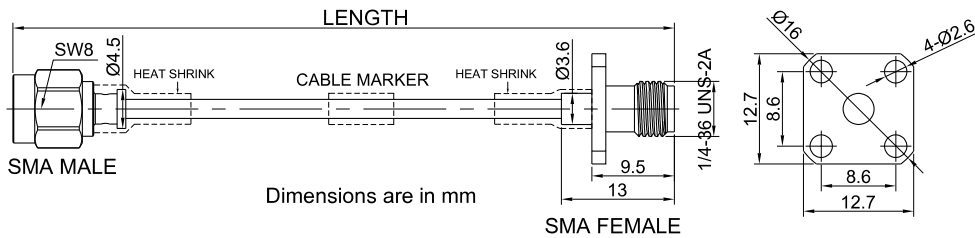


P/N: FRF71-SMMSMFF-XXX

## SMA Male to SMA 4 Hole Flange Female Cable Assembly | RG-405SS Flexible Coax Cable | DC - 18GHz

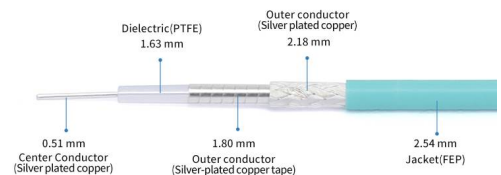


### Connectors Configuration

	Connector 1	Connector 2
Connector Series	SMA	SMA
Connector Polarity	Standard	Standard
Connector Gender	Male	Female
Connector Impedance (Ohm)	50.0	50
Connector Mount Method	None	4 Hole Flange
Connector Body Style	Straight	Straight
Connector Body Material	Stainless Steel	Brass
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



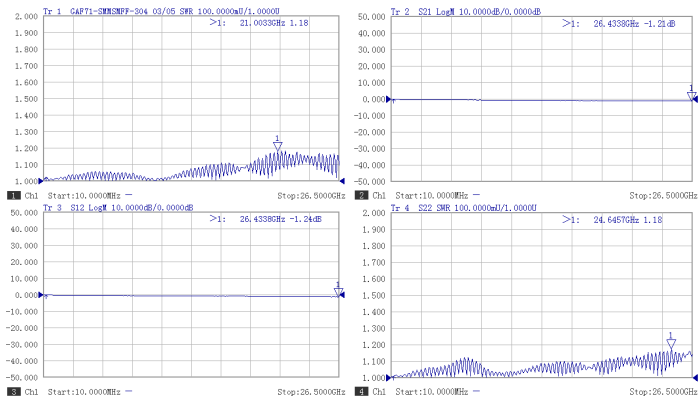
## Electrical Data

Electrical Specifications for Different Length				
Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss ≤ (dB)
100	±3	DC - 18GHz	1.35 to 18GHz	0.83 to 18GHz
200	±3			1.16 to 18GHz
300	±5			1.49 to 18GHz
500	±5			2.15 to 18GHz
800	±10			3.14 to 18GHz
1000	±10			3.65 to 18GHz
1500	±15			5.15 to 18GHz
2000	±20			6.65 to 18GHz

## Environmental Specifications

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

## Test Report for Cable assembly



\*Note: Test Cable Assembly Length = 304 mm

## Revision History

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