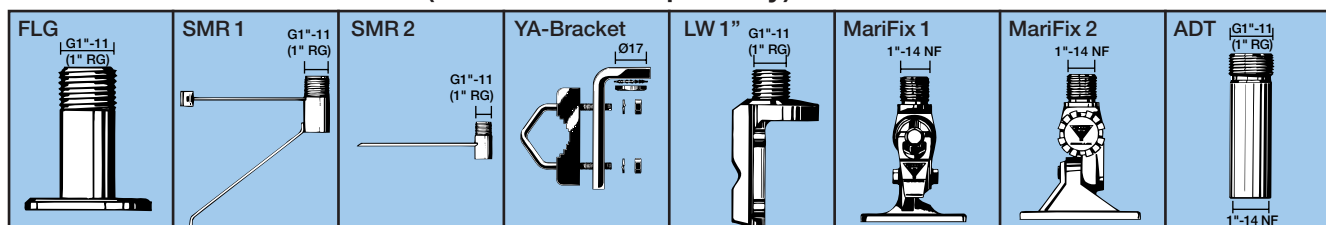
FME-SYSTEM ACCESSORIES

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



MOUNTING ACCESSORIES: (to be ordered separately)



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