



Overview

Amphenol RF offers a variety of SMB plug to plug cable assemblies designed with flexible cable types. These 50 ohm assemblies are available in both straight and right-angle configurations on popular coax cables and provide reliable performance up to 4 GHz. SMB cable assemblies are ideal for applications where there are space constraints.

SMB cable assemblies are engineered with high-quality connectors that are manufactured using brass with gold plating. These connectors feature the convenient push-on coupling mechanism for easy mating and un-mating. The subminiature size of the connectors and versatility of the cable types allow them to fit in tight spaces such as those required within test and measurement laboratory equipment, antennas and military applications.

Features and Benefits

- Reliable push-on coupling mechanism
- Subminiature connector size
- Versatile flexible coax cable options
- Available in a variety of configurations

Applications

- Test and Measurement Laboratory Equipment
- Two-Way Radio Communication Systems
- WLAN
- Antennas
- Base Stations
- Military/Defense
- Telecom

Amphenol RF

Four Old Newtown Road
Danbury, CT 06810

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

Ordering Information

SMB to SMB on Flexible Coax Cables

Part Number	Description
095-700-37-XXXX	SMB Straight Plug to SMB Straight Plug RG-174
095-700-38-XXXX	SMB Straight Plug to SMB Straight Plug RG-58

[View All 50 Ohm SMB Cable Assemblies](#)

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)
-048	48.00 in (1219.20 mm)
-060	60.00 in (1524 mm)
-072	72.00 in (1828.8 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)
-M125	49.21 in (1250 mm)
-M150	59.06 in (1500 mm)
-M200	78.74 in (2000 mm)
-M300	118.11 in (3000 mm)

Amphenol® RF

Technical Specifications

Electrical

Impedance	50 Ω
Frequency Range	DC - 4 GHz*

Mechanical

Mating Cycles	500 Cycles Min.
---------------	-----------------

Environmental

Temperature Range	-40° to 85°C
RoHS	Compliant with exemption 6C

Materials

Body	Brass, Gold Plated
Female Contact	Beryllium Copper, Gold Plated
Male Contact	Beryllium Copper, Gold Plated
Insulator	PTFE

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

*RG-174 frequency range: DC - 1 GHz

Amphenol RF

Four Old Newtown Road
Danbury, CT 06810

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