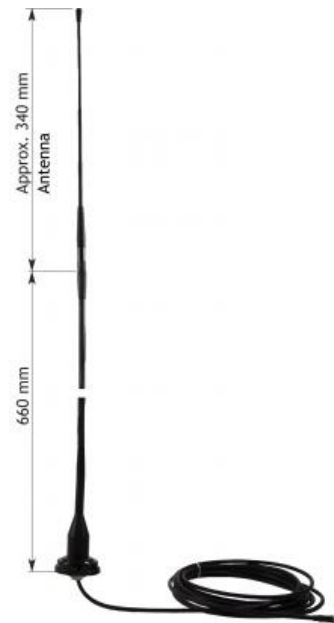


## End-Fed $\frac{1}{2}$ $\lambda$ Dipole Antenna for TETRA Band

### DESCRIPTION

- Flexible  $\frac{1}{2}$   $\lambda$  TETRA-antenna (models within 380 - 430 MHz).
- The end-fed dipole principle makes the antenna independent of groundplane.
- The radiating part of the antenna is placed on top of a glassfibre tube with shock spring approx. 660 mm above the mounting area.
- The large distance to the mounting area results in an almost perfect radiation, completely independent of the mounting area.
- Permanently attached 5 m RG 58 cable with FME(female) connector.
- Wide range of FME-accessories available.



### ORDERING

Model	Product No.	Frequency
EFD TETRA-1000/l	140000610	380 - 410 MHz
EFD TETRA-1000/h	140000580	410 - 430 MHz

### SPECIFICATIONS

Electrical	
Model	EFD TETRA-1000/...
Frequency	Models within 380 - 430 MHz
Antenna Type	$\frac{1}{2}$ $\lambda$ antenna
Max. Input Power	25 W
Polarisation	Vertical
Impedance	50 $\Omega$
Gain	0 dB (compared to a $\frac{1}{4}$ $\lambda$ portable antenna)
VSWR	< 2.0:1
Bandwidth	20 - 30 MHz dep. of model
Mechanical	
Connection(s)	5 m RG 58 permanently attached cable with FME (female)
Materials	Black-chromed brass Weather- and shockproof plastics Polyethylene covered flexible steel wire Cu-nite brass, seawater resistant Spring: Black chromed stainless steel
Installation Torque	8.5 +/- 1 Nm
Colour	Black
Dimensions	55mm diameter
Height	1000 mm / 39.37 in.      16 mm / 0.63 in.
Weight	0.5 kg / 1.10 lb
Mounting	14 mm / 0.55" dia. hole
Mounting Plate Thickness	0.7 - 4.5 mm / 0.03 - 0.18 in.
Environmental	
Operating Temperature Range	-50°C to +70°C

## ADDITIONAL DATA

## FME-SYSTEM ACCESSORIES

FME-CABLES	
TYPE	PRODUCT NO.
1 m FME	130000437
2 m FME	130000447
3 m FME	130000457
4 m FME	130000466
5 m FME	130000474
6 m FME	130000483
4 m FME-white	110000064
6 m FME-white	110000066
12 m FME-white	110000068
18 m FME-white	110000069

FME-CONNECTORS	
TYPE	PRODUCT NO.
FME-FME	130000583
FME-P (Prolongation)	130000565
FME-N	130000571
FME-FSMA (Female-SMA)	130000578
FME-BNC	130000566
FME-TNC	130000569
FME-UHF	130000572
FME-MUHF (Mini-UHF)	130000573
FME-EMUHF (Elbow-MUHF)	130000582
FME-EBNC (Elbow-BNC)	130000580
FME-ETNC (Elbow-TNC)	130000581
FME-SMA	130000577

For further information about other types of FME-cables and FME-connectors, please compare the cable and connector data sheets under accessories.

□

## MOUNTING

The gasket should be entirely supported by the mounting plane.

Do not use sealer on rubber gasket or other places.

## TYPICAL SWR CURVE

