

## Antenna Grounding Information (Outdoors)

Installation of an antenna near power lines is dangerous.  
For your safety, Antennas Direct recommends grounding your outdoor antenna and/or mast in accordance with National or Local Electrical Codes.

### Why It's Important:

To reduce the chances of your antenna or mast being struck by lightning, follow the National or Local Electrical Codes to properly ground these items during installation. Grounding will eliminate static electricity, as well as protect against energy to the mast if the antenna comes in contact with live electrical wires.

The National Electrical Code includes the requirements for grounding your antenna or mast in Article 810. Please consult the NEC, a local licensed electrician, or a local electrical inspector for details.

### Grounding the Mast

Outdoor masts should be grounded with Grounding Conductors (see F in diagram) to the building's Power Service Grounding Electrode System (see E) at a permitted location. Please consult the NEC Article 810.21 for a complete listing of permitted connection points.

### Grounding the Coaxial Cable

Install the Coaxial Cable (see A) and Grounding Block (see B) near the point where the coaxial cable enters the building. Connect a permitted Grounding Conductor (see F) from the Grounding Block (see B) at a suitable connection location and as close to the Power Service Grounding Electrode System (see E) in accordance with NEC or your Local Electrical Codes.

### Permitted Grounding Wire

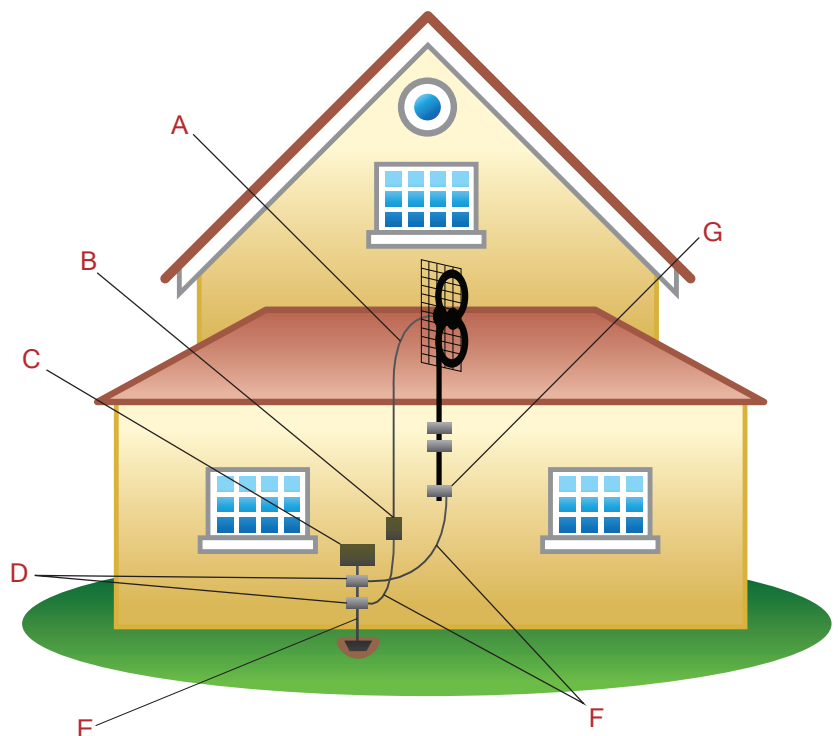
Minimum wire requirements must be 10 AWG (Copper), 8 AWG (Aluminum), or 17 AWG (Copper-Clad Steel). The wire can be insulated or uninsulated. The Grounding Conductor (see F) must be securely fastened to the building in a secure place using Ground Clamps (see D or G) and also be protected from physical or environmental damage. You can run Grounding Conductors (see F) outside or inside the building.

**Indoor Installation-** Grounding the antenna is not required for indoor use including attic installations

**Check your National or Local Electrical Codes for more details.**

### Examples of Grounding Accessories:

- A Coaxial Cable
- B Grounding Block
- C Electric Service Equipment
- D Ground Clamps
- E Power Service Grounding Electrode System
- F Grounding Conductors
- G Ground Clamp



Antennas Direct®, Inc. does not assume any liability for damage, improper installation, abuse, misuse, modification or injury involved with the installation, grounding, or lack thereof for any of our products. Antennas Direct does not sell grounding accessories shown here; however you can find them at your local hardware store.