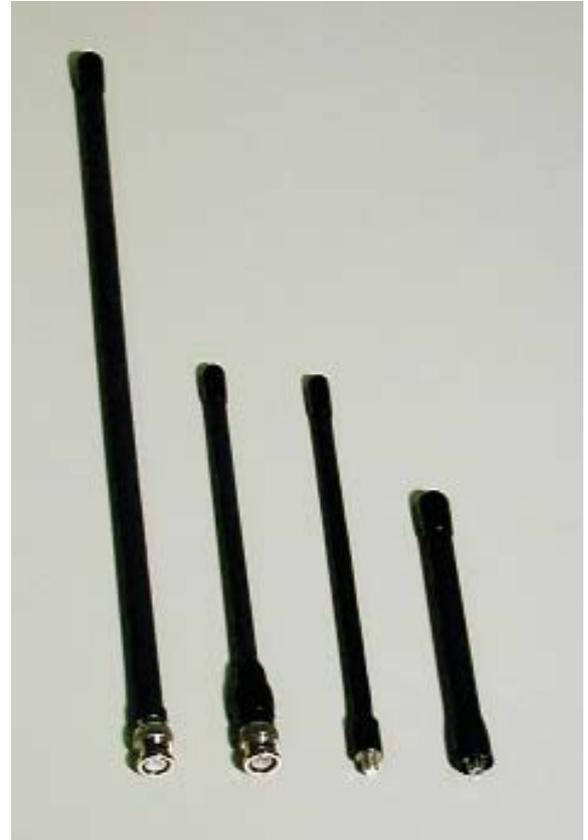


The antennas AD-20 represent the family of so called "rubber flexible antennas", primarily intended for use with a two-way hand held or other portable radios. Difference between particular antennas are in frequency range, type of radiating element and in type of connecting element or connector.

Common properties are in good electrical conductivity (the radiating element is galvanically coated with copper), perfect mechanical and climatic properties and roughness enabled with special coating of heatshrinkable tube with silicone layer. The code of the antenna is AD-20/x-y-z, where "x" means frequency range, "y" means type of radiating element and "z" means type of connecting element. The table shows the meaning of particular numbers. All antennas are tuned on the beginning of the frequency band or on customer request.

Antennas AD-20/... have three basic types of radiating element:

- **HELIX type** - made of strong spring-steel wire coated with copper; such radiator is physically and therefore electrically shorter (approx. 30% of normal 1/4 wave antenna length)
- **WIRE type** - made of straight flexible wire; full 1/4 wave length
- **TAPE type** - made of special steel tape covered with plastic jacket, full 1/4 wave length; mechanically extremely robust antennas



	X-frequency range	Y-type of radiating element	Z-type of connector
1	36 - 42 MHz	helix	5/32"
2	66 - 88 MHz	wire	3/8"-24G
3	144 -174 MHz	tape	5/8"-24G
4	400 - 500 MHz		1/4"-32UNEF*
5	800 - 1000 MHz		1/4"-36UNS**
6			
7			
8			
9			UHF (PL-259)
10			BNC (UG-88/U)
11			N (UG-21/U)
12			TNC
13			SMA

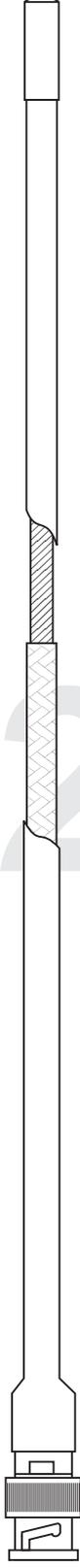
EXAMPLE: AD-20/x-y-z ==> AD-20/3-1-10 is spring rubber antenna with BNC connector for frequency range 144-174 MHz

* - for Motorola GP 3xx series; ICOM IC-F61

** - for Motorola DP 4000 series



typical antenna AD-20/x-1-z



typical antenna AD-20/x-2-z



typical antenna AD-20/x-3-z