



Application:

The AV8 is a centre-fed coaxial half-wave dipole for the aeronautical communication band 118-144 MHz. The dipole element is embedded in polyurethane foam and enclosed in a fibreglass reinforced tube. A special construction gives AV8 DC short to earth.

Electrical specifications:

Frequency range	118-144 MHz
Nominal impedance	50 ohm
Power rating	100 W
Gain	2 dbi
Pattern	Omnidirectional
Polarization	Vertical
Connector	N type female
VSWR	< 2:1 see plot

Mechanical specifications:

Design	Centre-fed coaxial dipole. Radiating element completely enclosed in polyurethane foam within a fibreglass tube. Aluminium mounting hardware.
Height	1.7 m (5.7 ft)
Weight	3.5 kg
Wind rating	55 m/s = 125 mph
Finish	Polyurethane lacquer, white
Temperature range	-55°C, +55°C; -67°F, +131°F

