

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 $\Omega$
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

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