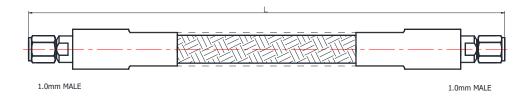
### CABLE ASSEMBLY DATASHEET



047 SERIES, FLEXIBLE CABLE, 1.0MM(MALE)- 1.0MM(MALE)

# GAB5-10M10M-XXXA3



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

6 6					
Configuration					
Connector 1 Type	1.0mm Male				
Connector 1 Body Style	Straight				
Body Material and Plating	Passivated Staindless Steel				
Connector 1 Mount Method	None				
Connector 2 Type	1.0mm Male				
Connector 2 Body Style	Straight				
Body Material and Plating	Passivated Staindless Steel				
Connector 2 Mount Method	None				
Cable Type	047 Series				
Electrical Specifications					
Impedance	50 Ω				
Frequency	DC to 110 GHz				
Return Loss/VSWR	1.45 to 110 GHz				
Phase Stability vs. Flexure	N/A				
Amplitude Stability	N/A				
Shielding Effectiveness	<-100dB @ 1GHz				
Phase Matching	On Request				
Signal Delay	On Request				
Power Handling	15Watt @ 110GHz at Sea Level,VSWR1.0				
<b>Environmental Data</b>					
Temperature Range	-55°C to +85°C				
RoHS	Compliant				

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#### CABLE ASSEMBLY DATASHEET



047 SERIES, FLEXIBLE CABLE, 1.0MM(MALE)- 1.0MM(MALE)

## GAB5-10M10M-XXXA3

Cable Specifications					
Center Conductor	Silver plated copper				
Dielectric	Low Density PTFE				
Jacket	PFA				
Velocity of propagation(%)	82				
Armor Specifications					
Armor Type	Stainless steel wire covered by Tin plated copper wire and nomex braid				
Min. bending radius(mm) Static	20				
Min. bending radius(mm) Dynamic	40				
Diameter(mm)	3.84				

## **Part Number List**

Part Number	Length [mm]	Insertion Loss ≤(dB)			
Part Number		18GHz	40GHz	67GHz	110GHz
GAB5-10M10M-2000A3	2000±20	10.23	15.55	20.54	27.54
GAB5-10M10M-1500A3	1500±15	7.74	11.75	15.53	20.97
GAB5-10M10M-1200A3	1200±12	6.24	9.47	12.52	17.03
GAB5-10M10M-1000A3	1000±10	5.24	7.95	10.51	14.49
GAB5-10M10M-600A3	600±10	3.24	4.91	6.49	9.14
GAB5-10M10M-500A3	500±10	2.75	4.15	5.49	7.83

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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