



## Overview

Amphenol RF offers a variety of pre-configured IP-rated SMA cable assemblies designed on flexible RG-316 coax cable. These 50 ohm assemblies are available in straight or right-angle plug to straight bulkhead jack configurations and provide reliable electrical performance up to 3 GHz. SMA cable assemblies are ideal for applications that require a more ruggedized, waterproof solution such as industrial and IoT equipment.

IP67 SMA cable assemblies are designed with lightweight, durable connectors that feature a threaded coupling mechanism for secure locking and vibration resistance. The flexibility of the cable, along with the small diameter, makes them suitable for a variety of indoor and outdoor applications.

## Features and Benefits

- Engineered with flexible RG-316 cable type
- Available in a variety of standard lengths
- Supports both indoor and outdoor applications
- Vibration resistant design

## Applications

- Industrial Equipment
- Antennas
- Outdoor Kiosks
- Base Stations
- Military Communications

## 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

# IP67 SMA CABLE ASSEMBLIES

Pre-Configured 50 Ohm Assemblies on Flexible Cables

## Ordering Information

### IP67 SMA Cable Assemblies on RG-316

Part Number	Description
095-902-569-XXXX	IP67 SMA Right Angle Plug to SMA Straight Bulkhead Jack, RG-316
095-902-570-XXXX	IP67 SMA Straight Plug to SMA Straight Bulkhead Jack, RG-316

Note: 'XXXX' denotes length code. See available lengths in chart below.

## Standard Lengths Available

Length Code	Length in Inches (Millimeters)
-006	6.00 in (152.40 mm)
-012	12.00 in (304.80 mm)
-018	18.00 in (457.20 mm)
-024	24.00 in (610 mm)
-036	36.00 in (914.40 mm)
-M025	9.84 in (250 mm)
-M050	19.69 in (500 mm)
-M075	29.53 in (750 mm)
-M100	39.37 in (1000 mm)

## Technical Specifications

### Electrical

Impedance	50Ω
Frequency Range	DC - 3 GHz
Dielectric Withstanding Voltage	750 VRMS Max

### Environmental

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

### Mechanical

Mating Cycles	500 Min
Coupling Mechanism	Threaded

### Materials

Body	Brass, Gold Plating
Contact	Beryllium Copper, Gold Plating
Insulator	PBT

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