



1.0mm MALE

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

### 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 $\Omega$
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

### Environmental Data

Temperature Range	-55°C to +85°C
RoHS	Compliant

**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)			
		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

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