



00100A1G3A3XXX

Cable Assembly

6GHz Stainless SMA(M)–SMA(M)R/A for SS405 Cable Assembly

Features

- ✓ High Repeatability
- ✓ Low VSWR



Test Report

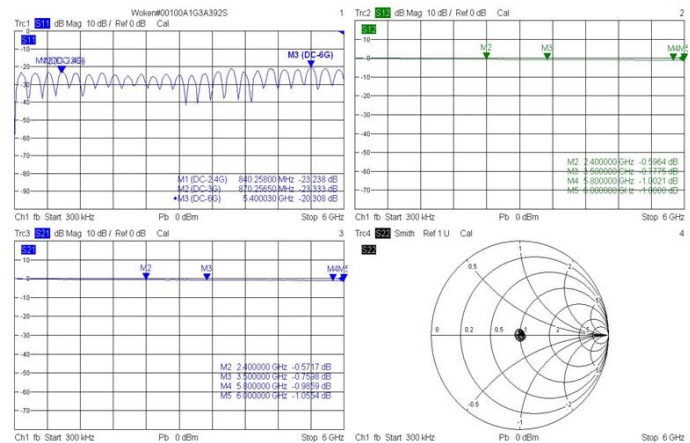
45cm

Electrical Specifications

Frequency	DC-6GHz
VSWR	1.3:1(Max.)
Impedance	50Ohm
Connection 1	SMA Male
Connection 2	SMA Male Right Angle

Material

Part	Material	Plated
1.SMA Connector		
Shell	Stainless Steel	
Center Pin	Brass	Gold
Insulator	Teflon	
2.Heat Shrink Tube		
		Black
3.Cable		
SS405 Coaxial Cable		Blue
4.Sleeve		
		Black
5.SMAConnector		
Shell	Stainless Steel	
Center Pin	Brass	Gold
Insulator	Teflon	
6.Heat Shrink Tube		
		Yellow

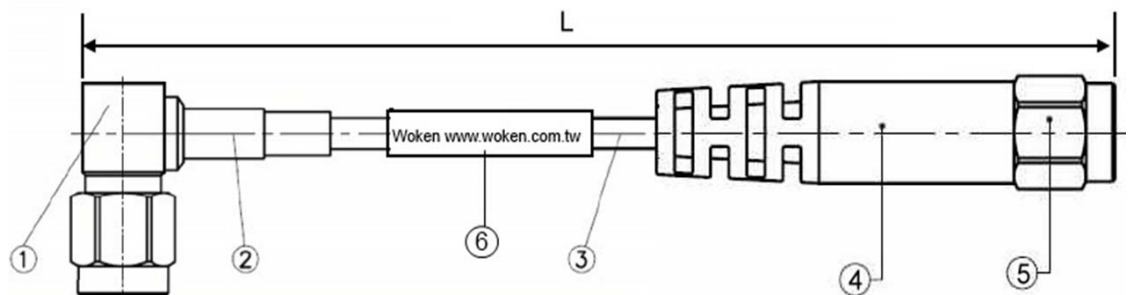


Mechanical

Durability	500 Cycles
------------	------------

Outling Drawing (Unit:mm)

DIMENSIONS	TOLERANCES
0.5~10mm	±0.2
11~100mm	±5.0
101~500mm	±10.0
501~1000mm	±15.0
1001~2000mm	±20.0
2000~5000mm	±50.0





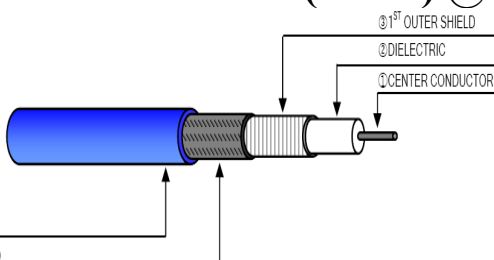
Wake up your further dream.



SS405 Spiral Shielding Coaxial Cable Physical Characteristics

Center Conductor	0.51±0.07mm SPCW
Dielectric Diameter	1.63±0.02mm PTFE
1 st Outer Shield	1.78±0.02mm SCT
2 nd Outer Shield	2.16±0.02mm SPC
Jacket	2.68±0.12mm FEP
Minimum Bend Radius	0.5"

SS405 Spiral Shielding Coaxial Cable Electrical Characteristics

Impedance	50 ± 2ohms	
Capacitance	95.1 pF/m (29.0 pF/FT)(nom.)	
Conductor Resistance	64.3ohms/MFT at 20°C (max.)	
Operating Frequency	18GHz	
Operating Temperature	-55~ 165°C	
Shielding Effect	<-100 dB	
Velocity of propagation	70%	
Weight	19.4kg/km	
Maximum Attenuation(dB/M) @ 	0.5GHz	0.39
	1GHz	0.72
	5GHz	1.67
	10GHz	2.52
	18GHz	3.60

整條 Assembly 之 Loss 為以下 3 項數值之加總

1. 接頭 Loss : 0.06 x √ 頻率 (2 端都有接頭則需將此數值 x2)
2. 組裝 Loss : 0.12 (2 端都有組裝則需將此數值 x2)
3. 線材 Loss : 依上述 Maximum Attenuation 換算需求長度之 Loss