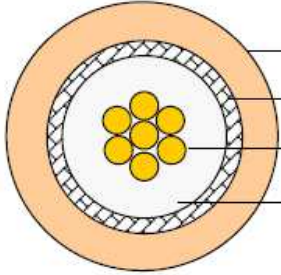




RG178 Cable Physical Characteristics

Center Conductor	Construction Size	0.102±0.003mm
	Standard Diameter	0.31mm Silver Coated Copper Clad Steel
Insulation	Average Thickness	0.28mm
	Diameter	0.86±0.03mm FEP
Braid Shield	Construction	16/3/0.10 ±0.003 mm
	Coverage	95%
	Diameter	1.3±0.04mm Silver Coated Copper
Jacket	Average Thickness	0.25mm
	Overall Diameter	1.8±0.06mm FEP(Brown)

RG178 Cable Electrical Characteristics

Impedance	50 ± 3ohms	
Capacitance	95.8±3pF/m	
Conductor Resistance	838 ohms/KM at 20°C (max.)	
Velocity of propagation	69.5%	
Maximum Attenuation(dB/M) @ 	1GHz	1.71
	1.8GHz	2.69
	2.4GHz	3.12
	3GHz	3.58
	5.2GHz	4.72
	6GHz	5.18

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:

Electrical:

Frequency:DC-3GHz

Material:

1.SMA Connector:

Center Pin:Beryllium Copper/Gold

Insulator:Teflon

Body:Brass/Gold

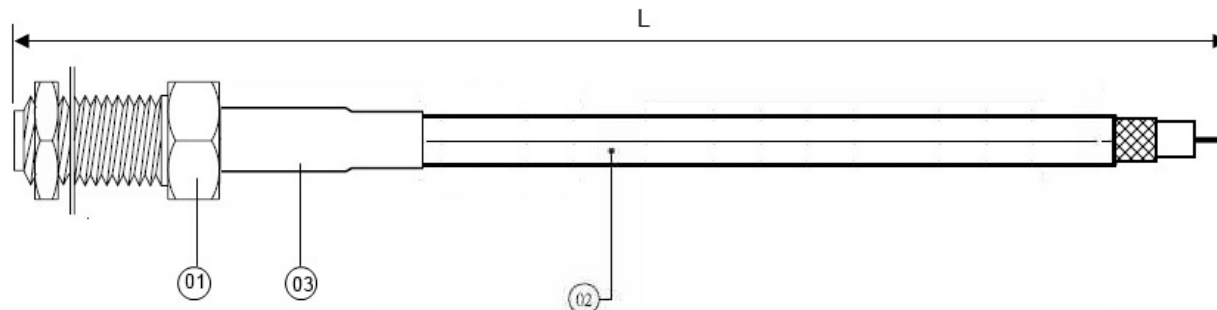
2.Cable:

RG178 Coaxial Cable

3.Heat Shrink Tube:

Color:Black

Stripped Size:Customized



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		SIZE A4	SMA(F) Bulkhead for RG178 Cable Assembly
UNLESS OTHERWISE SPECIFIED					
THIRD ANGLE PROJECTION		DRAWN	Terence	08/03/10'	DWG NO. 00100A2C100XXX
		ENGR	Jack	08/03/10'	
		APVD	James	08/03/10'	