



The Centre-Fed Dipole Antenna is designed to extend Scope network coverage and improve communication reliability in demanding environments. Installed externally on masts, towers, buildings, and other infrastructure, it delivers enhanced signal propagation compared with indoor antenna installations, helping overcome building attenuation and local obstructions.

Key Benefits

Extends network coverage and communication range

- Improves signal performance through external installation
- Minimizes losses associated with indoor antenna mounting
- Supports repeater and base station applications
- Suitable for point-to-multipoint communication networks
- Engineered for continuous outdoor operation
- Rugged construction for harsh environmental conditions

External mounting improves Scope network coverage, increases service area, and enhances signal reliability compared with antennas installed inside buildings or equipment rooms.

Built for Reliable Outdoor Operation

Manufactured from corrosion-resistant aluminum and protected by a fully molded weatherproof enclosure, the Scope Communications UHF Centre-Fed Dipole Antenna is engineered for dependable performance in demanding outdoor environments.

Its IP67-rated construction, static discharge protection, and robust mechanical design make it an ideal choice for critical communications infrastructure where reliable network coverage is essential.

Accessories

- 5 m LBC240 low-loss coaxial cable, pre-terminated with BNC or SMA connector
- 10 m LBC240 low-loss coaxial cable, pre-terminated with BNC or SMA connector
- 15 m LBC240 low-loss coaxial cable, pre-terminated with BNC or SMA connector
- Wall-mount clamp
- Pole-mount clamp

Specification :

Frequency: 420 - 470 MHz

Polarization: Vertical or Horizontal 3 dB

Beamwidth, E-Plane 80 ° 3 dB Beamwidth, H-Plane

Omni - will depend on mounting distance from mast.

Impedance: 50 Ω

Gain: 0dBd

Connector: N Type socket with shroud

Cable: 0.50 metres of RG213 Bending LBC240 cable Bending Radius Flexing 63.5mm Bending Radius Static 19mm VSWR + or - 15 % of centre frequency

Max. Input Power: 75 W

Antistatic Protection: All metal parts DC-grounded (Connector shows a DC-short)
Materials: Boom, 32 mm dia. aluminum elements, 12.7 mm dia. aluminum balun, fully molded enclosure

Dimensions: 470 x 300 x 95mm (L x H x D)

Operating Temperature: -40° / +85°C (- 40° / 185°F)

rASWind Load: 81 N (160km/h)

Weight: 2.4 kg / 5.29 lb

Balun Encapsulant: Polyurethane Resin U-600

Ingress Protection: IP67

Scope Communications UK Ltd
Quantum House
Steamer Quay
Totnes, Devon, TQ9 5AL
England

Tel: +44 (0) 1803 860700

Web: www.scope-uk.com

Email: sales@scope-uk.com