

COLV-100/4EX

COLLINEAR ANTENNA VHF OMNIDIRECTIONAL

VHF collinear antenna, with a minimum gain of 10.5 dBi, for LTE service in the 250MHz band.

The antenna, designed for repeater stations, is constructed of aluminum, making it lightweight and with a small area exposed to wind.

The low radiation angle allows for excellent coverage on uneven terrain and is ideal for applications in rural areas.

Its internal electrical contact points were hermetically sealed with a special polymer that is resistant to UV radiation and water penetration.

Partnumber	Model	Range
502198	COLV-100/4EX A	225 / 256 MHz
502217	COLV-100/4EX A CTN	225 / 256 MHz
502227	COLV-100/4EX B	234 / 270 MHz
502228	COLV-100/4EX B CTN	234 / 270 MHz

ELECTRICAL SPECIFICATIONS	
VSWR	≤ 1,5 : 1
Polarization	Vertical
Nominal impedance	50 Ω
MAXimum power	350 Watts
Half-power angle	Vertical 250MHz 12°

MECHANICAL SPECIFICATIONS	
Gondola diameter	44,45 mm
Length	4000 mm
Weight	8,6 Kg
Area exposed to wind	0,735 m ²
Connector	UHF female / N female
Basic material	Aluminum
Operational wind	≥ 110Km/h
Survival wind	≥ 200Km/h

GAIN	SETTINGS
≥ 10,5 dBi	Dipole as opposed to a tower
≥ 8,6 dBi	Offset dipole

