

## Helical Antenna with Universal FME-Connection System for Portable Equipment in the 4 m Band

### DESCRIPTION

- Flexible, conical steel helix moulded in thermoplastic rubber.
- Significant reduction of length due to the helical principle.
- Optimum performance compared to physical dimensions.
- Delivered factory tuned and tested to ensure minimum VSWR.
- Provided with universal FME-connection system for optimum flexibility and easily exchangeable connectors.
- Designed for use with the following of Procom's line of black FME-connectors (to be ordered separately): BFME-UHF, BFME-BNC, BFME-TNC and BFME-N.

### SPECIFICATIONS

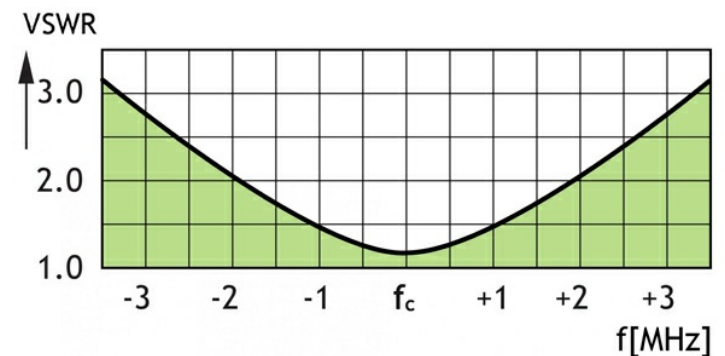
Electrical	
Model	HX 4/...-FME
Frequency	4 m band covered by three models
Antenna Type	Shortened $\frac{1}{4} \lambda$ antenna for portable equipment
Max. Input Power	50 W
Polarisation	Vertical
Impedance	50 $\Omega$
VSWR	< 2.0:1 @ $f_c$ when mounted directly on portable equipment
Bandwidth	$\geq 16$ MHz @ VSWR $\leq 3.0:1$
Mechanical	
Connection(s)	FME(f) (Exchangeable BFME-connectors to be ordered separately)
Materials	Steel helix moulded in thermoplastic rubber Black-chromed brass
Colour	Black
Height	Approx. 290 mm / 11.42 in.
Weight	Approx. 0.08 kg / 0.18 lb.

### ORDERING

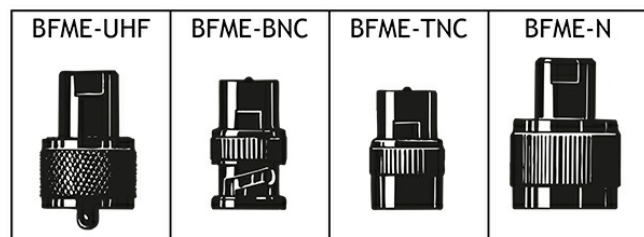
Model	Product No.	Frequency
HX 4/l-FME(f)	140000067	66 - 76 MHz
HX 4/m-FME(f)	140000072	72 - 82 MHz
HX 4/h-FME(f)	140000064	78 - 88 MHz



### TYPICAL VSWR CURVE



### RECOMMENDED BFME-CONNECTORS



(To be ordered separately)

### PLEASE NOTE

The HX 4 is also available with different thread studs, but in this case with fixed, non-exchangeable connector (not FME-connection system). Information on these special versions on request.

