

**Product Name:** 50 Ohms RG316U SMA cable assembly – SMA to SMA connector using 50Ω RG316U coax cable

**Product Description:** 50 Ohms RG316U RG316 Coax cable assembly using SMA connector with

Insertion loss:  
 < -1.07dB @ 5.7GHz  
 < -0.708dB @ 2.9GHz  
 < -0.01dB @ 100MHz

Cable assembly is offered with **Jack to Jack** or **Plug to Plug** configuration

SMA mates with counterpart, please see ordering information.

**Application:** Complementing ZX20x series test boards , or any general testing needs requiring minimum insertion loss.

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

**Coax Cable information:**

Type: RG316U  
 Attenuation: (dB/m): < 4.25dB/meter @ 6GHz  
 Impedance: 50+-2 Ohms  
 Dielectric Constant (dk): 2.1  
 Current rating: 5A  
 Capacitance: 96pF  
 Maximum operating temperature: 200°C

**SMA Connector:**

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

**RG316U coax cable:**

RG316 RG316U is 50 Ohms impedance making it ideal for data transmission. RG316 RG316U has small diameter ( 0.098"), it is extremely flexible due to its stranded center conductor, and has PTFE outer jacket leads to an operating temperature of up to 200°C

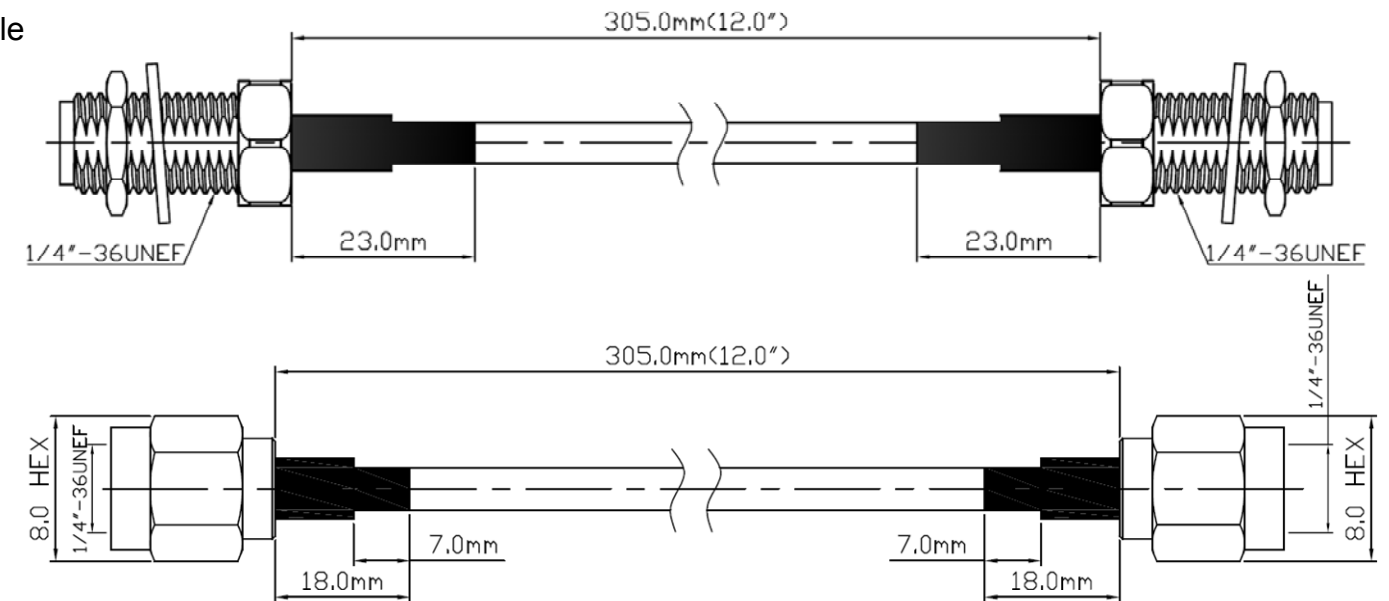
Common applications for RG316 RG316U include LAN/WAN, GPS, labs and any application requiring low insertion loss medium.

**RG316U RG316** coax cable performance at this length exceeds or meets RG178 CBT-2650F-1 RG174 RG58 CCA-25M MWC2550-01 RG405 RG402

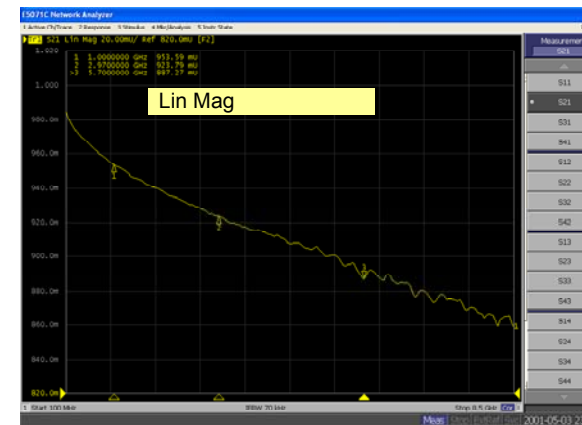
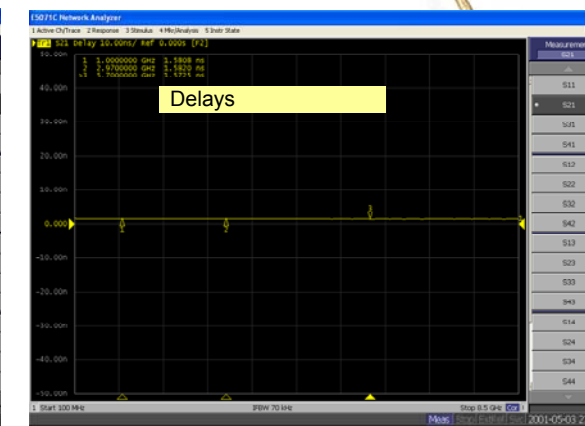
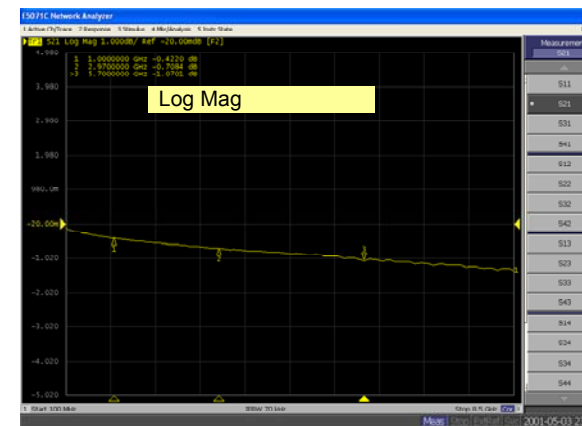
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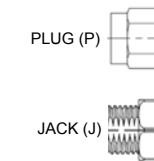


**Test reports using network analyzer**



**Ordering INFO:**

Part Number  
 ZX00SMA-SMA12-X options  
 J : SMA Jack ( Standard)  
 P : SMA Plug connector



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

<b>ZEBAX TECHNOLOGIES</b>		
SANTA CRUZ, CA U.S.A (831)222-0717		
WWW.ZEBAX.COM		
SPECIFIED DIMENSIONS ARE INCHES (M.M). ROHS COMPLIANT	ASSEMBLY DRAWING	
	ITEM: ZX00SMA-SMA12-X	
DESCRIPTION: SMA to SMA 50 Ohms RG316U RG316 cable assembly		
CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: 1.0
		SHEET: 1 OF 1