# FLX 1812/...-FME

## *End-Fed 1/2 λ Dipole Antenna with Universal FME-Connection System for Portable Equipment in the 1800 MHz Band*

PROCOM

## DESCRIPTION:

- ★ Flexible antenna made of steel wire covered with black silicone tubing.
- ★ End-fed 1/2 λ whip – groundplane independent.
- ★ High gain and efficient decoupling from the portable equipment due to half-wave design.
- ★ 5 dB gain compared to a 1/4 λ 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 PROCOMs 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.

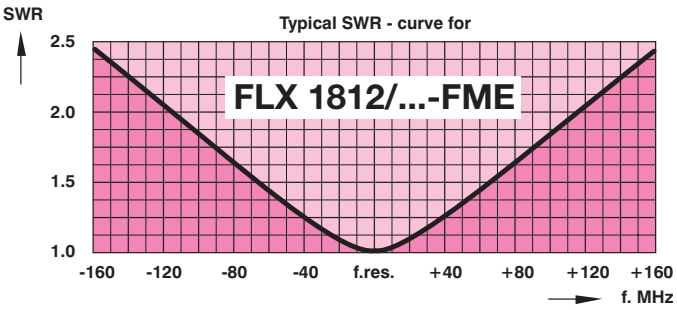
## MODEL SURVEY:

| MODEL | FREQEUNCY | PURPOSE/SYSTEM |
|---|---|---|
| FLX 1812/DCS-FME | 1710–1880 MHz | DCS-1800/PCN cellular system |
| FLX 1812/DECT-FME | 1880–1900 MHz | DECT cordless telephone |

DCS 1800

## SPECIFICATIONS:

| ELECTRICAL | |
|---|---|
| MODEL | FLX 1812/...-FME |
| ANTENNA TYPE | End-fed 1/2 λ antenna for portable equipment |
| FREQUENCY | 1800 MHz band |
| IMPEDANCE | Nom. 50 Ω |
| POLARISATION | Vertical |
| GAIN | 5 dB (compared to a 1/4 λ portable antenna on the same equipment) |
| BANDWIDTH | > 200 MHz @ SWR ≤ 2.0 |
| SWR | < 1.3 @ f. res. |
| MAX. POWER | 25 watt |
| **MECHANICAL** | |
| MATERIALS | Silicone tube over flexible steel wire<br>Black-chromed brass |
| COLOUR | Black |
| HEIGHT | Approx. 115 mm |
| WEIGHT | Approx. 25 g |
| CONNECTOR | FME (female)<br>(Exchangeable BFME-connectors to be ordered separately) |




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

## RECOMMENDED BFME-CONNECTORS: (To be ordered separately)

| 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.

10.2004