



00100A1F6A1XXX

Cable Assembly

**18GHz Enhanced SMA(M) – Enhanced SMA(M)
for SFL402 Cable Assembly/Adhesive
shrink tube D (4cm)**

Features

- High Repeatability
- Low VSWR



Test Report

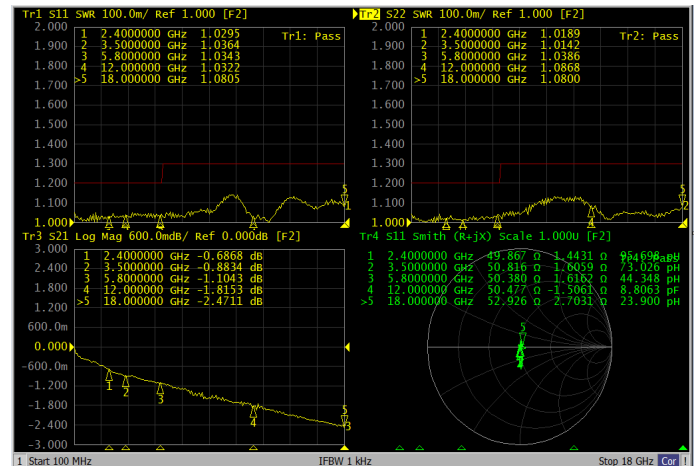
120cm

Electrical Specifications

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

Material

Part	Material	Plated
1. SMA Connector		
Body	Brass	Nickel
Center Pin	Brass	Gold
Insulator	Teflon	
2. Double adhesive shrink tube		Black
3. Cable		
SFL402 Coaxial Cable		Blue
4. Heat shrink tube		Yellow

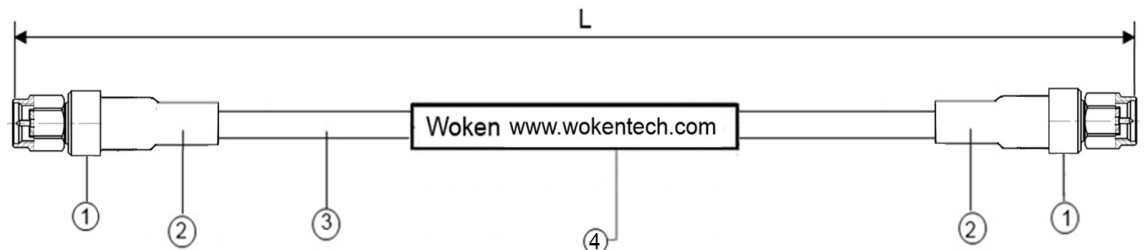


Mechanical

Durability	500 Cycles
拉力	17Kg

Outlining 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





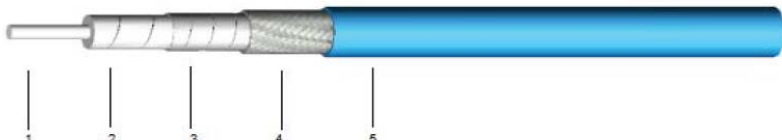
Wake up your further dream.



SFL402 Physical Characteristics

Center Conductor	19 X 0.203±0.01mm SSPC
Dielectric Diameter	2.99±0.05 mm PTFE
Outer Conductor	3.20±0.10mm Silver Plated Copper Foil
Outer Shield	3.65±0.05 mm Silver Plated Copper Shield 98% Coverage
Jacket	4.60±0.10 mm Blue PUR
Minimum Bend Radius	12.7mm

SFL402 Electrical Characteristics

Impedance	50 ohms	
Capacitance	96.1 pF/m(nom.)	
Operating Temperature	-55~ 85°C	
Velocity of propagation	70%	
Shielding Effectiveness	100dB Min.	
Max. Operating Frequency	40GHz	
Maximum Attenuation(dB/M) @ 	Freq.	Max.
	0.5GHz	0.38
	1GHz	0.50
	3GHz	0.90
	6GHz	1.22
	8GHz	1.38
	10GHz	1.69
	12GHz	1.95
	18GHz	2.23
	26.5GHz	3.14
	35GHz	3.77
	40GHz	4.29

整條 Assembly 之 Loss 為以下 3 項數值之加總

1. 接頭 Loss : $0.06 \times \sqrt{\text{頻率}}$ (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