

AD-52 - Wire antenna

Type designation: **AD-52**

PN (RN): **6000001411**

The antenna AD-52 is a wideband wire directional antenna intended for use with handheld or manpack radio units in VHF frequency range from 30 to 88 MHz. The antenna is mainly intended for use in stay because of its simple construction and easy erecting. Except of the wire radiating element the antenna is composed of matching transformer unit, watertight enclosed in a fiberglass housing, the 15 m long coaxial feeder, lifting rope 25m with weight, anchor and hammer. All together is packed in a handy linen bag, suitable for transport.

Technical parameters

Frequency range	30 MHz to 90 MHz
Impedance	50 Ω
VSWR	< 1.8
Gain (vs. 1/4 I)	8 dB to 11.5 dB
3 dB beamwidth azim.	90 ° to 30 °
3 dB beamwidth elev.	35 ° to 10 °
Front to back ratio	> 13 dB
Polarization	vertical
Maximum power	50 W CW
Connector type	FME +N, TNC, BNC
Weight	3.8 kg
Antenna length	17.8 m
Mounting height	8 m to 10 m
Temperature range	-40 °C to +70 °C