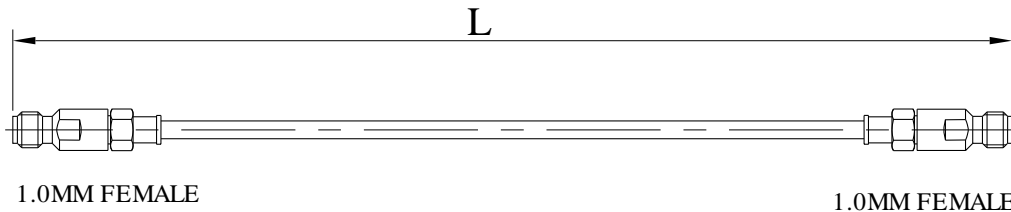


P/N: GAU20-10F10F-XXX

**1.0mm Female to 1.0mm Female Cable Assembly | U20 Series Low Loss Phase Stable Flexible Coax Cable | DC - 110GHz**



1.0MM FEMALE

1.0MM FEMALE

Dimensions are in mm

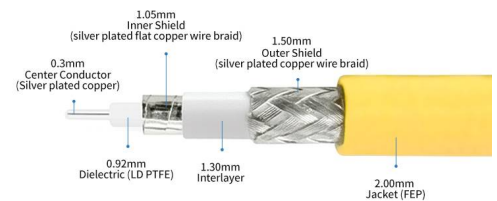


**Connectors Configuration**

	Connector 1	Connector 2
Connector Series	1.0mm	1.0mm
Connector Polarity	Standard	Standard
Connector Gender	Female	Female
Connector Impedance (Ohm)	50	50
Connector Body Style	Straight	Straight
Connector Body Material	Stainless Steel	Stainless Steel
Connector Body Plating	Passivated	Passivated

**Cable Configuration**

Cable Type	U20 Series
Cable Impedance (Ohm)	50
Inner Conductor Material	Silver plated copper
Dielectric Material	ePTFE
Number of Shields	2
Shield Layer 1 Material	Silver plated copper tape
Shield Layer 2 Material	Silver Plated Copper Braid
Jacket Material	FEP
Cable Diameter (mm)	2
Cable Color	Yellow
Minimum Bend Radius (mm)	50
Capacitance (pF/m)	86
Velocity of Propagation	80%
Shielding Effectiveness	> 90dB @ 1GHz
Middle layer	ePTFE



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1.0mm Female to 1.0mm Female Cable Assembly | U20 Series Low Loss Phase Stable Flexible Coax Cable | DC - 110GHz

## Electrical Data

Electrical Specifications for Different Length				
Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss ≤ (dB)
150	±3	DC - 110GHz	1.44 to 110GHz	2.32 to 110GHz
200	±3			2.98 to 110GHz
400	±5			5.61 to 110GHz
500	±5			8.32 to 110GHz
800	±10			10.86 to 110GHz
1000	±10			13.49 to 110GHz

## Environmental Specifications

RoHS Compliant

Yes

Operating Temperature Range

-55 °C to +125 °C