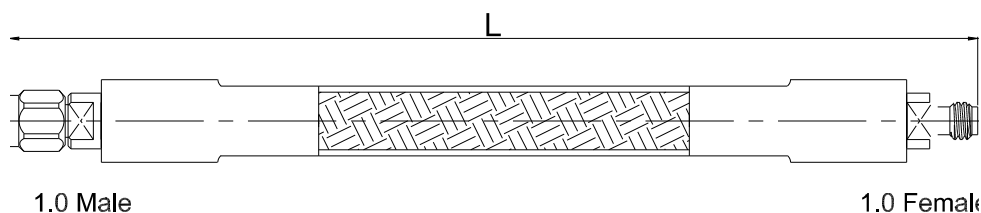


## 1.0mm Male to Female High-Frequency Low Loss Phase Stable Cable Assembly – DC to 110GHz, U12 Coax, Stainless Steel Hose, PU Jacket

P/N: FRU12-10M10F-XXXA3



Dimensions are in mm



### Connectors Configuration

	Connector 1	Connector 2
Connector Series	1.0mm	1.0mm
Connector Polarity	Standard	Standard
Connector Gender	Male	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	U12 Series
Cable Impedance (Ohm)	50
Inner Conductor Material	Silver plated copper
Dielectric Material	ePTFE
Shield Layer 1 Material	Silver plated copper tape
Middle layer	ePTFE
Shield Layer 2 Material	Silver plated copper wire
Jacket Material	FEP
Armor Type	Stainless Steel Wire Covered By Tin Plated Copper Wire And Nomex Braid
Armored Diameter (mm)	3.84
Cable Color	Violet
Minimum Bend Radius (mm)	50
Velocity of Propagation	80
Shielding Effectiveness	>90dB



**1.0mm Male to Female High-Frequency Low Loss Phase Stable  
Cable Assembly – DC to 110GHz, U12 Coax, Stainless Steel Hose,  
PU Jacket**

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## Electrical Data

Electrical Specifications for Different Length				
Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss ≤ (dB)
200	±3	DC-110GHz	1.5 to 110GHz	3.16 to 110GHz
400	±5	DC-110GHz		5.79 to 110GHz
500	±5			7.63 to 110GHz
800	±10			11.04 to 110GHz
1000	±10			13.67 to 110GHz

## Enviromental Specifications

RoHS Compliant	Yes
Operating Temperature Range	-55 °C to +165 °C