

**Product Name:** ZX00010108 50 Ohms RG405 0.086" DC to 20GHz Semi-Flexible RF High Speed SMA to SMA coax cable assembly

**Product Description:** DC to 20GHz RF High Speed SMA Jack to SMA Plug 50 Ohms 24 AWG ( 2.2mm) 0.086" diameter RG405 semi-flexible RF High Speed SMA Jack to SMA Plug coax cable assembly.

Cable length: 8 inches ( 20cm)

Insertion loss: < 0.2dB @ 10GHz

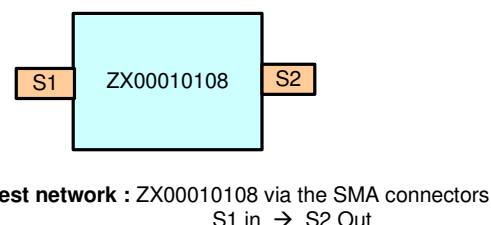
SMA mates with counterpart, please see ordering information.

**Application:** General RF SMA cable assembly , high speed coax cable assembly requiring absolute minimum insertion loss. DC-20GHz CSI, DSI, HDMI, DP USB 3.1 and embedded signal measurements

**Mates with :** SMA connector mates with standard SMA connector, please see ordering information.

**Coax Cable information:**

Type: RG405  
 Material: Silver plated copper  
 Dielectric: PTFE 1.68  
 Outer Conductor: Blue coating over Spiral Wrapped Silver Plated Copper Tape + Silver Plated Copper Barid  
 Attenuation: ([B/m]: 0.2dB [ < 3.4dB/meter @ 18GHz ]  
 Impedance: 50 Ohms  
 Dielectric Constant (dk): 2.1  
 Current rating: 5A  
 Capacitance: 95pF/meter  
 Minimum bend radius ( MBR ): single bend: 6mm multiple bends 25mm  
 Temperature rating: -65°C / +165°C  
 Flammability: UL 94 V-0  
 Flame resistance: compliance with IEC 60332-3-24



Semi-flexible cable – maintains any form due to its Silver Plated Copper Braid metal shielding.

**S-Parameter, Insertion loss:** ZX00010108 exhibits unprecedented low insertion loss. The following data is obtained from actual ZX00010108 RF DC to 20GHz SMA cable assembly using network analyzer. The S-Parameter is obtained using ZX00010108 combination of SMA Jack to SMA Jack cable assembly, RF SMA cable assembly.

**S-Parameter files:** Please download the S-Parameter files, .s2p files for the ZX00010108 networks from here :

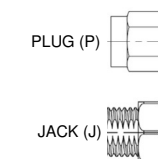
ZX00010108 DC to 20GHz SMA to SMA RF High Speed coax cable assembly: [ZX00010108-S-Parameter](#)

**Test reports** using network analyzer for 8" SMA to SMA RF high speed RG405 coax cable assembly, ZX00010108.

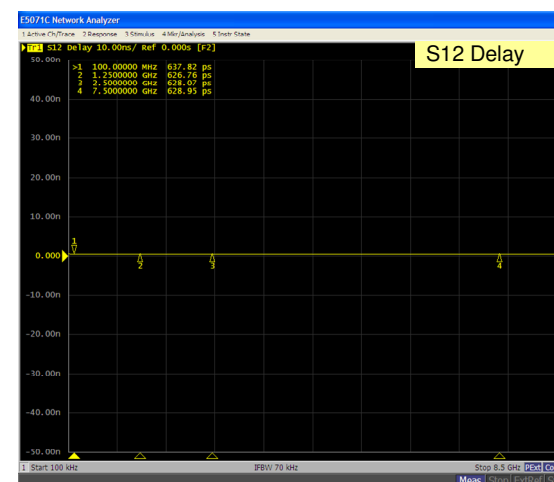
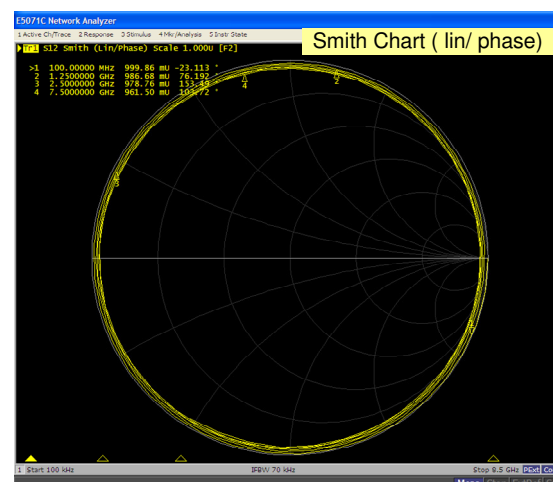
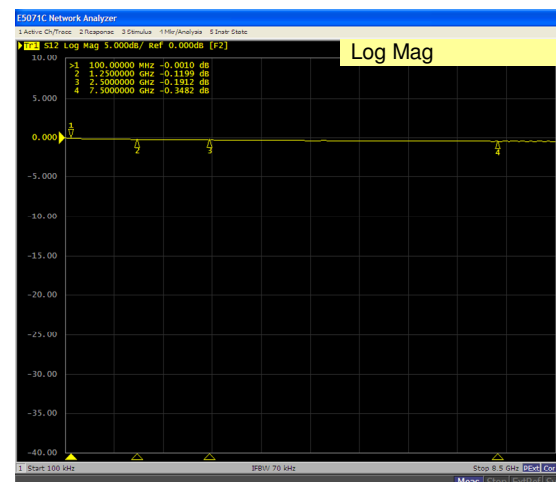
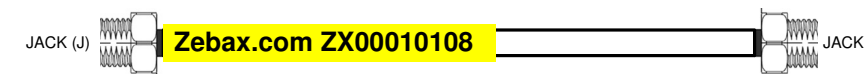
**SMA / SMP Connector:**

Type: 35u" GOLD PLATED AT pin  
 BRASS with Nickel finish 5u" on RING  
 Insulator: PTFE

**Ordering INFO:**  
 Part Number  
 ZX00010108



Note  
 ALL ZEBAX products are RoHS compliant and Lead Free unless otherwise indicated.



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SPECIFIED DIMENSIONS ARE INCHES (MM). ROHS COMPLIANT	<b>ASSEMBLY DRAWING</b>
	<b>ITEM: ZX00010108</b>
<b>DESCRIPTION: DC to 20GHz RF SMA to SMA coax cable assembly RG405 High Speed SMA to SMA</b>	
<b>CHECKED:</b> M. MARINA	<b>DRAWN:</b> SLAVIK
	<b>REVISION: 1.0</b> <b>SHEET: 1 OF 1</b>