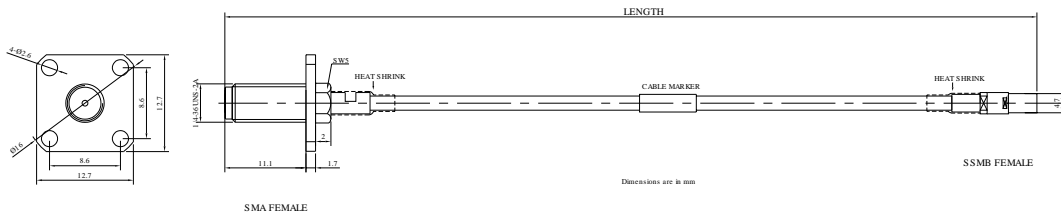


## P/N: FRR8-SMFFSSMBF-XXX

### SMA 4 Hole Flange Female to SSMB Female Cable Assembly | RG178 Flexible Coax Cable | DC - 3GHz

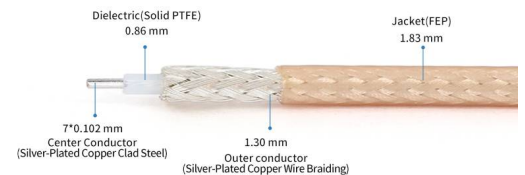


### Connectors Configuration

	Connector 1	Connector 2
Connector Series	SMA	SSMB
Connector Polarity	Standard	Standard
Connector Gender	Female	Female
Connector Impedance (Ohm)	50	50
Connector Mount Method	4 Hole Flange	None
Connector Body Style	Straight	Straight
Connector Body Material	Brass	Brass
Connector Body Plating	Gold	Gold

### Cable Configuration

Cable Type	RG178
Cable Impedance (Ohm)	50
Inner Conductor Material	Copper Clad Steel, Silver, 7 Strands
Dielectric Material	PTFE
Number of Shields	1
Shield Layer 1 Material	Silver Plated Copper Braid
Jacket Material	FEP
Cable Diameter (mm)	1.83
Cable Color	tan
Minimum Bend Radius (mm)	10.16
Capacitance (pF/m)	96.5
Velocity of Propagation	70%
Shielding Effectiveness	>-70dB@1GHz



## Electrical Data

Electrical Specifications for Different Length				
Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss ≤ (dB)
500	±5	DC - 6GHz	1.25 to 3GHz	1.75 to 3GHz
800	±10			2.44 to 3GHz
1000	±10			2.95 to 3GHz
1500	±15			4.15 to 3GHz
2000	±20			5.35 to 3GHz
3000	±30			7.65 to 3GHz
5000	±50			12.25 to 3GHz

## Environmental Specifications

RoHS Compliant	Yes
Operating Temperature Range	-40 °C to +80 °C
MIL/STD	N/A

## Revision History

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