00100D1A1X1XXX

Cable Assembly

3GHz BNC(M)-MMCX(P) for RG316 Cable Assembly

Features

- High Repeatability
- Low VSWR

Electrical Specifications

Frequency	DC-3GHz
VSWR	1.5:1(Max.)
Impedance	50Ohm
Connection 1	BNC Male
Connection 2	MMCX Plug

Material

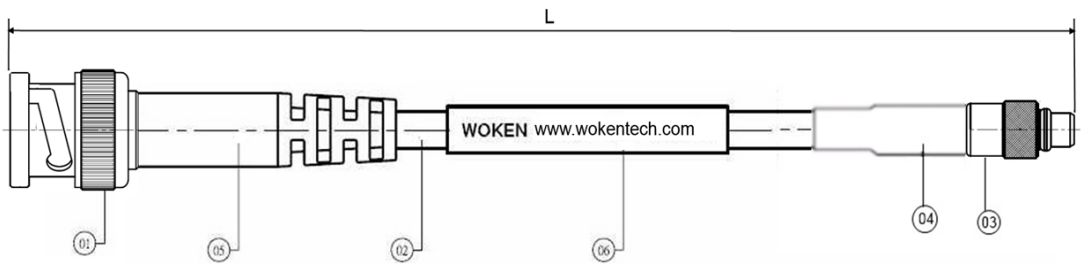
Part	Material	Plated
1.BNC Connector		
Body	Brass	Nickel
Center Pin	Brass	Gold
Insulator	Teflon	
2.Cable		
RG316 Coaxial Cable		Brown
3.MMCX Connector		
Body	Brass	Gold
Center Pin	Brass	Gold
Insulator	Teflon	
4.Adhesive shrink tube		Black
5.Rigid Strain Relief		Black
6.Heat Shrink Tube		Yellow

Mechanical

Durability	500 Cycles

Outling 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

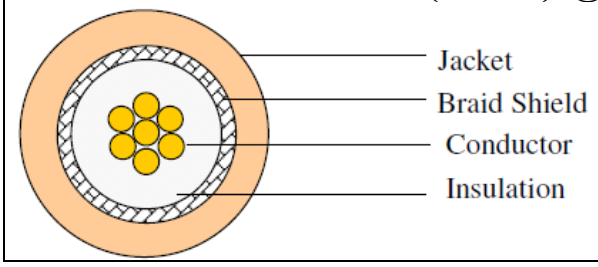


RG316 Cable Physical Characteristics

Center Conductor	Construction Size	0.175mm
	Standard Diameter	0.53mm Silver Coated Copper Clad Steel
Insulation	Average Thickness	0.51mm
	Diameter	1.53±0.03mm FEP
Braid Shield	Construction	16/5/0.10 mm
	Coverage	95%
	Diameter	1.98±0.05mm Silver Coated Copper
Jacket	Average Thickness	0.30mm
	Overall Diameter	2.53±0.10mm FEP(Brown)
Min. Bending Radius	12.7mm	

RG316 Cable Electrical Characteristics

Impedance	50 ± 3ohms	
Capacitance	95.8±3pF/m	
Conductor Resistance	302 ohms/KM at 20℃(max.)	
Operating Temperature	-60-+200℃	
Velocity of propagation	69%	
Max Frequency	3GHz	
Maximum Attenuation(dB/M) @	1GHz	1.25
	1.8GHz	1.51
	2.4GHz	1.71
	3GHz	1.92



整條 Assembly 之 Loss 為以下 3 項數值之加總

1. 接頭 Loss：0.06 x √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