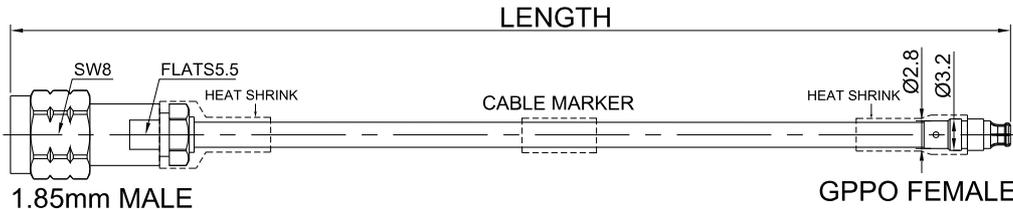


**P/N: FRF71-185MGPPF-XXX**

**1.85mm Male to GPPO(Mini-SMP) Female Cable Assembly | RG-405SS Flexible Coax Cable | DC - 65GHz**



Dimensions are in mm

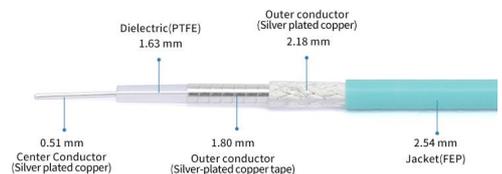


## Connectors Configuration

	Connector 1	Connector 2
Connector Series	1.85mm	GPPO(Mini-SMP)
Connector Polarity	Standard	Standard
Connector Gender	Male	Female
Connector Impedance (Ohm)	50	50
Connector Body Style	Straight	Straight
Connector Body Material	Stainless Steel	Beryllium Copper
Connector Body Plating	Passivated	Gold

## Cable Configuration

Cable Type	RG-405SS
Cable Impedance (Ohm)	50
Inner Conductor Material	Silver Plated Copper Wire
Dielectric Material	PTFE
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)	2.64
Cable Color	Turquoise
Minimum Bend Radius (mm)	6
Capacitance (pF/m)	96.5
Velocity of Propagation	70%
Shielding Effectiveness	> 100dB @ 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 - 65GHz	12 dB to 65 GHz	1.70 to 65GHz	
200	±3		13 dB to 65 GHz	2.70 to 65GHz	
300	±5		12 dB to 65 GHz		3.70 to 65GHz
400	±5				4.70 to 65GHz
500	±5				5.70 to 65GHz
600	±5				6.70 to 65GHz
800	±10				5.70 to 65GHz
1000	±10				9.70 to 65GHz
1500	±15				9.70 to 65GHz
2000	±20				19.70 to 65GHz

## Environmental Specifications

RoHS Compliant	Yes
Operating Temperature Range	-45°C to +125°C