Medium Gain TUNNEL Antenna

2.4-2.5 GHz

Product Code: A-HELI-0004

The tunnel antenna is the ideal antenna for 2.4-2.5 GHz wireless applications in tunnels. In tests, both the data rate and range achieved with this antenna was greater than obtained when using linearly polarized panel antennas of the same gain.

The antenna in the picture is painted grey; however the colour can be changed according to the user’s requirement.

The hardy construction of this antenna makes it ideal for the mining environment. A-HELI-0004 is a uni-directional antenna that is only 405mm in length and has a gain of about 15 dBi.

This antenna gives you a low cost network infrastructure for current voice and data needs. Future proof since WiFi means low cost devices and well known access for man and machine.

WHERE DO YOU USE THIS?

- LTE
- 3G
- GSM
- WiMAX
- WIFI
- GPRS
- EDGE
- HSPA
- CDMA2000
- EVDO
INCLUDED WITH PRODUCT:

- Mounting Bracket: Two eyebolts for ceiling mount
- Cable Length: —
- Connector: N(f)

ELECTRICAL:

- Frequency in MHz: 2400-2500
- Gain (Max): 15 dBi
- VSWR: < 2.0:1
- Feed Power Handling: 10 W
- E-Plane 3 dB Beamwidth: 40° (± 5°)
- H-Plane 3 dB Beamwidth: 360°
- Front to Back: 20 dB (± 3 dB)
- Nominal Input Impedance: 50 Ohm
- Polarisation: Circular

ENVIRONMENTAL:

- Wind Survival: —
- Temperature Range (Operating): -20° C to +70° C
- Thermal Shock: -20° C to +70° C : 10 cycles
- Water Ingress Rating: IP65 (NEMA 4X)

MECHANICAL:

- Dimensions (L x W x D): 40.5 cm x 11 cm x 13 cm
- Packaged Dimensions: 45 cm x 16 cm x 16 cm
- Weight: 1.25 kg
- Packaged Weight: 1.26 kg

PLOTS:

- VSWR Pattern at 2400 MHz and 2500 MHz
- Gain

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