

Overview

The 12" RF Coaxial Gooseneck Assembly allows for flexible antenna mounting options, allowing omni antennas to be mounted in different positions with respect to other antennas. This becomes particularly useful when dealing with MIMO radio antenna setups & dismounted user applications. Southwest Antennas RF Coaxial Gooseneck Assemblies can also be threaded through vest loops, web gear, and MOLLE gear giving users increased flexibility in antenna mounting options.

Part #1040-017 from Southwest Antennas features an overall length of twelve inches, an outside diameter of 0.495 inches, and TNC(m) non-rotating to TNC(f) RF connectors. This model is waterproof to a depth of 20 meters (65.6 ft.), can bend and hold past a 180-degree angle, and has a black low-visibility finish.

Features:

- DC - 6 GHz
- .495" Flex-Arm Outside Diameter
- Durable Raychem NTRF Neoprene Heat Shrink Primary Seal
- Two Secondary Polyolefin Heat Shrink Seals
- Waterproof to 20 Meters (65.6 ft)
- Low RF Insertion Loss
- Black Chrome RF Connectors
- Bend & Hold 180°+
- TNC Male Non Rotating RF Connector
- Light Weight
- Rugged Design
- "Flat Black" Finish / Low Visibility

Applications:

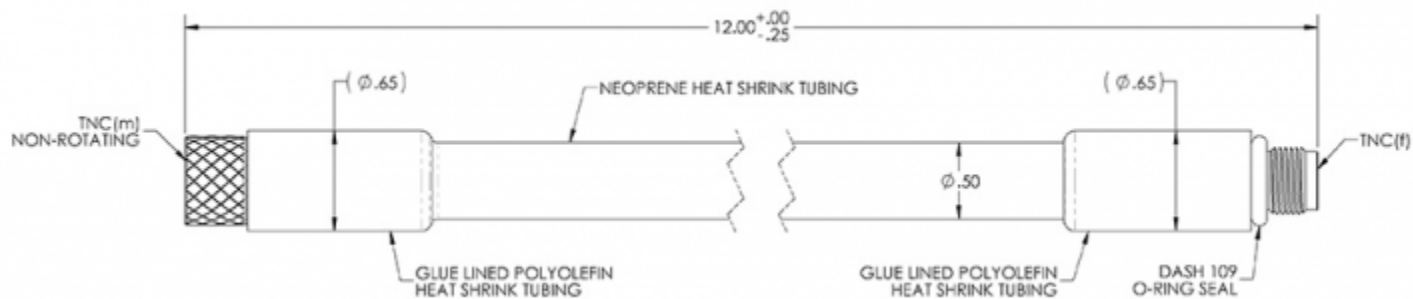
- Transmit & Receive Antennas
- Body Worn Radios & Systems
- Handheld Radios
- Small Form Factor Radios
- Unattended Sensor Systems
- Dismounted Communications
- Precision Surveying Receivers
- Unmanned Ground Vehicles
- I.E.D. Recognition & Destruction Jamming Systems
- Asset Tracking
- Oil & Gas Industries
- Law Enforcement
- Military & Defense



RF Gooseneck Specifications

Parameter	Value	Units	Tolerance
RF Gooseneck Impedance	50	Ohms	
RF Gooseneck Operating Frequency Range	DC to 6 GHz		
RF Gooseneck Insertion Loss (Typical)	500MHz = -.3dB, 1GHz = -.4dB, 2GHz = -.6dB, 3GHz = -.85dB, 4GHz = -1.15dB, 5GHz = -1.9dB, 6GHz = -2.0dB		
RF Gooseneck VSWR (Max)	1.5:1	Ratio	
RF Gooseneck Power Handling (Max)	50	Watts	
RF Gooseneck Max Load Vertically Mounted	0.9 / 0.4	lbs / kg	
RF Gooseneck Max Load Horizontally Mounted	0.6 / 0.3	lbs / kg	
RF Gooseneck Flexarm Material	Steel & aluminum construction		
RF Gooseneck Flexarm Finish	Gooseneck flex arm covered and sealed with primary Neoprene shrink tube (Raychem NTFR material), two secondary environmental seals provided by Polyolefin glue lined shrink tube (Raychem ATUM 3/4 material)		
RF Gooseneck RF Connector Interfaces	MIL-STD-348 compliant RF Connectors, black chrome finish per MIL-DTL-14538		
RF Gooseneck RF Connector Types	TNC(m) (non-rotating) & TNC(f)		
Waterproof	Gooseneck assembly to show no evidence of moisture internally when submerged in 20 meters of water. (All Connectors capped with QPL Type-N Dust Caps)		
RF Gooseneck Operating Temp	-40 to +85	C	
RF Gooseneck Storage Temp	-55 to +85	C	
Product Length	12.00 / 304.80	inches / mm	+ .000" / -.250"
Product Diameter	0.50 / 12.57	inches / mm	±.1"

Parameter	Value	Units	Tolerance
Product Weight	5.6 / 158.8	oz / grams	



Engineering Drawing

All dimensions are in inches