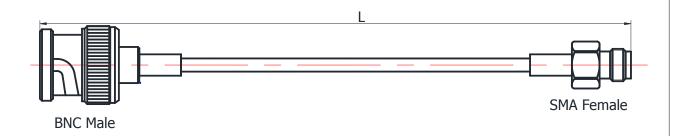
#### CABLE ASSEMBLY DATASHEET



# RG316, FLEXIBLE CABLE, BNC(MALE)- SMA(FEMALE)

## **GAR3-BNCMSMF-XXX**



\* Label and Shrinking tube design depend on customer's request.

Configuration			
Connector 1 Type	BNC Male		
Connector 1 Body Style	Straight		
Body Material and Plating	Brass Nickel Plated		
Connector 1 Mount Method	None		
Connector 2 Type	SMA Female		
Connector 2 Body Style	Straight		
Body Material and Plating	Brass Gold Plated		
Connector 2 Mount Method	None		
Cable Type	RG316		
Impedance Electrical Specificat	ions 50 Ω		
Frequency	DC to 3 GHz		
Return Loss/VSWR	1.35 to 3 GHz		
Phase Stability vs. Flexure	N/A		
Amplitude Stability	N/A		
Shielding Effectiveness	<-80dB @ 1GHz		
Phase Matching	N/A		
Signal Delay	N/A		
Power Handling	88watt @ 1.5GHz at sea level,VSWR1.0		
<b>Environmental Data</b>			
Temperature Range	-55°C to +165°C		
2002/95/EC(RoHS)	Compliant		

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#### CABLE ASSEMBLY DATASHEET



RG316, FLEXIBLE CABLE, BNC(MALE)- SMA(FEMALE)

### **GAR3-BNCMSMF-XXX**

Cable Cresifications			
Cable Specifications			
Center Conductor	Silver plated copper		
Dielectric	Solid extruded PTFE		
Jacket	FEP		
Capacitance(pF/m)	94		
Velocity of propagation(%)	70		
Min. bending radius(mm)	15		
Jacket Diameter(mm)	2.54		

## **Part Number List**

Part Number	Longth [mm]	Insertion Loss ≤(dB)		
	Length [mm]	1GHz	3GHz	
GAR3-BNCMSMF-5000	5000±20	4.65	7.85	
GAR3-BNCMSMF-2000	2000±10	1.95	3.25	
GAR3-BNCMSMF-1000	1000±10	1.05	1.75	
GAR3-BNCMSMF-500	500±10	0.65	1.04	

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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