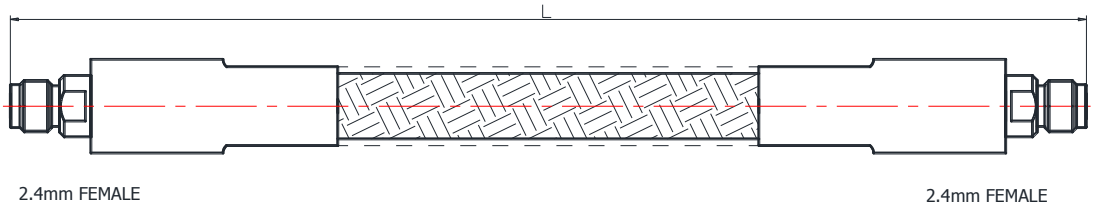
CABLE ASSEMBLY DATASHEET	Gwave
147A SERIES, FLEXIBLE CABLE, 2.4MM(FEMALE)- 2.4MM(FEMALE)	**GAU1-24F24F-XXXA3**



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

Configuration

Connector 1 Type	2.4mm Female
Connector 1 Body Style	Straight
Body Material and Plating	Passivated Staindless Steel
Connector 1 Mount Method	None
Connector 2 Type	2.4mm Female
Connector 2 Body Style	Straight
Body Material and Plating	Passivated Staindless Steel
Connector 2 Mount Method	None
Cable Type	147A Series

Electrical Specifications

Impedance	50 Ω
Frequency	DC to 40 GHz
Return Loss/VSWR	1.44 to 40 GHz
Phase Stability vs. Flexure	5°@ 18GHz
Amplitude Stability	N/A
Shielding Effectiveness	<-100dB @ 1GHz
Phase Matching	On Request
Signal Delay	On Request
Power Handling	220Watt @ 5GHz at Sea Level,VSWR1.0

Environmental Data

Temperature Range	-40°C to +80°C
2002/95/EC(RoHS)	Compliant

Cable Specifications

Center Conductor	Silver plated copper
Dielectric	Low Density PTFE
Jacket	FEP
Capacitance(pF/m)	86
Velocity of propagation(%)	77
Min. bending radius(mm)	6.35
Jacket Diameter(mm)	3.73

Armor Specifications

Armor Type	Stainless steel wire covered by Tin plated copper wire and nomex braid
Min. bending radius(mm)	25.4
Diameter(mm)	7.5

Part Number List

Part Number	Length [mm]	Insertion Loss ≤(dB)			
		10GHz	18GHz	26.5GHz	40GHz
GAU1-24F24F-20000A3	20000±100	25.98	36.06	44.96	57.18
GAU1-24F24F-10000A3	10000±100	13.2	18.3	22.8	28.9
GAU1-24F24F-8000A3	8000±30	10.56	14.65	18.3	23.2
GAU1-24F24F-3000A3	3000±30	4.14	5.75	7.14	9.06
GAU1-24F24F-2500A3	2500±20	3.49	4.85	6.03	7.65
GAU1-24F24F-2000A3	2000±20	2.85	3.95	4.92	6.23
GAU1-24F24F-1500A3	1500±15	2.22	3.06	3.81	4.82
GAU1-24F24F-1200A3	1200±12	1.83	2.54	3.14	3.97
GAU1-24F24F-1000A3	1000±10	1.57	2.17	2.69	3.41
GAU1-24F24F-600A3	600±10	1.06	1.46	1.82	2.27
GAU1-24F24F-500A3	500±10	0.93	1.28	1.58	1.99