

FLX 1812/...-FME

End-Fed $\frac{1}{2} \lambda$ Dipole Antenna with Universal FME-Connection System for Portable Equipment in the 1800 MHz Band

DESCRIPTION

- Flexible antenna made of steel wire covered with black silicone tubing.
- End-fed $\frac{1}{2} \lambda$ whip – groundplane independent.
- High gain and efficient decoupling from the portable equipment due to half-wave design.
- 5 dB gain compared to a $\frac{1}{4} \lambda$ antenna whip on the same equipment.
- Highest quality materials in a long-lasting and durable design.
- Models available for the DCS-1800/PCN cellular system and for the DECT cordless telephone system.
- 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-BNC, BFME-TNC, BFME-N, BFME-MUHF, BFME-MQ, BFME-EBNC, BFME-ETNC and BFME-EMUHF.



ORDERING DESIGNATIONS

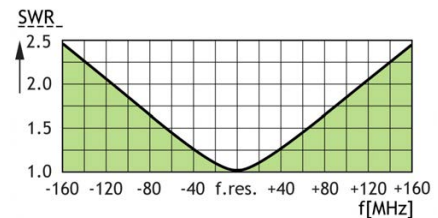
TYPE	PRODUCT NO.	FREQUENCY	PURPOSE/SYSTEM
FLX 1812/DCS-FME	140000220	1710 - 1880 MHz	DCS-1800/PCN cellular system
FLX 1812/DECT-FME	140000219	1880 - 1900 MHz	DECT cordless telephone

Special frequencies may be quoted on request.

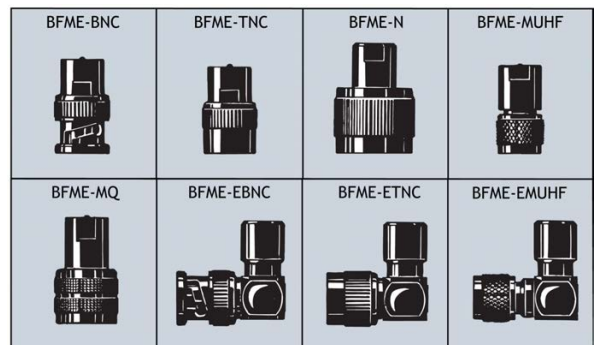
SPECIFICATIONS

ELECTRICAL	
MODEL	FLX 1812/...-FME
ANTENNA TYPE	End-fed $\frac{1}{2} \lambda$ antenna for portable equipment
FREQUENCY	Center frequency to be stated within 1700-1900 MHz
IMPEDANCE	Nom. 50 Ω
POLARIZATION	Vertical
GAIN	5 dB (compared to a $\frac{1}{4} \lambda$ portable antenna on the same equipment)
BANDWIDTH	≥ 200 MHz @ SWR ≤ 2.0
SWR	< 1.3 @ f. res.
MAX. POWER	5 W
MECHANICAL	
MATERIALS	Silicone tube over flexible steel wire Black-chromed brass
COLOUR	Black
TOTAL HEIGHT	Approx. 115 mm
WEIGHT	Approx. 25 g
CONNECTOR	FME (female) (Exchangeable BFME-connectors to be ordered separately)

TYPICAL SWR CURVE



RECOMMENDED BFME-CONNECTORS



(To be ordered separately)

PLEASE NOTE

The FLX 1812 is also available with SMA male connector, but in this case with fixed, nonexchangeable connector (not FME-connection system). Information on this special version on request.



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

07/12/11