

# Amphenol SV MICROWAVE<sup>®</sup>

RF Connectors & Components

## FEATURES & BENEFITS

**Performance up to 18 GHz**

**Low loss cable**

**Excellent VSWR**

**Ruggedized construction for repeatability and reliability**

**High Stability**

## APPLICATIONS

**Field RF Testing**

**High volume production stations**

**Test Labs**

**OEM cable assembly replacement**

**Automated test equipment**

**Test Cables**



# SV Microwave Test Cables

SV Microwave is now offering high performance DC to 18 GHz test cables. These test cables feature low insertion loss and excellent VSWR with great loss stability. Manufactured with stainless steel connectors triple shielded cable for ruggedized construction, SV Microwave test cables can withstand high mating cycles in field test environments.

SV Microwave test cables are designed and manufactured for a wide range of test and measurement applications. They can be used in high volume production stations, test labs and field testing. These test cables can also be used with automatic test equipment as well as OEM replacements. SV Microwave test cables are the perfect solution when in need of a cost effective and reliable test solution.

## Specifications

### Electrical

Impedance	50 $\Omega$
Frequency Range	DC to 18 GHz
VSWR @ 18 GHz	1.2:1
Insertion Loss @ 18 GHz	1.0 dB Max.

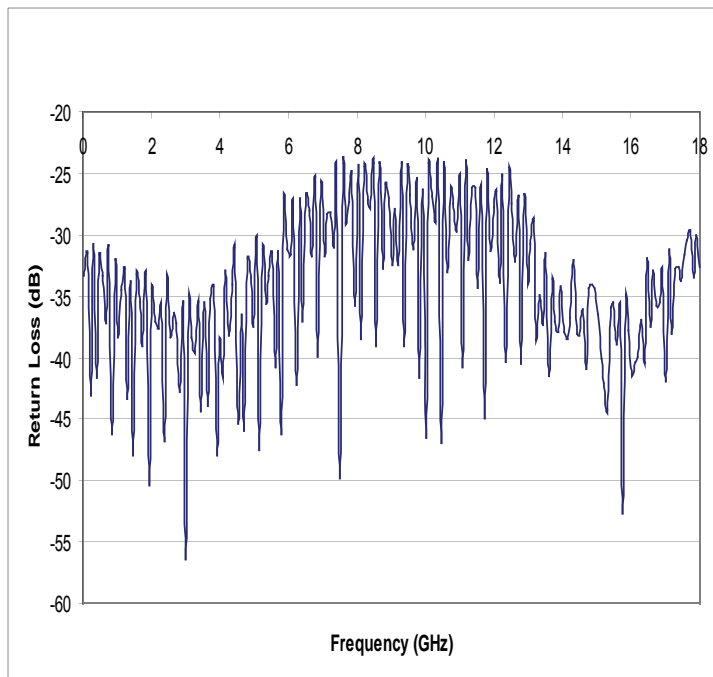
### Cable

Cable diameter	0.18"
Minimum bend radius	1.00"

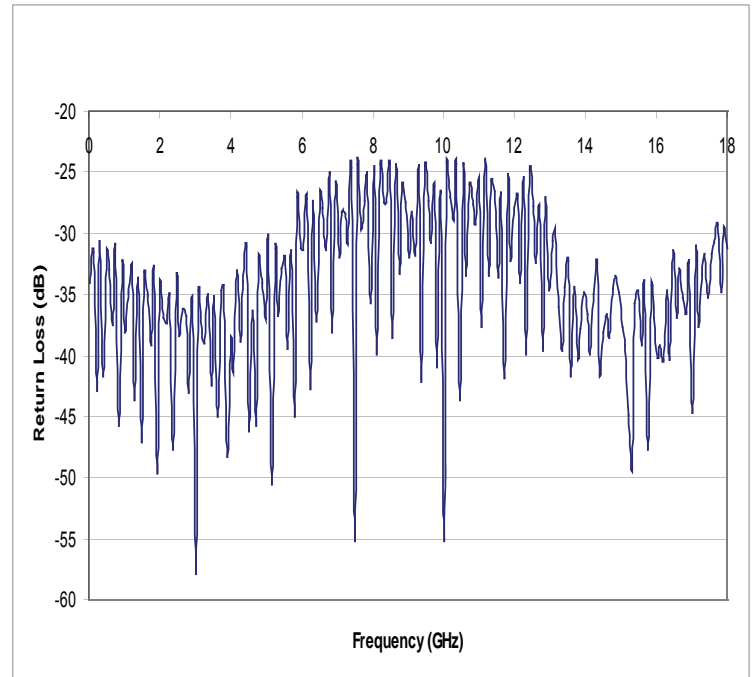
### Connector

Body	Passivated stainless steel
Contact	Gold plated beryllium copper
Maximum pull force retention	65 lbs
Average mating cycles	500

Return Loss vs. Frequency at natural state  
(24" SMA-SMA)



Return Loss vs. Frequency (24" SMA-SMA) after bending  
(360° coil, 4" diameter)



## Current Offering

Interface	Length	Part Number
SMA male to SMA male	24"	7029-0364
SMA male to SMA male	36"	7029-0401
SMA male to N male	24"	7029-0365
SMA male to N male	36"	7029-0402