



Ordering Information



SMA Plug to SMA Plug

Part Number	Length (in)	Length (mm)	Insertion Loss (max)
095-902-466-001	24.00	610	1.84 dB
095-902-466-002	36.00	914	2.61 dB
095-902-466-005	39.37	1000	2.84 dB
095-902-466-003	48.00	1219	3.37 dB
095-902-466-004	72.00	1829	4.90 dB

Overview

The ATC-PS series of amplitude and phase stable low loss test cables is a pre-configured SMA assembly designed specifically for test and measurement applications. This line features precision machined stainless steel connectors terminated to triple shielded, ultra low loss cable. ATC-PS test cables are ideal for test applications up to 20 GHz.

These SMA cable assemblies feature robust strain relief construction to ensure stability of the center contact relative to the connector body. This rigidity allows for optimal performance and consistent phase stability.

Features and Benefits

- DC to 20 GHz
- High Phase Stability
- Ultra low loss
- Supports over 5,000 mating cycles
- Robust construction
- Resistance to wear

Applications

- Test and measurement
- Lab and bench testing
- Production testing
- OEM cable alternative

Technical Specifications

Electrical		
Impedance		50 Ω
Frequency Range		DC – 20 GHz
Dielectric Withstanding Voltage		1000 VRMS
Insulation Resistance		500 MΩ m
Phase Stability (with bending)		5.0° max
Amplitude Stability		0.16 dB max
VSWR		1.27 max
Velocity of Propagation		70%
Capacitance		29.4 pF/ft
Shielding Effectiveness		< -95 dB
Contact Resistance	Contact Resistance	5 mΩ
	Outer Contact	2.5 mΩ

Mechanical		
Mating		Threaded
Mating Cycles		5000 cycles min.
Minimum Bend Radius		1 in. (25mm)

Environmental		
Temperature Range		-55°C to +110°C
RoHS		Compliant with exemption 6C

Materials		
Body and Coupling Nut		Stainless steel, passivated
Male Contact		Brass, gold plated
Retaining Ring		Phosphor bronze
Insulator		PTFE

Amphenol RF

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For more information visit www.amphenolrf.com
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