



### Overview

Amphenol RF offers a full line of RP-SMA to AMC fixed length cable assemblies featuring the popular threaded RP-SMA interface and the ultraminiature AMC connector. These assemblies are available in both IP67 and non-IP67 configurations on industry-standard micro-coax cable types. RP-SMA to AMC assemblies are ideal for applications that require a space efficient solution.

RP-SMA to AMC cable assemblies feature a small footprint and low profile and proves reliable electrical performance up to 6 GHz. These 50 ohm assemblies are compatible with the industry-standard U.FL interface for additional mating options. The reverse polarity connector is a variation of the standard interface where the gender has been reversed.

Non-IP67 assemblies offer a small flange whereas waterproof IP67 assemblies are designed to offer an extra layer of protection from external elements with an o-ring seal. Both IP67 and non-IP67 assemblies can accommodate panels up to 6.60 mm and 3.20 mm respectively.

### Features and Benefits

- Reliable electrical performance up to 9 GHz
- Threaded coupling mechanism for secure mating
- Vibration resistant design
- Waterproof IP67 options available
- Wide variety of configurations and cable types

### Applications

- Antennas
- Base Stations
- Drones
- Test and Measurement Equipment
- Industrial Automation and Inspection
- Bluetooth and Cellular technology
- WLAN

### Amphenol RF

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or call 800.627.7100

### Ordering Information

#### IP67 RP-SMA to AMC Ultraminiature Cable Assemblies

Cable Type	Part Number	Description	Max Panel Thickness
1.13 mm	336312-12-XXXX	IP67 RP-SMA Str Rear Blkhd Jk to AMC RA PI	0.93 mm
	336320-12-XXXX	IP67 RP-SMA Str Rear Blkhd Jk to AMC RA PI	6.60 mm
	095-902-546-XXX	IP67 RP-SMA Str Rear Blkhd Jk to AMC RA PI	6.35 mm

#### RP-SMA to AMC Ultraminiature Cable Assemblies

Cable Type	Part Number	Description	Max Panel Thickness
1.13 mm	336306-12-XXXX	RP-SMA Str Rear Blkhd Jk to AMC RA PI	1.65 mm
	336314-12-XXXX	RP-SMA Str Rear Blkhd Jk to AMC RA PI	3.00 mm
1.32 mm	336306-13-XXXX	RP-SMA Str Rear Blkhd Jk to AMC RA PI	0.93 mm
	336314-13-XXXX	RP-SMA Str Rear Blkhd Jk to AMC RA PI	0.93 mm
	095-902-573-XXX	RP-SMA Str Front Blkhd Jk to AMC RA PI	0.87 mm
	095-902-574-XXX	RP-SMA Str Jk to AMC RA PI	N/A
1.37 mm	336314-14-XXXX	RP-SMA Str Rear Blkhd Jk to AMC RA PI	3.00 mm
	336306-14-XXXX	RP-SMA Str Front Blkhd Jk to AMC RA PI	0.93 mm
RG-178	095-902-578-XXX	RP-SMA Str Rear Blkhd Jk to AMC RA PI	3.20 mm

Note: 'XXX' and 'XXXX' denotes length code. See component drawing for available lengths.

## Technical Specifications

### Electrical

Impedance	50Ω
Frequency Range	DC - 6 GHz (Extended range: DC – 9 GHz)
Voltage Rating	65 Volts RMS Max Continuous
Dielectric Withstanding Voltage	200 VRMS Max
Insulation Resistance	500 MΩ Min

### Environmental

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

### Mechanical

	RP-SMA	AMC
Mating Cycles	500 Min	30 Min
Coupling Mechanism	Threaded	Snap-On

### Materials

	RP-SMA	AMC
Body	Brass, Gold Plating	Phosphor Bronze, Silver Plating
Contact	Brass or Beryllium Copper, Gold Plating	Phosphor Bronze, Gold Plating
Insulator	PTFE	PBT

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