



Semi-flex RG402 Physical Characteristics

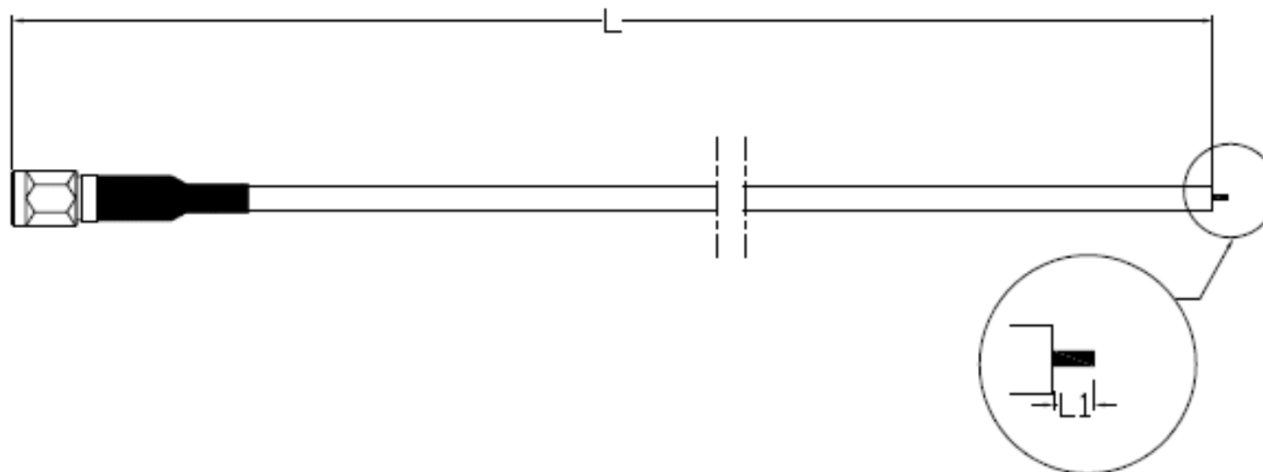
Center Conductor	0.92mm SCW
PTFE Dielectric Diameter	3.0mm
Outer Conductor OD	3.6mm(0.141")
Minimum Recommended Bend Radius	0.43"
Operating Temperature	-40~ 165°C
Weight	44kg/km

Semi-flex RG402 Electrical Characteristics

Impedance	50 ± 2ohms	
Capacitance	94 pf/m	
Max. Operating Voltage	2500V RMS	
Shielding Effectiveness	Typically < -130 dB/m	
Maximum Attenuation(dB/m) @	2GHz	0.65
	4GHz	0.9
	6GHz	1.2
	8GHz	1.35
	10GHz	1.55
	12GHz	1.75
	14GHz	1.9
	16GHz	2.05
	18GHz	2.2
Max Frequency	20.0GHz	

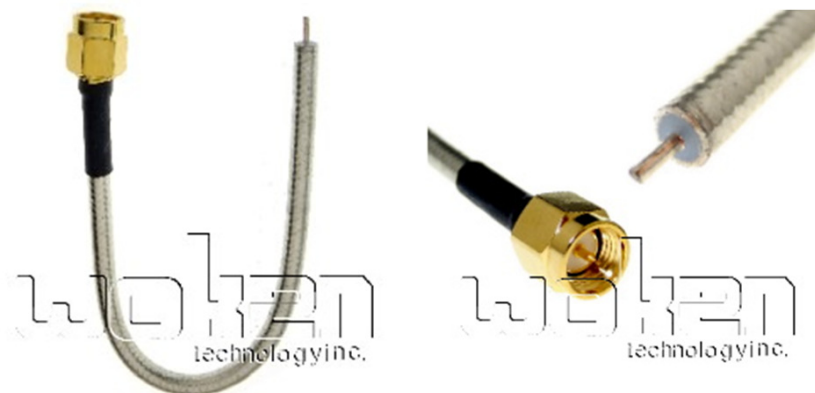
整條 Assembly 之 Loss 為以下 3 項數值之加總

- 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



Note.

SMA Connector:
Center Pin:Brass/Gold
Insulator:Teflon
Body:Brass/Gold
Cable:
Semi-Flex .141 (RG402) Cable
L:135±5mm
L1:3.5mm



UNLESS OTHERWISE SPECIFIED ALL DIMENCIONS ARE IN mm AND TOLERANCES ARE:				 Woken Technology Inc.	
INTEGRAL DIMENSIONS ± TOLINT		ANGULAR DIMENSIONS ±TOLANG		CODE	DWG TITLE
x	±0.38	.xx	±0.15		SMA(M) for 13.5cm
.x	±0.25	.xx x	±0.05		Semi-Flex RG402 Cable Assembly
THIRD ANGLE PROJECTION		DRAWN	Terence	08/03/10'	DWG NO.
		ENGR	Jack	08/03/10'	
		APVD	James	08/03/10'	00100A1F10098C