



00100A1F5A1XXX

Cable Assembly

**18GHz Stainless SMA(M)–SMA(M)
for SS402 Cable Assembly/High
temp. shrink tube**

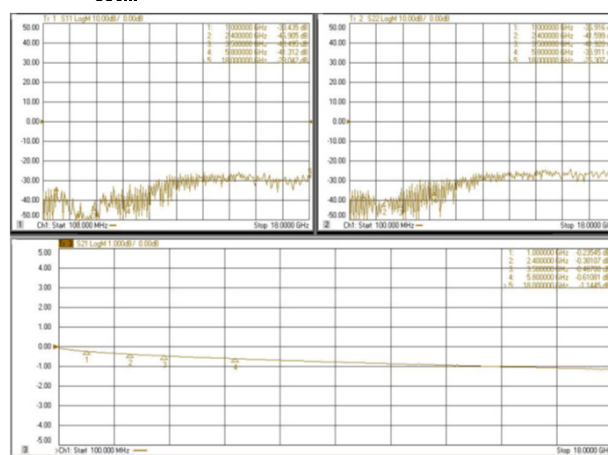
Features

- ✓ High Repeatability
- ✓ Low VSWR



Test Report

60cm



Electrical Specifications

Frequency	DC-18GHz
VSWR	1.3:1(Max.)
Impedance	50Ohm
Connection 1	SMA Male
Connection 2	SMA Male

Material

Part	Material	Plated
1.SMA Connector		
Body	Stainless Steel	
Center Pin	Brass	Gold
Insulator	Teflon	
2.Cable		
SS402 Coaxial Cable		Blue
3.High temp. shrink tube		
		Black

Environmental

Operating Temperature	Connector: -65°C~155°C
	High temp. shrink tube:-50~150°C
	Cable:-55°C~165°C

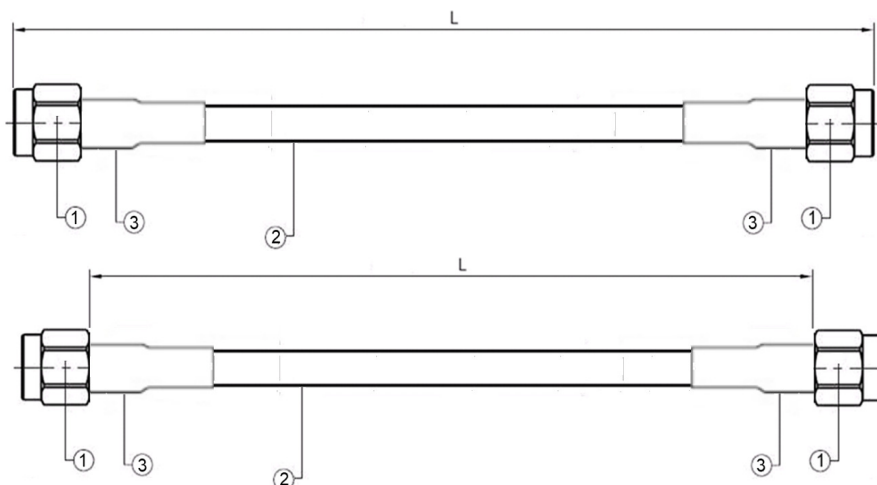
Mechanical

Durability	500 Cycles
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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

L:NC



All Specification Changed Without Notification.



Wake up your further dream.



SS402 Spiral Shielding Coaxial Cable Physical Characteristics

Center Conductor	0.925±0.012mm SPCW
Dielectric Diameter	2.97±0.03mm PTFE
Inner Shield	3.20±0.03mm SPC TAPE
Braid	3.58±0.05mm SPC 91% Coverage
Jacket	4.25±0.10mm FEP
Minimum Bend Radius Static	10mm

SS402 Spiral Shielding Coaxial Cable Electrical Characteristics

Impedance	50 ± 2ohms		
Capacitance	94 pF/m (nom.)		
Max. Operating Frequency	18GHz		
Shielding Effect	100 dB(Min.)		
Operating Temperature	-65~ 180°C		
Velocity of propagation	69.5%		
	Frequency	Typical Attenuation(dB/m)	Power (Watts CW)
	0.4GHz	0.26	515
	1GHz	0.39	315
	2GHz	0.56	218
	3GHz	0.75	176
	5GHz	0.96	136
	10GHz	1.48	96
	18GHz	2.16	62

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
4. 晃動測試公差: I/L +/-0.2dB