



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

<b>Configuration</b>	
Connector 1 Type	SMA Female
Connector 1 Body Style	Straight
Body Material and Plating	Brass Gold Plated
Connector 1 Mount Method	4 Hole Flange
Connector 2 Type	SMA Female
Connector 2 Body Style	Straight
Body Material and Plating	Brass Gold Plated
Connector 2 Mount Method	4 Hole Flange
Cable Type	Flexiform 405 FJ
<b>Electrical Specifications</b>	
Impedance	50 $\Omega$
Frequency	DC to 18 GHz
Return Loss/VSWR	1.35 to 18 GHz
Shielding Effectiveness	<-125dB @ 1GHz
Phase Matching	On Request
Signal Delay	On Request
Power Handling	157Watt @ 1GHz at Sea Level,VSWR1.0
<b>Environmental Data</b>	
Temperature Range	-45°C to +125°C
RoHS	Compliant

### Cable Specifications

Center Conductor	Silver plated copper covered steel
Dielectric	PTFE
Jacket	FEP, Blue-transparent
Capacitance(pF/m)	94
Velocity of propagation(%)	71
Min. bending radius(mm)	6
Jacket Diameter(mm)	2.5
Weight(kg/100m)	2.2

### Part Number List

Part Number	Length [mm]	Insertion Loss ≤(dB)			
		3GHz	5GHz	10GHz	18GHz
GA712-SMFFSMFF-1000	1000±10	1.33	1.92	2.71	3.65
GA712-SMFFSMFF-500	500±10	0.785	0.95	1.42	2.15
GA712-SMFFSMFF-300	300±10	0.53	0.65	0.96	1.49
GA712-SMFFSMFF-200	200±5	0.404	0.51	0.74	1.16
GA712-SMFFSMFF-100	100±5	0.27	0.35	0.52	0.83

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