

PRELIMINARY

Overview

Southwest Antennas Part # 1040-059 is a 11" RF coaxial gooseneck assembly that allows for flexible antenna mounting options. The RF coaxial gooseneck assembly allows 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.

Features:

- DC - 6 GHz
- .47" Diameter Flex-Arm (Including Primary Seal)
- 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) & TNC Female RF Connectors
- Light-Weight Design
- Rugged Design
- Black Finish / Low Visibility



Applications:

- Transmit & Receive Antennas
- Handheld Radios
- Body Worn Radios & Systems
- 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

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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 = -.228dB, 1GHz = -.319dB, 2GHz = -.481dB, 3GHz = -.582dB, 4GHz = -.823dB, 5GHz = -.809dB, 6GHz = -.93dB, 7GHz = -.985dB, 8GHz = -.981dB, 9 GHz = -.961dB, 10 GHz = -.913, 11 GHz = -1.101dB, 12 GHz = -1.383dB		
RF Gooseneck VSWR (Max)	2.0:1		
RF Gooseneck Power Handling (Max)	50	Watts	
RF Gooseneck Max Load Vertically Mounted	0.6 / 0.3	lbs / kg	
RF Gooseneck Max Load Horizontally Mounted	0.5 / 0.2	lbs / kg	
RF Gooseneck Flexarm Material	Steel and 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 TNC dust caps)		
RF Gooseneck Operating Temp	-40 to +85	C	
RF Gooseneck Storage Temp	-55 to +85	C	
Product Length	11.00 / 279.40	inches / mm	+ .000" - .250"
Product Diameter	0.47 / 11.94	inches / mm	±0.1"

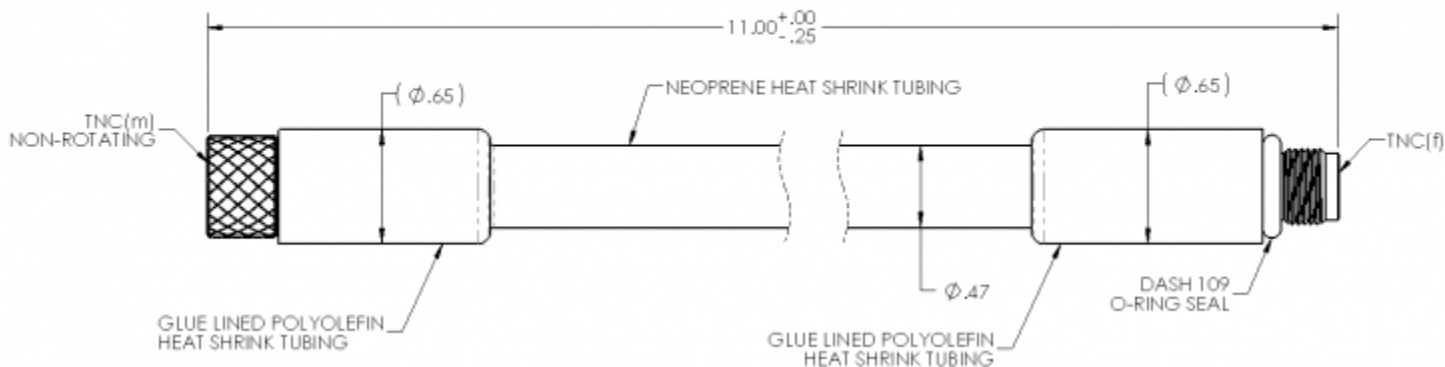


Part # 1040-059
RF Coaxial Gooseneck Assembly, 11.0" Length, 0.47" OD, TNC(m) Non-Rotating to TNC(f) RF Connectors

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Parameter	Value	Units	Tolerance
Product Weight	6.3 / 178.6	oz / grams	

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Engineering Drawing

All dimensions are in inches