

U12, FLEXIBLE CABLE,
GPO(FEMALE)- GPO(FEMALE)

GAU12-GPFGPFF-XXX



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

Configuration

Connector 1 Type	GPO(SMP) Female
Connector 1 Body Style	Straight
Body Material and Plating	CuBe gold plated
Connector 1 Mount Method	None
Connector 2 Type	GPO(SMP) Female
Connector 2 Body Style	Straight
Body Material and Plating	CuBe gold plated
Connector 2 Mount Method	2 Hole Flange
Cable Type	U12

Electrical Specifications

Impedance	50 Ω
Frequency	DC to 40 GHz
Return Loss/VSWR	10dB
Phase Stability vs. Flexure	N/A
Amplitude Stability	N/A
Shielding Effectiveness	<-90dB @ 1GHz
Phase Matching	On request
Signal Delay	On request

Environmental Data

Temperature Range	-40°C to +125°C
2002/95/EC(RoHS)	Compliant

Cable Specifications

Center Conductor	silver plated copper
Dielectric	ePTFE
Outer Conductor	Silver plated copper wire
Velocity of propagation(%)	80
Min. bending radius(mm)	8
Jacket Diameter(mm)	1.50

Part Number List

Part Number	Length [mm]	Insertion Loss ≤(dB)			
		3GHz	6GHz	18GHz	40GHz
GAU12-GPFGPFF-1000	1000±10	2.159	3.074	5.418	8.237
GAU12-GPFGPFF-500	500±5	1.166	1.660	2.921	4.435
GAU12-GPFGPFF-300	300±5	0.769	1.094	1.923	2.914
GAU12-GPFGPFF-200	200±5	0.571	0.811	1.443	2.154
GAU12-GPFGPFF-100	100±5	0.372	0.528	0.924	1.393

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.