



Semi-flex RG405 Physical Characteristics

Center Conductor	0.52±0.01mm Silver Plated Copper Wire
Dielectric Diameter	1.68±0.05mm PTFE
Outer Conductor OD	2.15±0.05mm Tin Copper Wire Braid + Tin Soaked(Coverage Ratio:100%)
Minimum Bend Radius Static	6mm
Minimum Bend Radius Repeated	20mm
Operating Temperature	-55~ 125°C

Semi-flex RG405 Electrical Characteristics

Impedance	50 ± 2ohms		
Capacitance	95±2 pf/m		
Shielding Effectiveness	>100dB@DC-18GHz		
Velocity	70%		
Max. Operating Frequency	96GHz		
Structure	Frequency	Maximum Attenuation(dB/m)	Average Power(W)
	0.5GHz	0.45	173.5
	1GHz	0.64	121.5
	5GHz	1.51	52.2
	10GHz	2.22	35.8
	20GHz	3.29	24.3

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

Specifications:



Material:

1.SMA Connector:

Center Pin:Phosphor Bronze/Gold

Insulator:Teflon

Body:Brass/Gold

2.Cable:

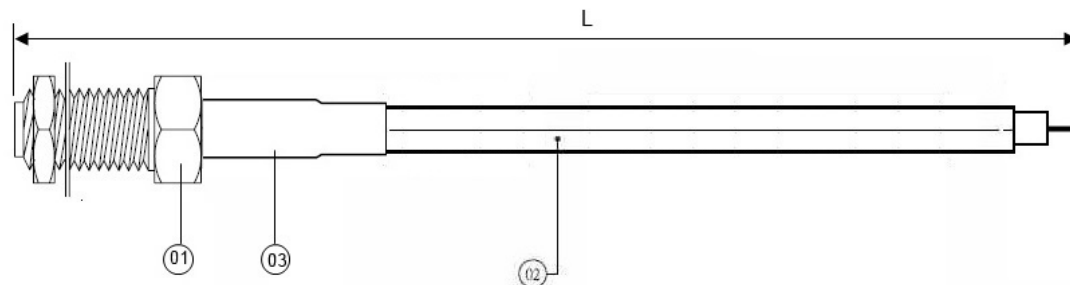
Semi-Flex RG405 Coaxial Cable

3.Heat Shrink Tube:

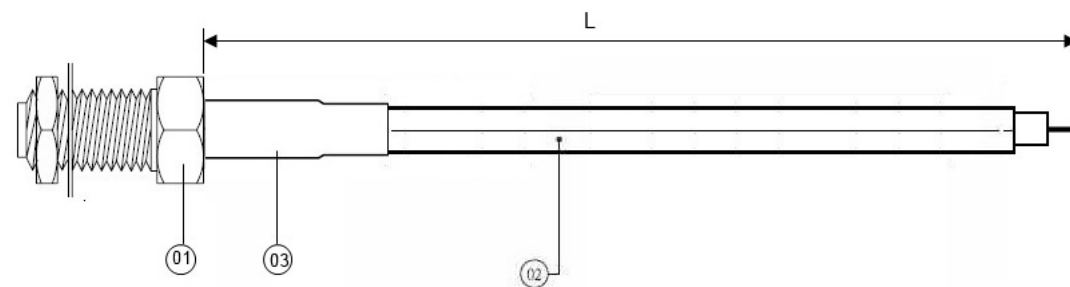
Color:Black

Stripped Size:Customized

長度含接頭:



長度不含接頭:



General Tolerance				 Woken Technology Inc.	
0.5~10mm			±0.2	CODE	DWG TITLE
11~100mm			±5.0		
101~500mm			±10.0	SIZE	SMA(F) for Semi-Flex RG405 Cable Assembly
501~1000mm			±15.0		
1001~2000mm			±20.0		
2000~5000mm			±50.0		
UNLESS OTHERWISE SPECIFIED				REV	DWG NO.
THIRD ANGLE PROJECTION		DRAWN	Terence		
		ENGR	Jack		
		APVD	James	A	00100A2G100XXX