

COLV-100/4

COLINEAR FIXED ANTENNA OMNIDIRECTIONAL VHF

Made of aluminum, this antenna is recommended for repeater stations.

It has a low irradiation angle, ensuring excellent coverage on rough terrain.

For its technical characteristics, this antenna is especially suitable for high-traffic radio communication systems.

Partnumber	Model	Range
502110	COLV-100/4AX	148 / 162 MHz
502115	COLV-100/4BX	160 / 174 MHz
502116	COLV-100/4CX	156 / 170 MHz
502109	COLV-100/4DX	138 / 154 MHz

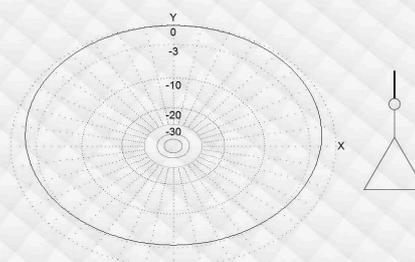
ELECTRICAL SPECIFICATIONS

VSWR	≤ 1,5 : 1
Polarization	Vertical
Nominal impedance	50 Ω
Maximum power	350 Watts
1/2 POT. angle	Horizontal 167 MHz 210°
1/2 POT. angle	Vertical 167 MHz 18°

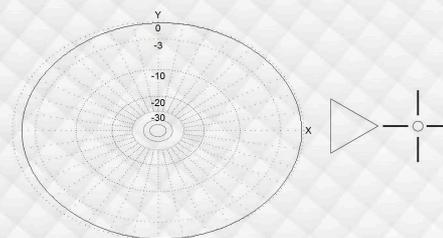
MECHANICAL SPECIFICATIONS

Gondola diameter	50,80 mm
Gondola length	6000 mm
Weight	15,500 Kg
Wind exposure area	0,36 m ²
Connector	UHF Female
Basic material	Aluminum
Operating wind	≥ 110Km/h
Wind of survival	≥ 200Km/h

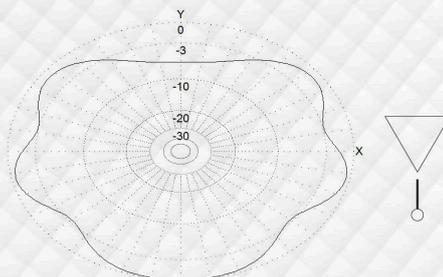
GAIN	SETTINGS
8,65 dBi	Omnidirectional dipoles
8 dBi	Bidirectional dipoles
11 dBi	Offset dipoles



View from the top of the tower.
Elements pointed in opposition to the tower,
(maximum gain).



View from the top of the tower.
Elements distributed at 90°,
(gain decreases +- 5dBi)



View from the top of the tower.
Elements pointed towards the tower,
(maximum gain).

