

# RG400, Low loss Cable Assembly

Cable Assembly, RG400, N female to SMA male 1.0Meter

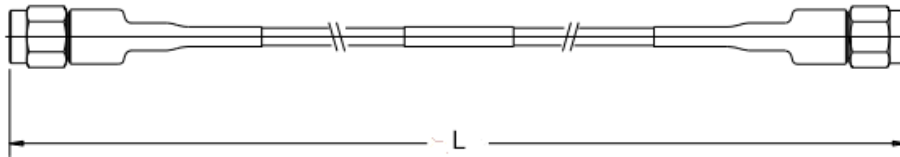
P.N. : B-24NF.SM00.2

## Cable Structure



Structure	Diameter (mm)	Material
1. Center Conductor	1.00 +/- 0.02 mm	Silver Plated Copper clad steel Wire
2. Dielectric	2.95 +/- 0.15 mm	Poly TetraFluorEthylene
3. 1 <sup>st</sup> Outer shield	3.60 +/- 0.15 mm	Silver Plated Copper Tape
4. 2 <sup>nd</sup> Outer shield	4.20 +/- 0.15 mm	Silver Plated Copper
5. Jacket	4.95 +/- 0.20 mm	Fluorinated Ethylene Propylene

## Cable Assembly



- Length is measured from one connector end to the other connector end as shown above. For RA connectors, use the pin center-line.

## Cable Assembly Configuration

Connector (Right)	N female, straight
Body/Coupling Nut/Contact Material	Nickel plated Brass contacts
Connector (Left)	SMA male, straight
Body/Coupling Nut/Contact Material	Gold plated Brass contacts
Cable Type	RG400
Cable Assembly method	Crimping type

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## Electrical Specifications

ELECTRICAL DATA		
ITEM	SPECIFICATION	
Capacitance	32 pF/ft (nom.)	
Characteristic Impedance	50 ± 2Ω	
Conductor resistance	Max. 0.91Ω/100ft (20°C)	
Operating frequency	Max. 12.4GHz	
Operating Temp	-55°C ~ +165°C	
Test Voltage	3000 Vrms (1Min)	
Capacitance	Max. 32 pF/ft	
Velocity of propagation	69.5%	
RoHS Compliance	YES	
Weight	64.0 kg/km	
Maximum Attenuation (Cable Attenuation only)	0.09 dB/M ( 2.8 dB/100ft )	50 MHz
	0.32 dB/M ( 9.8 dB/100ft )	500 MHz
	0.48 dB/M ( 14.7 dB/100ft )	1,000 MHz
	0.95 dB/M (29.0 dB/100ft )	3,000 MHz
	1.33 dB/M ( 40.6 dB/100ft )	5,000 MHz

Cable assembly Attenuation for the N connector at both end will be added 1.0dB at total

## Photo



- Connector can be assembled with others (such as BNC, TNC, SMB,)
- Connector material can be changed to stainless steel passivated or brass nickel plated.