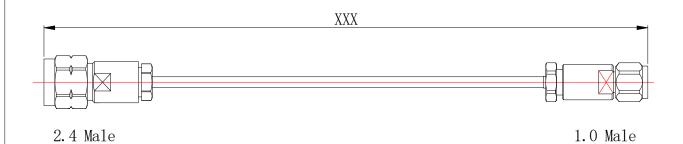
## CABLE ASSEMBLY DATASHEET



# U12 SERIES, FLEXIBLE CABLE, 2.4MM(MALE)-1.0MM(MALE)

# GAU12-24M10M-XXX



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

Connector 1 Type	2.4mm 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				
Fl4!   C!£!4!					
Electrical Specificati					
Impedance	50 Ω				
Impedance Frequency	50 Ω DC to 50 GHz				
Impedance Frequency Return Loss/VSWR	50 Ω DC to 50 GHz 1.35 to 50 GHz				
Impedance Frequency Return Loss/VSWR Phase Stability vs. Flexure	50 Ω DC to 50 GHz 1.35 to 50 GHz N/A				
Impedance Frequency Return Loss/VSWR Phase Stability vs. Flexure Amplitude Stability	50 Ω DC to 50 GHz 1.35 to 50 GHz N/A N/A				
Impedance Frequency Return Loss/VSWR Phase Stability vs. Flexure Amplitude Stability Shielding Effectiveness	50 Ω  DC to 50 GHz  1.35 to 50 GHz  N/A  N/A  <-90dB @ 1GHz				
Impedance Frequency Return Loss/VSWR Phase Stability vs. Flexure Amplitude Stability	50 Ω  DC to 50 GHz  1.35 to 50 GHz  N/A  N/A  <-90dB @ 1GHz  On request				
Impedance Frequency Return Loss/VSWR Phase Stability vs. Flexure Amplitude Stability Shielding Effectiveness Phase Matching	50 Ω  DC to 50 GHz  1.35 to 50 GHz  N/A  N/A  <-90dB @ 1GHz				
Impedance Frequency Return Loss/VSWR Phase Stability vs. Flexure Amplitude Stability Shielding Effectiveness Phase Matching Signal Delay	50 Ω  DC to 50 GHz  1.35 to 50 GHz  N/A  N/A  <-90dB @ 1GHz  On request				

#### CABLE ASSEMBLY DATASHEET



U12 SERIES, FLEXIBLE CABLE, 2.4MM(MALE)-1.0MM(MALE)

### **GAU12-24M10M-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	Insertion Loss ≤(dB)				
Part Number	[mm]	6GHz	18GHz	26.5GHz	40GHz	50GHz
GAU12-24M10M-1000	1000±10	2.96	5.21	6.38	7.93	8.92
GAU12-24M10M-800	800±10	2.39	4.21	5.15	6.40	7.21
GAU12-24M10M-600	600±5	1.82	3.21	3.93	4.88	5.50
GAU12-24M10M-400	400±5	1.26	2.21	2.71	3.36	3.78
GAU12-24M10M-200	200±5	0.69	1.22	1.49	1.84	2.07

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.

Tel.: +86 10 86484190

Fax: +86 10 86484190-0

email: gwave@gwave-tech.com

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