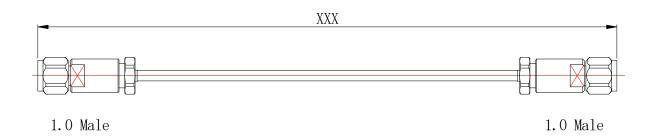
## CABLE ASSEMBLY DATASHEET



# U12 SERIES, FLEXIBLE CABLE, 1.0MM(MALE)-1.0MM(MALE)

## **GAU12-10M10M-XXX**



\* 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	U12 Series				
<b>Electrical Specificati</b>	ons				
Impedance	50 Ω				
Frequency	DC to 110 GHz				
Return Loss/VSWR	1.44 to 110 GHz				
Phase Stability vs. Flexure	N/A				
Amplitude Stability	N/A				
Shielding Effectiveness	<-90dB @ 1GHz				
Phase Matching	On request				
Signal Delay	On request				
<b>Environmental Data</b>					
Temperature Range	-40°C to +125°C				
2002/95/EC(RoHS)	Compliant				

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#### CABLE ASSEMBLY DATASHEET



U12 SERIES, FLEXIBLE CABLE, 1.0MM(MALE)-1.0MM(MALE)

## GAU12-10M10M-XXX

Cable Specifications					
Center Conductor Silver plated copper					
Dielectric	ePTFE				
Jacket	FEP				
Velocity of propagation(%)	80				
Min. bending radius(mm)	10				
Jacket Diameter(mm)	1.85				

## **Part Number List**

Part Number	Length [mm]	Insertion Loss ≤(dB)					
		6GHz	18GHz	26.5GHz	40GHz	67GHz	110GHz
GAU12-10M10M-1000	1000±10	2.96	5.21	6.38	7.93	10.44	13.67
GAU12-10M10M-800	800±10	2.39	4.21	5.15	6.40	8.44	11.04
GAU12-10M10M-600	600±5	1.82	3.21	3.93	4.88	6.43	8.42
GAU12-10M10M-400	400±5	1.26	2.21	2.71	3.36	4.43	5.79
GAU12-10M10M-200	200±5	0.69	1.22	1.49	1.84	2.42	3.16

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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