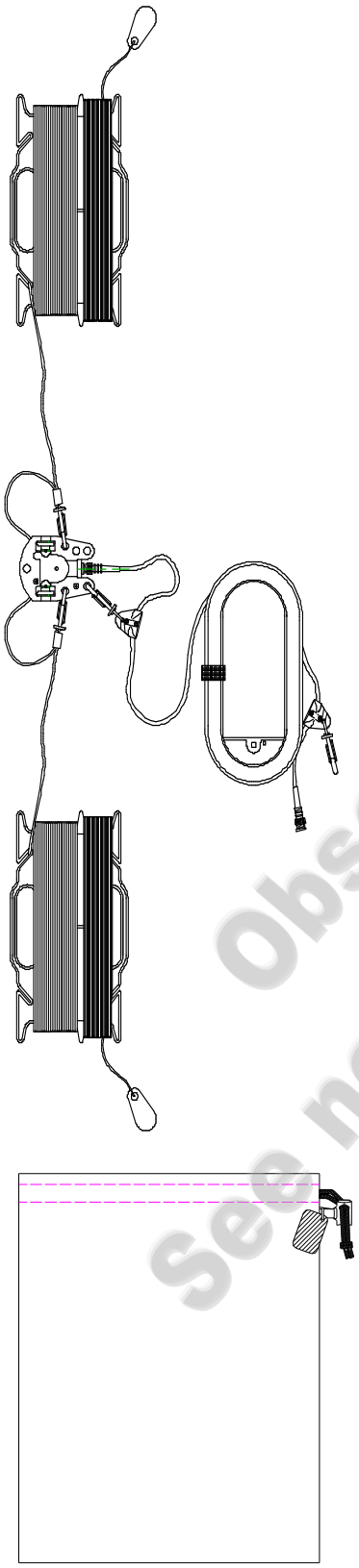
COMROD AT86N

Adjustable wire dipole, 2.3-30MHz



Application:

The AT86N is designed for use together with mobile HF communication radios.

Electrical specifications:

The antenna is adjustable within the frequency band to half wave resonance. It is fed through a balancing choke in the centre junction.

Frequency range	2.3-30 MHz
VSWR	≤ 2:1
Nominal impedance	50 ohm
Power, max	400 W PEP

Mechanical specifications:

The antenna consists of the following components:

Radiating element: 2 x 30 m polyurethane insulated tinned copper braided Kevlar core. Minimum breaking strength: 100kp. Radiating element is wound on winder together with 25 m suspension cord and a throwing weight.
Weight. 2 x 0,76 kg.

Centre junction: The balancing choke is completely encapsulated within a moulded fibreglass casing. It is equipped with eyelets for attaching strain relief hooks from radiating elements and feeding cable. Termination is BNC female.
Weight: 0,15 kg.

Feeding cable: The standard coaxial feeder comprises 15 m RG58 cable with polyurethane mantle wound on a winder. Each termination is equipped with a "Chinese finger" strain relief and a BNC male connector. Weight 0,73 kg
Total Weight 2,4 kg.

Mounting: By utilising the throwing weight, the dipole can be suspended between suitable trees, thus dispensing with portable masts. In use the dipole is simply adjusted to the desired frequency by unwinding to the required frequency marker and locking the radiator into a slot, no testing is

Nato codification complete antenna	5985-25-129-1665