

# 5 Prepare the RF Cables

Follow these steps to prepare the RF coax cables you will connect to the antenna.

- a. Determine the number of RF cables you need to connect to the antenna for your particular installation (see Figure 10).

**NOTE:** A system with a dual linear LNB requires an additional 50 ft (15 m) RG-6 RF cable with a sealing boot (KVH part no. 32-0819-50). Spare right-angle connectors and right-angle boot extensions are supplied in the kit.

- b. Determine the type of RF cable(s) and connectors required in addition to what is supplied in the antenna kit (see Figure 11). Then follow the guidelines below to prepare the cable(s).

**IMPORTANT!**

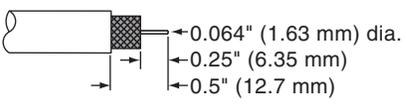
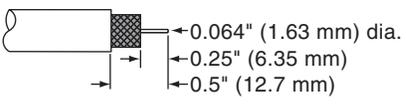
- Do not reuse old RF cables from a previous antenna installation. The RF1 cable between the TV-Hub and the antenna carries not only satellite signal, but power and data as well. Therefore, the integrity and reliability of this cable is critically important.
- RF cables must be rated for 75Ω, not 50Ω.
- Use of any cables not specified in Figure 11 will void the warranty.
- Low-quality, poorly terminated, or improperly installed RF cables are the most common cause of system problems. Terminate all RF cables with high-quality “F” connectors using the proper stripping/crimping tools, exactly to the manufacturer’s specifications.
- When determining cable lengths, be sure to account for an adequate service loop, approximately 8" (20 cm) at both ends of each cable.

Figure 10: Number of RF Coax Cables to Connect to Antenna

Connecting to:	RF Cables
<i>System with Circular LNB</i>	
1 receiver	1
2 or more receivers	1*
<i>System with Single Linear LNB</i>	
1 receiver	1
<i>System with Dual Linear LNB</i>	
2 receivers	2

\* Multiswitch may be required.

Figure 11: RF Cable Requirements

Up to 100 ft (30 m) Cable Run	
Cable	RG-6 (KVH part no. 32-0417-0100)
Connector	Thomas & Betts SNS1P6 (KVH part no. 23-0170)
Tools	Augat IT1000 (KVH part no. 19-0242)
Strip Lengths	
Up to 200 ft (60 m) Cable Run	
Cable	RG-11 (KVH part no. 32-1272-0200)
Connector	Thomas & Betts SNS11AS (KVH part no. 23-0213)
Tools	Thomas & Betts CST596711, L3011B (KVH part no. 72-0493)
Strip Lengths	

Note: LMR-400-75 is a suitable substitute.