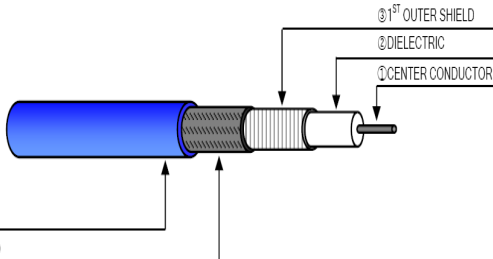




Multi-Flex .085 Cable Physical Characteristics

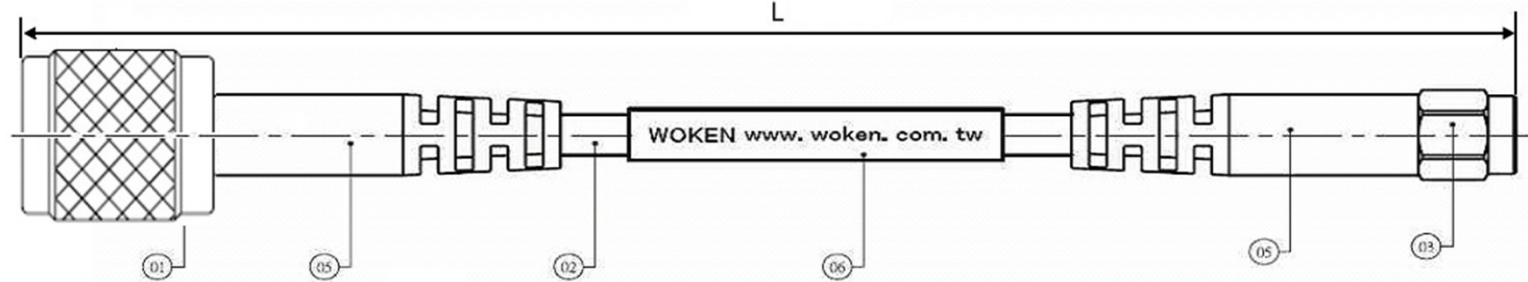
Center Conductor	0.51±0.07mm SPCW
Dielectric Diameter	1.63±0.02mm PTFE
1 st Outer Shield	1.78±0.02mm SCT
2 nd Outer Shield	2.16±0.02mm SPC
Jacket	2.68±0.12mm FEP

Multi-Flex .085 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 $\sqrt{\text{頻率}}$ (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



Note.

Material Specification

1.SMA Connector:
Center Pin:Brass/Gold
Insulator:Teflon
Body:Brass/Gold

3.N Connector:
Center Pin:Brass/Gold
Insulator:Teflon
Body:Brass/Nickel

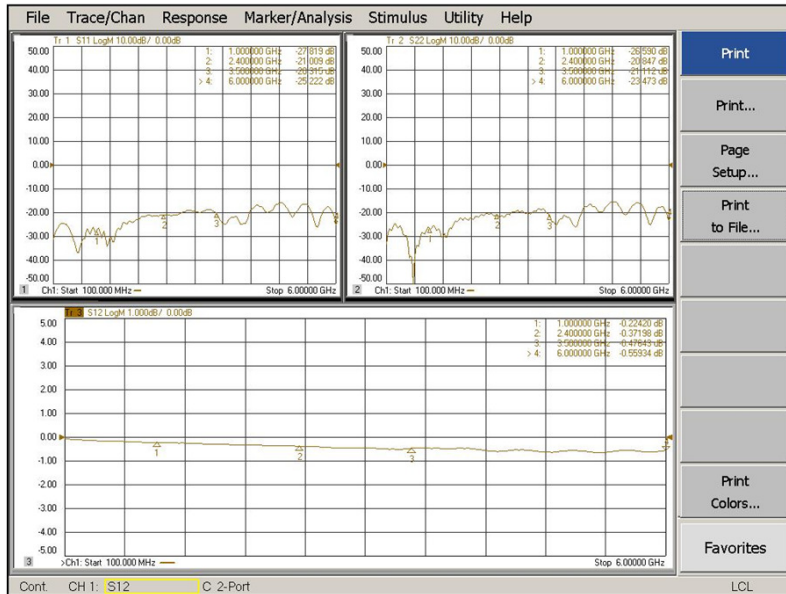
2.Cable:
Multi-Flex .085 Cable(Harbour SS405 Equivalent)

5.Sleeve
Color:Black

6.Heat Shrink Tube:
Color:Yellow



20cm Test Report



General Tolerance					Woken Technology Inc.	
0.5~10mm		±0.2			CODE	DWG TITLE
11~100mm		±5.0				
101~500mm		±10.0				
501~1000mm		±15.0				
1001~2000mm		±20.0				
2000~5000mm		±50.0				
UNLESS OTHERWISE SPECIFIED			SIZE A4	REV A	DWG NO.	
THIRD ANGLE PROJECTION	DRAWN	Terence			00100A1G3N1XX7	
	ENGR	Jack				
	APVD	James				