

Installation Sheet

CD61 Series Mopole™ Antenna

CD61-3847-XX & CD61-4552-XX

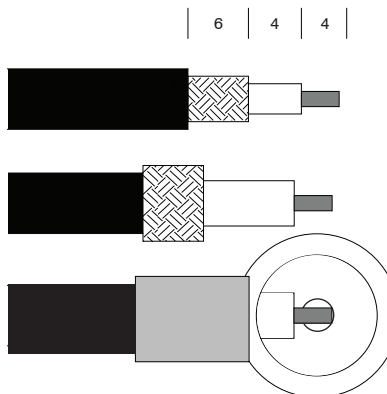


RFI's CD61 Series broadband antenna supports multiband radio technology, providing full interoperability among emergency services and commercial radios, regardless of UHF segment used. The CD61 provides outstanding coverage of UHF frequencies, in a ready-to-install, no tune design.

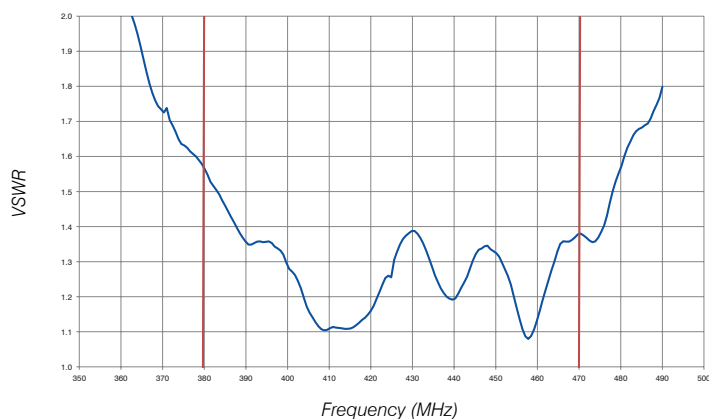
The integrated matching circuit is housed in a rugged, impact-resistant base for maximum durability with a fully moulded highly flexible whip. The CD61 is designed to interface with standard PL259 (MBC) mobile mounts, facilitates existing installation upgrades on public safety vehicles.

To Terminate the Antenna:

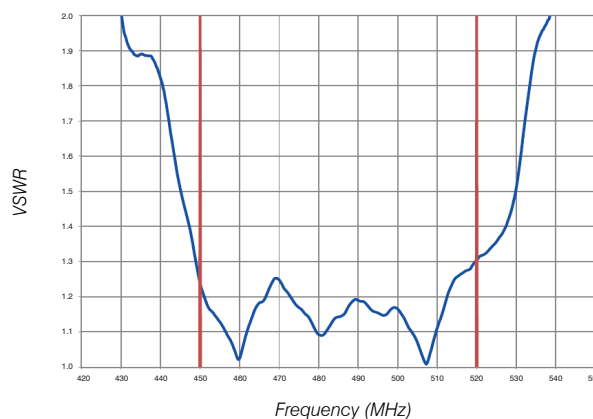
1. Strip back cable to the dimensions shown (mm)
2. Fold braid back over jacket
3. Insert cable and screw braid into the threaded flange
4. Solder the centre conductor to the slot in the centre pin and replace base cap.



VSWR Plot (380-470MHz):
Typical VSWR Response



VSWR Plot (450-520MHz):
Typical VSWR Response



Model	Description	Frequency Band	VSWR
CD61-3847-50	Broadband UHF antenna with MBC base (no cable)	380-400MHz	<1.7:1
CD61-3847-53	Broadband UHF antenna with MBC base & 5 metre RG58C/U (no connector)	400-470MHz	<1.5:1
CD61-4552-50	Broadband UHF antenna with MBC base (no cable)	450-520MHz	<1.5:1
CD61-4552-53	Broadband UHF antenna with MBC base & 5 metre RG58C/U (no connector)		