Rev:A

00100A1F1N1XXX

Cable Assembly

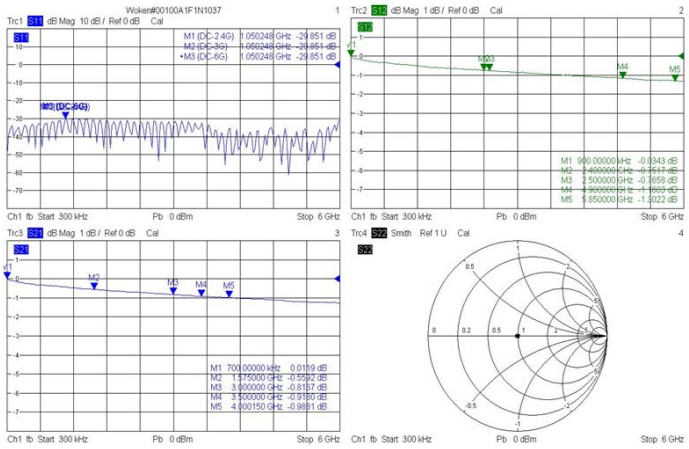
6GHz N(M)-SMA(M) for Semi-Flex RG402 Cable Assembly

Features

- High Repeatability
- Low VSWR

Test Report

180cm



Electrical Specifications

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

Material

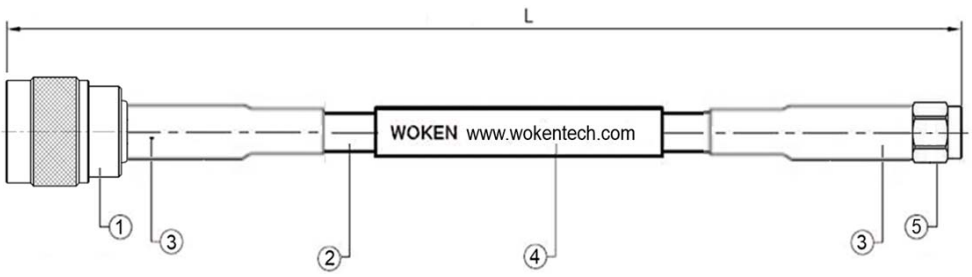
Part	Material	Plated
1.N Connector		
Body	Brass	Nickel
Center Pin	Brass	Gold
Insulator	Teflon	
3.Cable		
Semi-Flex RG402		Silver
3.Heat Shrink Tube		Black
4.Heat Shrink Tube		Yellow
5.SMA Connector		
Body	Brass	Gold
Center Pin	Brass	Gold
Insulator	Teflon	

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



Semi-flex RG402 Physical Characteristics

Center Conductor	0.94±0.01mm Silver Plated Copper
PTFE Dielectric Diameter	2.98±0.05mm
Outer Conductor OD	3.55±0.05mm Tin Overcoated Copper Wire Braiding
Minimum Bend Radius Static	8mm
Operating Temperature	-65~ 150℃

Semi-flex RG402 Electrical Characteristics

Cut Off Frequency	34GHz		
Max. Operating Frequency	18GHz		
Impedance	50 ± 2ohms		
Capacitance	98 pf/m		
Velocity	70%		
Shielding Effectiveness	100dB(Min.)		
Structure	Frequency	Maximum Attenuation(dB/m)	Average Power(W)
	0.5GHz	0.27	790
	1GHz	0.41	526
	2GHz	0.62	351
	3GHz	0.78	277
	5GHz	1.05	205
	10GHz	1.58	137
	18GHz	2.22	97

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