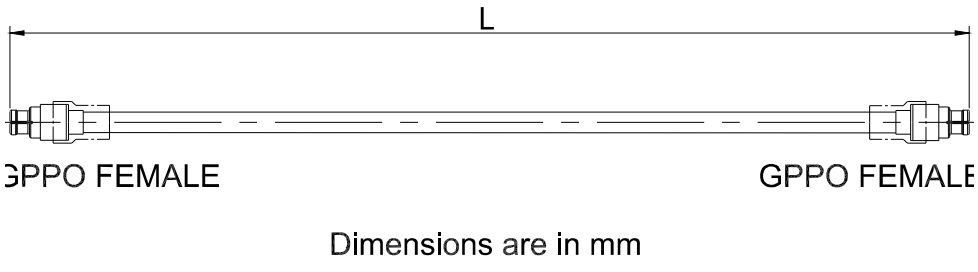
Flexi RF
Reliable RF Components In Stock

Datasheet

P/N: FRU12V-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

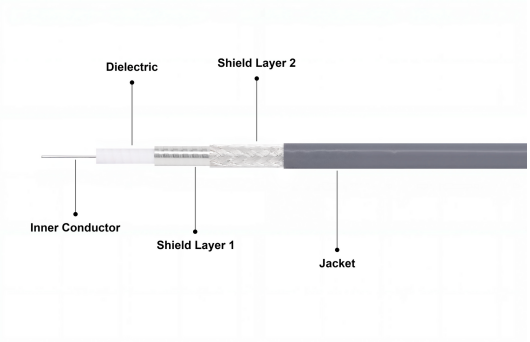


Connectors Configuration

	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



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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	±3			2.91 to 40GHz
400	±5			3.80 to 40GHz
500	±5			4.45 to 40GHz
800	±5			6.75 to 40GHz
1000	±10			8.25 to 40GHz

Enviromental Specifications

RoHS Compliant	Yes
Operating Temperature Range	-55 ºC to +125 ºC

Revision History

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