



#### Overview

Amphenol RF offers locking cable assemblies with configurations utilizing high-frequency SMA connectors. These SMA connectors have a threaded coupling mechanism guaranteeing a secure connection while the secure locking feature of the locking connector increases the necessary force required to de-mate the connector to 20N preventing accidental de-mating. The 1.13 mm cable used on these assemblies is easily routable, making it easy to use in tight spaces.

Quality materials used in the construction of these assemblies assures high-performance reliability in a variety of demanding and rigorous applications. MHF I LK locking connectors are made from phosphor bronze with gold plating, guaranteeing resistance to harsh environments. SMA connectors are constructed from brass and also feature gold plating on the body and contact.

This cable assembly comes in pre-configured lengths of 50 mm to 400 mm. Custom lengths are available upon request.

#### Features and Benefits

- Reliable electrical performance up to 6 GHz
- Ideal for continuous shock and vibration applications
- Easily routable cable
- Threaded SMA provides secure mating

#### Applications

- Drones
- Wireless Communications
- Robotics
- IoT
- Wireless Routers
- Industrial Equipment
- Embedded Systems

#### Ordering Information

Part Number	Description
095-902-596-050	SMA Straight Plug to MHF I LK, 1.13 mm cable, 50 mm
095-902-596-100	SMA Straight Plug to MHF I LK, 1.13 mm cable, 100 mm
095-902-596-150	SMA Straight Plug to MHF I LK, 1.13 mm cable, 150 mm
095-902-596-200	SMA Straight Plug to MHF I LK, 1.13 mm cable, 200 mm
095-902-596-250	SMA Straight Plug to MHF I LK, 1.13 mm cable, 250 mm
095-902-596-300	SMA Straight Plug to MHF I LK, 1.13 mm cable, 300 mm
095-902-596-350	SMA Straight Plug to MHF I LK, 1.13 mm cable, 350 mm
095-902-596-400	SMA Straight Plug to MHF I LK, 1.13 mm cable, 400 mm

#### Amphenol RF

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For more information visit [www.amphenolrf.com](http://www.amphenolrf.com)  
or call 800.627.7100

# Amphenol® RF

## Technical Specifications

### Electrical

Impedance	50Ω
Frequency Range	DC - 6 GHz

### Environmental

RoHS Compliance	Compliant with Exemption 6C
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### Mechanical

	SMA	MHF I LK
Mating Cycles	500	30
Coupling Mechanism	Threaded	Push-on

### Materials

	SMA	MHF I LK
Body	Brass, Gold-Plated	PBT
Contact		Phosphor Bronze, Silver Plating

*Note: Technical specifications are typical and may vary by specific part number. Please see component drawing.*

*MHF I LK is a trademark of IPEX Inc.*

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