

Product Name: **ZX000x0336** 50 Ohms RG405 0.086" DC to 20GHz Semi-Flexible RF High Speed **SMA to SMP Jack coax cable assembly**

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

Cable length: 36 inches (91cm)

Insertion loss: < 3dB @ 18GHz

SMA & SMP connectors mates with counterpart, please see ordering information.

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

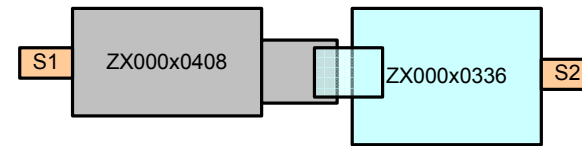
Mates with : SMA connector mates with standard SMA connector, please see ordering information. SMP mates with any standard SMA Plug.

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]: < 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

SMA / SMP Connector:

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



Test network : ZX000x0408 Plug and ZX000x0336 via the SMP connectors

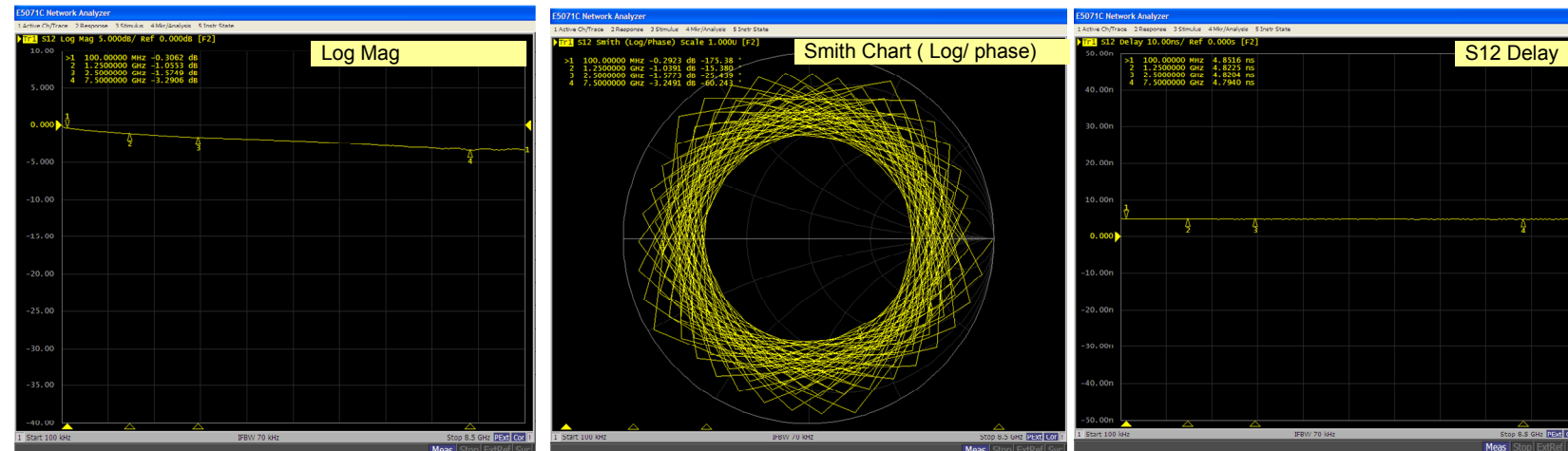
S1 in → S2 Out

S-Parameter, Insertion loss: ZX00020336 exhibits unprecedented low insertion loss. The following data obtained from actual ZX00020336 RF DC to 20GHz SMA cable assembly using network analyzer. The S-Parameter is obtained using ZX000x0408-J and ZX00020336 combination of Plug and Socket (Receptacle) SMP cable assemblies.

S-Parameter files: Please download the S-Parameter files, .s2p files for the ZX00020336 networks from here :

ZX00020336 DC to 20GHz SMA to right angel SMP RF High Speed coax cable assembly: [ZX000x0336-S-Parameter](#)

Test reports using network analyzer for 36" SMA to SMP RG405 coax cable assembly, ZX00020336.



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

Pictured ZX00020336 – ZX00010336 is identical RF High Speed SMA to SMP 36" long using SMA Jack connectors.

Ordering INFO:

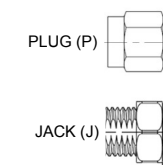
Part Number
 ZX000x0336 options

36" Length (inches)

03 : SMP Jack

01 : SMA Jack (Standard)

02 : SMA Plug connector



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

ZEBAX TECHNOLOGIES
 SANTA CRUZ, CA U.S.A (8 3 1) 2 2 2 - 0 7 1 7
 WWW.ZEBAX.COM

SPECIFIED DIMENSIONS ARE INCHES (MM). ROHS COMPLIANT

ASSEMBLY DRAWING
ITEM: ZX000x0336

DESCRIPTION: DC to 20GHz RF High Speed SMA to SMP Jack RG405 coax cable assembly

CHECKED: M. MARINA
 DRAWN: SLAVIK
 REVISION: 1.0
 SHEET: 1 OF 1

Notice
 ALL ZEBAX TECHNOLOGIES DESIGN SPECIFICATIONS, DRAWINGS, PUBLICATIONS, AND OTHER DOCUMENTS (TOGETHER AND SEPARATELY, "MATERIALS") ARE BEING PROVIDED "AS IS." ZEBAX MAKES NO WARRANTIES, EXPRESSED, IMPLIED, STATUTORY, OR OTHERWISE WITH RESPECT TO THE MATERIALS, AND EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES OF NO INFRINGEMENT, MERCHANTABILITY, AND FITNESS FOR A PARTICULAR PURPOSE.

Information furnished is believed to be accurate and reliable. However, Zebax Technologies assumes no responsibility for the consequences of use of such information or for any infringement of patents or other rights of third parties that may result from its use. Specifications mentioned in this publication are subject to change without notice. This publication replaces all other information previously supplied. Zebax Technologies does not authorize its name in life support devices or systems.