



### Overview

Amphenol RF offers pre-configured SMA straight and right-angle plug and jack configurations. These assemblies are designed on hand formable 0.085 inch cable which provides versatility in new designs that may require custom shapes, superior shielding capabilities and reliable, high-frequency electrical performance up to 18 GHz.

These in-series assemblies allow a cable to be connected from a board to a panel or modules which is ideal for RF and microwave applications in laboratory testing and industrial environments. Conformable 0.085 inch cable can be bent and formed by hand during installation, eliminating the need for additional tools, and will maintain its shape in compact systems and controlled routing paths allowing for optimal signal routing.

### Features and Benefits

- High-frequency electrical performance up to 18 GHz
- Hand formable cable designed for optimal signal routing
- Secure threaded coupling mechanism
- Versatile, durable construction

### Applications

- RF and microwave modules
- Test and measurement equipment
- Board-to-panel interconnects
- RF enclosures and box builds
- Laboratory and prototyping environments
- High-frequency signal routing between components

### Amphenol RF

Four Old Newtown Road  
Danbury, CT 06810

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

### Ordering Information

#### SMA to SMA on 0.085-Inch Conformable Cable

Part Number	Description
135101-R1-XX.XX	SMA Straight Plug to SMA Straight Plug
135104-R1-XX.XX	SMA Right-Angle Plug to SMA Right-Angle Plug
135106-R1-XX.XX	SMA Straight Plug to SMA Straight Jack
135108-R1-XX.XX	SMA Straight Jack to Straight Jack

Note: '-XX.XX' denotes length code. See chart below for available lengths.

#### Standard Lengths Available

Length Code	Length in Inches
-03.00	3"
-04.00	4"
-05.00	5"
-06.00	6"
-07.00	7"
-08.00	8"
-09.00	9"
-10.00	10"
-11.00	11"
-12.00	12"
-18.00	18"
-24.00	24"
-36.00	36"
-48.00	48"

Contact Amphenol RF for custom lengths.

# Amphenol<sup>®</sup> RF

## Technical Specifications

### Electrical

Impedance	50Ω
Frequency Range	DC – 18 GHz
Dielectric Withstanding Voltage	500 VRMS Min

### Environmental

Temperature Range	-65°C to +165°C
RoHS Compliance	Compliant with Exemption 6C

### Mechanical

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

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