

Cable Configuration Options

	1'	3'	5'	10'	50'	100'
Cable Diameter	Common Uses: Inside enclosures or short antenna extensions Use Ultraflex (UF) cable to improve bend radius Connector Style: Right-Angle or Bulkhead Connectors		Common Uses: Antenna extensions Connector Style: Use Straight Connectors		Common Uses: Feeder cable runs Connector Style: Use Straight Connectors	
195	95% <i>(See example below)</i>	88%	81%	65%		
240	97%	92%	86%	75%	23%	
400		95%	93%	86%	47%	
600			95%	90%	61%	37%

Example:
 A one foot run of 195 cable (diameter=0.195”) will transmit 95% of a 2400MHz signal. Higher frequency signals experience more loss.

- Recommendations:**
1. Select cable with efficiency greater than 50%. For every 3dB of loss is 50% efficient.
 2. For Small Form Factor/Low power radios (e.g. modems, SCADA radios) use higher efficiency jumpers.