

VSA

VHF LEAKY FEEDER STOPE ANTENNA

DESCRIPTION

- VSA Antenna is a passive device used for extra tunnel coverage at Leaky Feeder cable end. i.e. undercut galleries, extraction level, galleries under development or non permanent installation.
- Depending on the tunnel size, shape and ore type, antenna coverage can vary from 80 to 150 meters line of sight from the cable. Leaky Feeder cable typical coverage is 10 meters.
- VSA installation is quite simple. Two metallic rods are installed to the antenna box sides, and in this way a half-dipole antenna that is adapted to the Leaky Feeder frequency it's assembled. Rods are included as a kit.
- Like other UQOMM Leaky Feeder devices, the VSA uses bronze terminals. No special tool or training required, perfect for assembly in time and operational critical workplaces like underground mines.



SHORT DESC.

- VSA is a passive device to extend cable coverage at the end of the Leaky Feeder cable.
- VSA is adapted to the Leaky Feeder working frequency range.

SPECS

■ Frequencies:	146 - 176 MHz
■ Impedance:	75 Ohms
■ Antenna Gain:	0 dB
■ VSWR 75%:	1 : 1.36
■ VSWR @ 150 MHz:	1 : 1.42
■ VSWR @ 175 MHz:	1 : 1.36
■ DC Blocking:	Yes
■ Cable Connector:	Bronze terminals
■ Enviromental protection:	IP66, metallic cable glands.
■ Weight:	0,86 Kg
■ Size:	160 (w) x 60 (d) x 75 (h)
■ Rod Lenght	mm3 370 mm ea

