

HX 70/...-FME

Helical Antenna with Universal FME-Connection System for Portable Equipment in the 70 cm Band



DESCRIPTION:

- ★ Short conical steel helix moulded in flexible thermoplastic rubber.
- ★ Reduced-size $1/4 \lambda$ helical antenna whip.
- ★ Optimum performance compared to physical dimensions.
- ★ Delivered factory tuned and tested to ensure minimum SWR.
- ★ Provided with universal FME-connection system for optimum flexibility and easily exchangeable connectors.
- ★ Designed for use with the following of PROCOMs line of black FME-connectors (to be ordered separately): BFME-UHF, BFME-BNC, BFME-TNC, BFME-N, BFME-MUHF, BFME-MQ, BFME-EBNC, BFME-ETNC and BFME-EMUHF.

ORDERING DESIGNATIONS:

FREQUENCY	380–410 MHz	400–430 MHz	420–450 MHz	440–470 MHz
TYPE NO.	HX 70/s-FME	HX 70/l-FME	HX 70/m-FME	HX 70/h-FME

TETRA

SPECIFICATIONS:

ELECTRICAL	
ANTENNA TYPE	Shortened $1/4 \lambda$ helical antenna for portable equipment
FREQUENCY	70 cm band covered by four models
IMPEDANCE	Nom. 50 Ω
POLARISATION	Vertical
GAIN	Approx. -3 dB (compared to a $1/4 \lambda$ portable antenna on the same equipment)
BANDWIDTH	≥ 20 MHz at SWR ≤ 2.0
SWR	≤ 1.5 when mounted directly on portable equipment
MAX. POWER	50 watt
MECHANICAL	
MATERIALS	Steel helix moulded in flexible thermoplastic rubber Black-chromed brass
COLOUR	Black
TOTAL HEIGHT	Approx. 65 mm (dep. on type)
WEIGHT	Approx. 20 g
CONNECTOR	FME (female) (Exchangeable BFME-connectors to be ordered separately)



PLEASE NOTE:

The HX 70 is also available with SMA male connector and different thread studs, but in this case with fixed, non-exchangeable connector (not FME-connection system). Information on these special versions on request.

RECOMMENDED BFME-CONNECTORS: (To be ordered separately)

BFME-UHF	BFME-BNC	BFME-TNC	BFME-N	BFME-MUHF	BFME-MQ	BFME-EBNC	BFME-ETNC	BFME-EMUHF

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