

Product Name: ZX000x0316 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 SMP coax cable assembly.

Cable length: 16 inches (40cm)

Insertion loss: < 0.4dB @ 10GHz

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

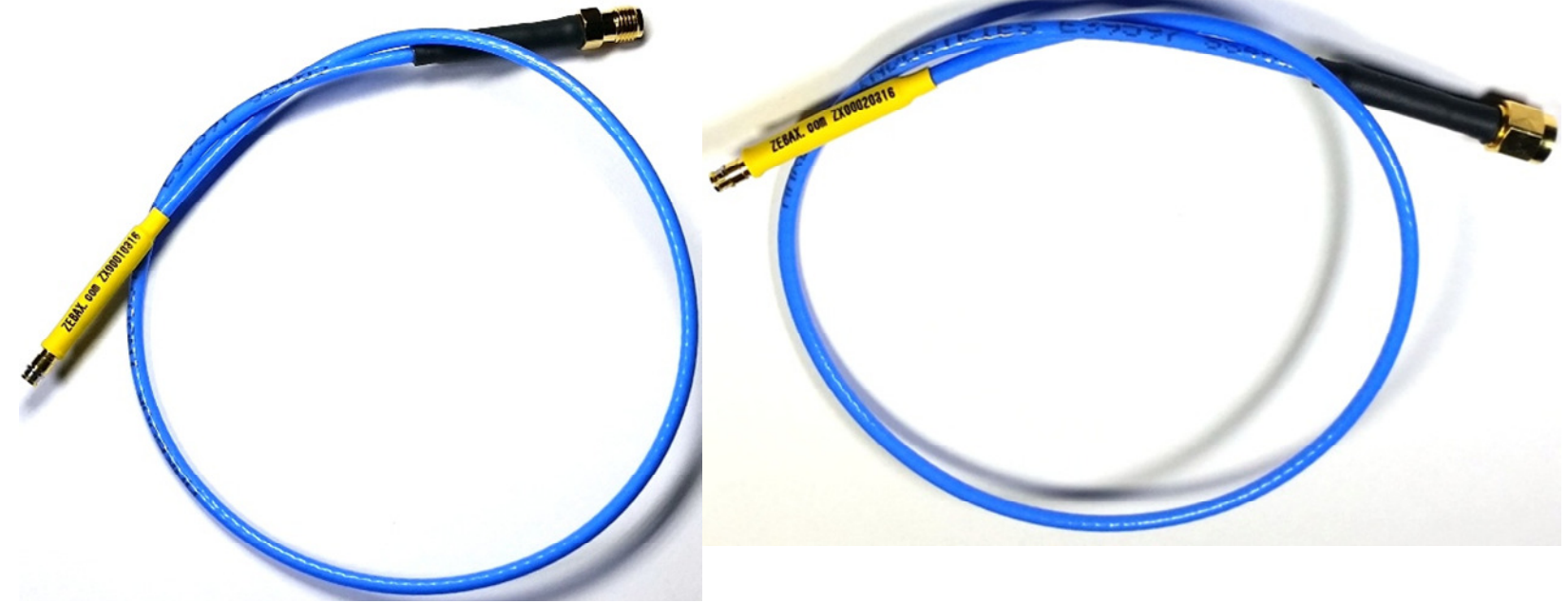
Mates with : SMA connector mates with standard SMA connector, please see ordering information. SMP mates with any standard SMA Plug.

Coax Cable information:

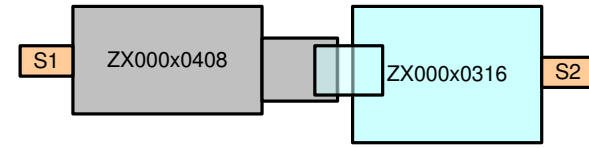
Type: RG405
 Material: Silver plated copper
 Dielectric: PTFE 1.68
 Outer Conductor: Blue coating over Spiral Wrapped Silver Plated Copper Tape + Silver Plated Copper Barid
 Attenuation: ([dB/m]: 0.4dB [< 3.4dB/meter @ 18GHz]
 Impedance: 50 Ohms
 Dielectric Constant (dk): 2.1
 Current rating: 5A
 Capacitance: 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



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

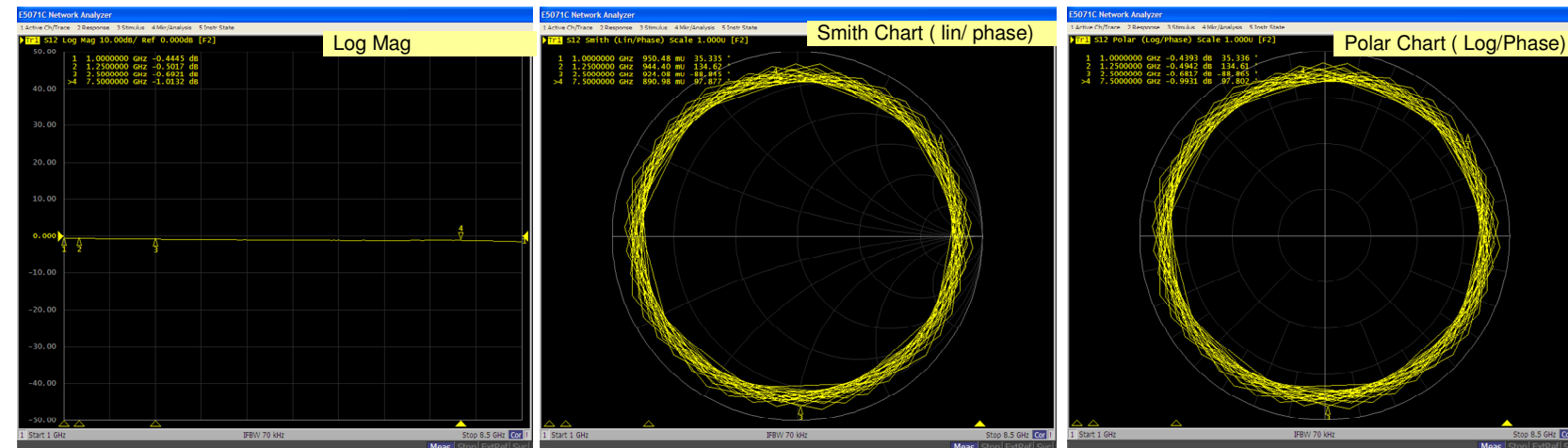


Test network : ZX000x0408 Plug and ZX000x0316 via the SMP connectors
 S1 in → S2 Out

S-Parameter, Insertion loss: ZX000x0316 exhibits unprecedented low insertion loss. The following data is obtained from actual ZX000x0316 RF DC to 20GHz SMA cable assembly using network analyzer. The S-Parameter is obtained using ZX000x0408-J and ZX00010316 combination of Plug and Socket (Receptacle) SMP cable assemblies.

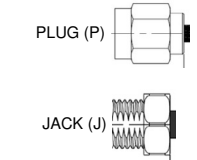
S-Parameter files: Please download the S-Parameter files, .s2p files for the ZX00010316 networks from here :
 ZX00010316 DC to 20GHz SMA to SMP RF High Speed coax cable assembly: [ZX000x0316-S-Parameter](#)

Test reports using network analyzer for 16" SMA to SMP RF high speed RG405 coax cable assembly, ZX00010316. Note: 0.2dB instrumentation error is counted due to S1 to S2 loopback test.



Ordering INFO:

Part Number
 ZX00020316 options
 | 16" 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.

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SPECIFIED DIMENSIONS ARE INCHES (MM). ROHS COMPLIANT	ASSEMBLY DRAWING
	ITEM: ZX000x0316
DESCRIPTION: DC to 20GHz RF High Speed SMA to SMP Jack coax cable assembly	
CHECKED: M. MARINA	DRAWN: SLAVIK
	REVISION: 1.0 SHEET: 1 OF 1

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