



**20-30-40-4**  
**Wideband UHF**  
**Spring-Mounted Vehicular**  
**Antenna**  
**225 to 512 MHz**

## FEATURES

- **Lightweight**
- **Spring Mounted CECOM base**
- **Robust construction**
- **100 Watts CW**
- **1-2 dBi Gain through band**
- **Designed to MIL-STD-810 environmental conditions**
- **Supplied in Desert Sand or NATO Green**
- **Ground plane independent**

The 20-30-40-4 is a high performance, spring mounted wide band UHF antenna intended for vehicular, ship borne or fixed shelter installations.

When vehicular mounted, its spring base minimizes impact damage and also allows for tie down stowage.

The antenna is designed as a center fed dipole, with its lower element in combination with ferrite decoupling of the feed cable acting as an RF choke to minimize pattern corruption due to differing mounting arrangements.

Lossless matching and the geometry of the antenna feed arrangement combine to produce a very efficient UHF antenna covering the entire frequency band of 225 - 512 MHz.



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# SPECIFICATIONS

## Cooper Antennas Model 20-30-40-4 Wideband UHF Spring-Mounted Vehicular Antenna

### ELECTRICAL

Frequency	225 - 512 MHz
Gain (typical)	1-2 dBi through band
VSWR	≤ 2.5:1
Impedance (nominal)	50 Ohms
Power	100 Watts CW
Polarization	Vertical
Antenna Connector	N-Type Female

### MECHANICAL

Total Height	46.5 inches (1181mm)
Element Diameter	
Antenna	2.25 inches (57mm)
Base	5.5 inches (140mm)
Mounting	4 holes on 4.5 inches (114mm) circle to CECOM standard pattern
Weight	6.9 lbs (3.14kg)

### FINISH

Antenna	Urethane Desert Sand and Lusterless black spring
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Other finish options are available. Please specify finish required when ordering.

Note: Cooper Antennas Ltd has a policy of continuous product improvement and data herein is therefore subject to change. Please check with Cooper Antennas Ltd that this data sheet is at latest issue before initiating contract activity.