



Overview

Amphenol RF offers a full line of new and improved SMA to AMC fixed length cable assemblies featuring improved design SMA connectors. These new assemblies offer a number of improvements over old designs. Non IP-67 assemblies have been economically redesigned with a smaller flange and no o-ring seal. Both IP-67 and Non IP-67 assemblies now accommodate thicker panels of 5.95mm and 3.2mm respectively.

These assemblies are offered with both IP-67 and Non IP-67 SMA Bulkhead Jacks to AMC right angle plugs on industry standard black 1.13mm, 1.32mm, and 1.37mm Micro-Coaxial Cable. Custom solutions available upon request.

Features and Benefits

- Industry Standard Designs
- Space efficient and economical design improvements
- Extended max panel thickness

Applications

Non IP-67 Assemblies

- WLAN
- M2M Communications
- External Antenna Connection

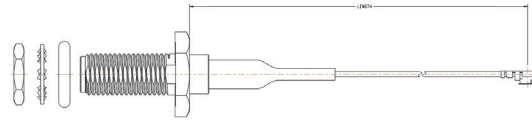
IP-67 Assemblies

- Industrial process control
- Test and measurement machinery
- Mining equipment
- Outdoor communication equipment

Amphenol RF
Four Old Newtown Road
Danbury, CT 06810

For more information visit www.amphenolrf.com
or call 800.627.7100

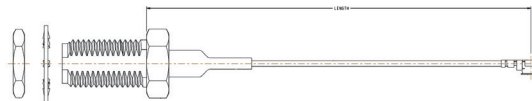
IP-67 Configurations



Part Number	Configuration	Cable Type
336319-12-XXXX*	SMA Bulkhead Jack, IP67 to AMC Plug, Extended Mating Face	1.13mm
336320-12-XXXX*	RP-SMA Bulkhead Jack, IP67 to AMC Plug, Extended Mating Face	1.13mm

*XXXX denotes length code, see Available Lengths table below for details

Non IP-67 Configurations



Part Number	Configuration	Cable Type
336313-12-XXXX*	SMA Bulkhead Jack to AMC Plug	1.13mm
336313-13-XXXX*	SMA Bulkhead Jack to AMC Plug	1.32mm
336313-14-XXXX*	SMA Bulkhead Jack to AMC Plug	1.37mm
336314-12-XXXX*	SMA Bulkhead Jack RP to AMC Plug	1.13mm
336314-13-XXXX*	SMA Bulkhead Jack RP to AMC Plug	1.32mm
336314-14-XXXX*	SMA Bulkhead Jack RP to AMC Plug	1.37mm

*XXXX denotes length code, see Available Lengths table below for details

Available Lengths

Length Code	Length in mm
0050	50
0100	100
0150	150
0200	200
0250	250
0300	300

Amphenol® RF

Technical Specifications

Electrical

Impedance	50Ω, nominal
Frequency Range	DC - 6 GHz
Contact Resistance	Center Contact: 20 mΩ Max.
	Outer Contact: 10 mΩ Max.
Insulation Resistance	500 mΩ Min.
DWV	No line or insulation breakdown: 200 VAC for 1 Min.

Mechanical

Durability	AMC: 30 Mating Cycles SMA: 500 Mating Cycles
Temperature Range	-40° to +90°C
Mating	Demating Force 10N Typical – 20N Max

Materials and Finishes

	AMC to Cable	SMA Connectors
Connector Body	Phosphor bronze, silver plated (0.76u Min.) over copper (1u Min.)	Brass, gold plate over nickel (50u) over copper (50u)
Connector Center Contact	Phosphor bronze, gold plated (0.076u min.) over nickel (2u Min)	Male Pin: Brass, gold plate (3u) over nickel (50u) over copper (50u) Female Pin: Phosphor Bronze, gold plate (3u) over nickel (50u) over copper (50u)
Connector Insulator	PBT	PTFE
Cable Jacket	FEP	N/A
Cable Dielectric	FEP	N/A
Cable Center Conductor	Annealed copper wire stranded, silver plated	N/A
Cable Outer Conductor	Annealed copper wire braid, tin plated	N/A

Amphenol RF
Four Old Newtown Road
Danbury, CT 06810

For more information visit www.amphenolrf.com
or call 800.627.7100