HF OMNI-DIRECTIONAL TACTICAL DIPOLE ANTENNA

Model # HFTD-330L **Frequency 3 – 30 MHz.** **3 dBi Gain**

DESIGN FEATURES: The HFTD-330L HF Tactical Dipole Antenna offer optimum performance, low SWR operation at the resonance frequency and suitable for 100 watts RF Transceiver. The HF tactical dipole antenna has exceptional strength and durability by utilizing marine grade stainless steel stranded rope/wire radiating elements materials. The HF tactical dipole antenna propagates NVIS, local, medium or long distance communications system since its deployment can be controlled by operator himself to suit all operational requirements.

The HF tactical dipole antenna can be configured for multirole such as a Horizontal Dipole configuration is suitable for short or medium range omni-directional coverage and long distance communication at Broadside of antenna; Sloping Dipole configuration is suitable for short or medium range omni-directional coverage; a Bent Dipole or Inverted L configuration is suitable for low frequency ground wave communication; a Base Feed Vertical configuration is suitable for omni-directional ground wave and long distance sky wave communication; a Sloping V configuration is suitable for directional medium range communication; a Inverted V configuration is suitable for directional long range communication. Any one of configuration can be rapidly deployed from carry bag by an operator within 10 minutes.

CONSTRUCTIONS: The HF tactical dipole antenna elements are calibrated with heat shrink printed markers in 0.5MHz interval between 3 to 10 MHz and 1MHz interval between 10 to 30MHz band. The antenna is supplied with halyard/throwing rope, stainless steel “S” hooks, Balun/junction box fitted with chromium plated brass terminal, winding spools, throwing weight, carry bag and 10 meters long low loss feeder cable fitted with connectors.

The radiating element of HF tactical dipole antenna is made of ultra corrosion resistant marine grade stainless steel to ensure the survivability in worst environment conditions. The HF tactical dipole antenna can be mounted in various configurations as stated in above paragraph depending on the required communication range; however a standard dipole configuration (Horizontal Polarized) is recommended. HF tactical dipole antenna does not use any terminating resistor so full power is available for radiation to increase the overall efficiency of the antenna.

Although the HF tactical dipole antenna is designed for tactical defense applications but can be used by emergency services, HAM operators and other organizations that requires fast and reliable communications.

Complete Technical Datasheet of this product in .pdf format is only available for registered users. For registration please contact our Technical Support Team at ts@antennaexperts.in

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