



00100M1G3P2XXX

Cable Assembly

6GHz MCX(P)–SMP(F) for SS405 Cable Assembly

Features

- ✓ High Repeatability
- ✓ Low VSWR



Test Report

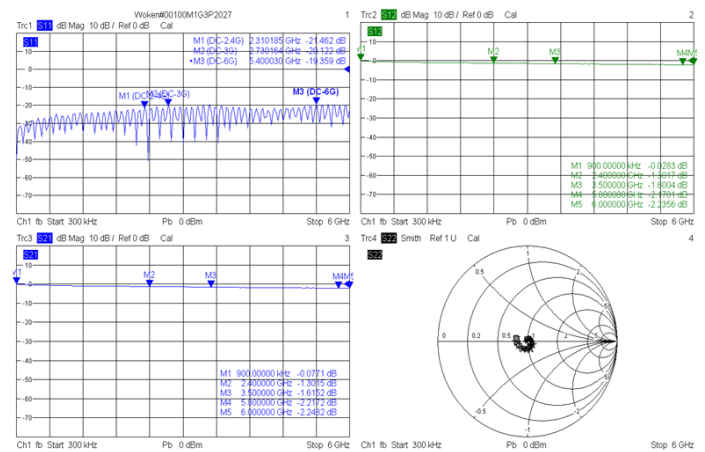
100cm:

Electrical Specifications

Frequency	DC-6GHz
VSWR	1.3:1(Max.)
Impedance	50Ohm
Connection 1	SMP Female
Connection 2	MCX Plug

Material

Part	Material	Plated
1.MCX Connector		
Body	Brass/Beryllium Copper	Gold
Center Pin	Brass	Gold
Insulator	Teflon	
2.SMP Connector		
Body	Brass/Beryllium Copper	Gold
Center Pin	Beryllium Copper	Gold
Insulator	Teflon	
3.Heat Shrink Tube		Black
4.Cable		
SS405 Coaxial Cable		Blue
5.Heat Shrink Tube		Yellow

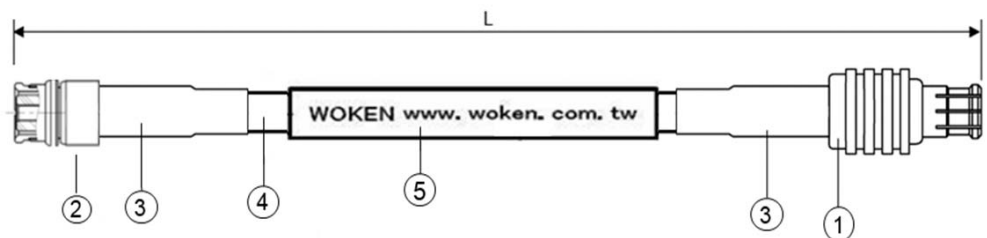


Mechanical

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





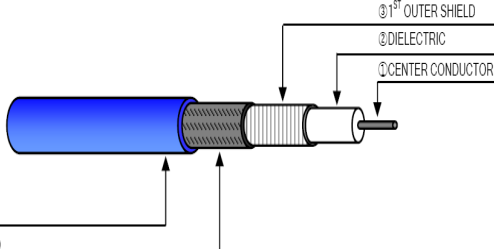
Wake up your further dream.



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