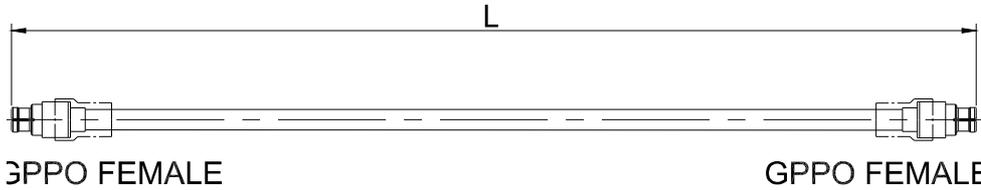


## P/N: FRU12-GPPFGPPF-XXX

### GPPO(Mini-SMP) Female to GPPO(Mini-SMP) Female Cable Assembly | .047" U12 Series Low Loss Phase Stable Flexible Coax Cable | DC - 40GHz



Dimensions are in mm

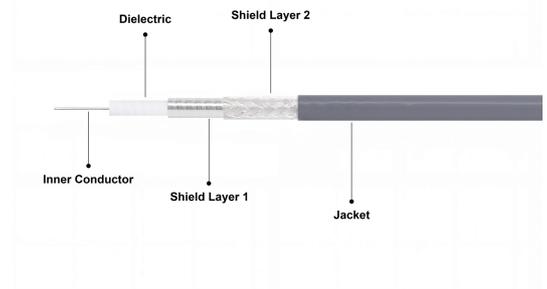


## Connectors Configuration

	Connector 1	Connector 2
Connector Series	GPPO(Mini-SMP)	GPPO(Mini-SMP)
Connector Polarity	Standard	Standard
Connector Gender	Female	Female
Connector Impedance (Ohm)	50	50
Connector Body Style	Straight	Straight
Connector Body Material	Beryllium Copper	Beryllium Copper
Connector Body Plating	Gold	Gold

## Cable Configuration

Cable Type	U12-40G Series
Cable Impedance (Ohm)	50
Inner Conductor Material	Silver Plated Copper Wire
Dielectric Material	ePTFE
Number of Shields	2
Shield Layer 1 Material	Silver Plated Copper Braid
Shield Layer 2 Material	Silver Plated Copper Braid
Jacket Material	FEP
Cable Diameter (mm)	1.85
Cable Color	Gray
Minimum Bend Radius (mm)	10
Capacitance (pF/m)	86
Velocity of Propagation	80%
Shielding Effectiveness	> 90dB @ 1GHz



## Electrical Data

Electrical Specifications for Different Length				
Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss ≤ (dB)
100	±3	DC - 40GHz	10dB to 40GHz	1.40 to 40GHz
150	±3			1.75 to 40GHz
200	±3			2.15 to 40GHz
250	±3			2.55 to 40GHz
300	±5			2.91 to 40GHz
400	±5			3.80 to 40GHz
500	±5			4.45 to 40GHz
800	±10			6.75 to 40GHz
1000	±10			8.25 to 40GHz

## Environmental Specifications

RoHS Compliant

Yes

Operating Temperature Range

-55 °C to +125 °C

## Revision History

Version	Description	Prepared By	Approved By	Date
V1.0	Initial release	Grimm	Hebe	2024-01-01