



## Overview

The SMA to SMA cable assemblies on RG-188 coaxial cable are designed to withstand extreme temperature applications. RG-188 coaxial cable provides a balance of flexibility and performance, making them well-suited for high-frequency signal transmission in space-constrained areas. RG-188 cable resists temperatures of up to 205 °C, is pliable and has increased shielding effectiveness compared to other cable types.

Straight-to-straight, right-angle to right-angle, and right-angle to straight plug configurations are available, ensuring compatibility for any design requirement. They are available to order in lengths of 6, 12, 18, 24 and 36 inches, and 1 or 2 meters.

These cable assemblies offer top-of-the-line performance on every configuration. They are part of a robust and comprehensive offering of SMA cable assemblies available as off-the-shelf solutions.

## Features and Benefits

- Reliable electrical performance up to 3 GHz
- Low loss & low VSWR
- Ruggedized construction
- Threaded coupling mechanism for secure installation

## Applications

- Wireless Communication Systems
- Aerospace & Defense
- Industrial Automation
- Autonomous Mining
- Medical & Scientific Instrumentation
- Test & Measurement Equipment

## SMA TO SMA RG-188 CABLE ASSEMBLIES

Engineered for automation, defense and medical applications

### Ordering Information

#### SMA Straight Plug to SMA Straight Plug

Part Number	Description
095-902-601-006	SMA Straight Plug to SMA Straight Plug on RG-188 50 ohm, 6" (152mm)
095-902-601-012	SMA Straight Plug to SMA Straight Plug on RG-188 50 ohm, 12" (305mm)
095-902-601-018	SMA Straight Plug to SMA Straight Plug on RG-188 50 ohm, 18" (457mm)
095-902-601-024	SMA Straight Plug to SMA Straight Plug on RG-188 50 ohm, 24" (609mm)
095-902-601-036	SMA Straight Plug to SMA Straight Plug on RG-188 50 ohm, 36" (914mm)
095-902-601M100	SMA Straight Plug to SMA Straight Plug on RG-188 50 ohm, 1m
095-902-601M200	SMA Straight Plug to SMA Straight Plug on RG-188 50 ohm, 2m

#### SMA Right Angle Plug to SMA Right Angle Plug

Part Number	Description
095-902-602-006	SMA Right Angle Plug to SMA Right Angle Plug on RG-188 50 ohm, 6" (152mm)
095-902-602-012	SMA Right Angle Plug to SMA Right Angle Plug on RG-188 50 ohm, 12" (305mm)
095-902-602-018	SMA Right Angle Plug to SMA Right Angle Plug on RG-188 50 ohm, 18" (457mm)
095-902-602-024	SMA Right Angle Plug to SMA Right Angle Plug on RG-188 50 ohm, 24" (609mm)
095-902-602-036	SMA Right Angle Plug to SMA Right Angle Plug on RG-188 50 ohm, 36" (914mm)
095-902-602M100	SMA Right Angle Plug to SMA Right Angle Plug on RG-188 50 ohm, 1m
095-902-602M200	SMA Right Angle Plug to SMA Right Angle Plug on RG-188 50 ohm, 2m

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095-902-603-006	SMA Straight Plug to SMA Right Angle Plug on RG-188 50 ohm, 6" (152mm)
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095-902-603M200	SMA Straight Plug to SMA Right Angle Plug on RG-188 50 ohm, 2m

## 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

# Amphenol® RF

## Technical Specifications

### Electrical

Impedance	50Ω
Frequency Range	DC - 3 GHz
Dielectric Withstanding Voltage	1000 VRMS Min

### Environmental

Temperature Range	-55°C to +165°C
RoHS Compliance	Compliant with Exemption 6C

### Mechanical

Mating Cycles	500 Min
Coupling Mechanism	Threaded

### Materials

Body	Brass, Gold Plating
Contact	Brass, Gold Plating
Insulator	PTFE, Natural

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

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