AL13 - Long tape antenna 1.5 m

Type designation: **AL13**
NSN: **5985160033179**
PN (RN): **2039.100.01**
KČN: **0064685905834**

This is a basic type antenna for RF13 transceiver (VHF). It can be easily used instead of 1.5 m RF13.6 whip antenna. This antenna can also be used with #RF20# or RF1301 transceivers.

Description

The antenna proper consists of two independent parts: matching unit and antenna radiator. Bottom part of the antenna fitting consists of appropriate connector with a cap nut. There is a gooseneck with threaded insert on the top fitting part. The radiator is made of a flexible steel tape covered by a plastic sleeve. The steel tape makes it possible to bend the antenna at any point; the minimum bending radius is 1 cm. The bottom radiator part is ended by a screw joint ensuring mechanical connection with the antenna fitting.

The antenna is electrically connected to the transceiver via a BNC connector, mechanical resistance is secured by a screw joint on the transceiver and a cap nut on the antenna. This time-valued method ensures a high mechanical resistance during motion on broken or wooded terrain and in case of a possible falling of the transceiver.

The design of the antenna makes it possible to fold it to the length of 0.3 m. Thus it can be easily put in the bag.

Technical parameters

Frequency range	30 MHz to 88 MHz
Impedance	50 Ω
VSWR	max. 6
Power rating	up to 5 W
Radiation pattern	omnidirectional
Operating temperature range	–30 °C to +60 °C

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Whip length	1.32 m
Weight (including matching unit)	0.4 kg

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