



00100D1B2D1XXX

Cable Assembly

2GHz BNC(M)–BNC(M) for RG223 Cable Assembly

Features

- ✓ High Repeatability
- ✓ Low VSWR

Electrical Specifications

Frequency	DC-2GHz
VSWR	1.3:1:(Max.)
Impedance	50Ohm
Connection 1	BNC Male
Connection 2	BNC Male

Material

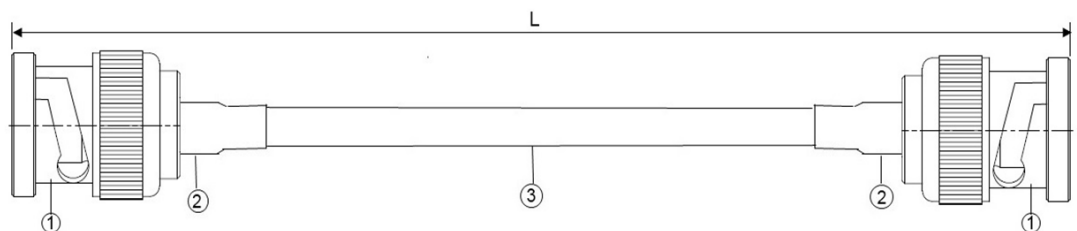
Part	Material	Plated
1.BNC Connector		
Body	Brass	Nickel
Center Pin	Brass	Gold
Insulator	Teflon	
2.Adhesive shrink tube		Black
3.Cable		
RG223 Coaxial Cable		Black

Mechanical

Durability	500 Cycles
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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





Wake up your further dream.



RG223 Cable Physical Characteristics

Inner Conductor	0.9mm Silver Plated Copper
Dielectric Diameter	2.95mm PE
1 st Braid	Silver Plated Copper Wire Braid
2 nd Braid	Silver Plated Copper Wire Braid
Jacket	5.4mm PVC
Min. Bending Radius	Without Load:5 x outer diameter
	With Load:10 x outer diameter

RG223 Cable Electrical Characteristics

Max. Operating Frequency	2GHz	
Impedance	50 ±2ohms	
Capacitance	100 pF/m (nom.)	
Operating Temperature	-40~85℃	
Installation Temperature	-15~55℃	
Velocity of propagation	66%	
Maximum Attenuation(dB/m) @20℃ 	Freq.	Attenuation (dB/M)
	60MHz	0.11
	80MHz	0.12
	200MHz	0.20
	400MHz	0.29
	1GHz	0.50
	1.5GHz	0.64
	2GHz	0.74

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