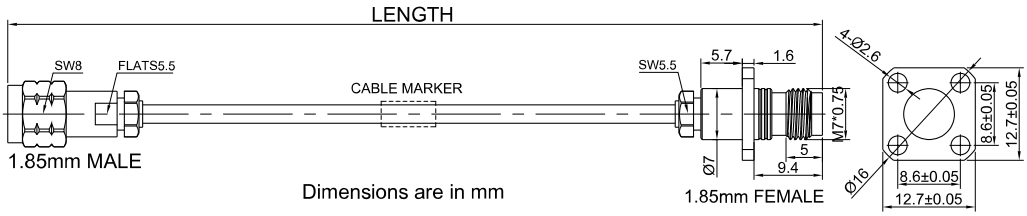
Flexi RF
Reliable RF Components In Stock

Datasheet

P/N: FR711-185M185FF-XXX

1.85mm Male to 1.85mm 4-hole Flange Female Cable Assembly | .086" Semi-Flexible Coax Cable Without FEP Jacket | DC - 67GHz



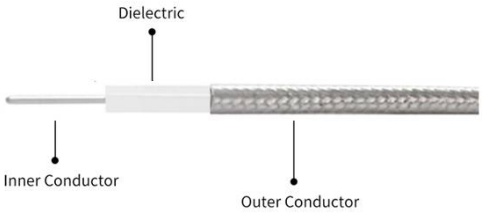


Connectors Configuration

	Connector 1	Connector 2
Connector Series	1.85mm	1.85mm
Connector Polarity	Standard	Standard
Connector Gender	Male	Female
Connector Impedance (Ohm)	50	50
Connector Mount Method	None	4 Hole Flange
Connector Body Style	Straight	Straight
Connector Body Material	Stainless Steel	Stainless Steel
Connector Body Plating	Passivated	Passivated

Cable Configuration

Cable Type	.086" Semi-Flexible cable
Cable Impedance (Ohm)	50
Inner Conductor Material	Silver Plated Copper Covered Steel (SCCS)
Dielectric Material	Solid extruded PTFE
Number of Shields	1
Shield Layer 1 Material	Tin Plated Copper
Cable Diameter (mm)	2.2
Cable Color	Silver
Minimum Bend Radius (mm)	6
Capacitance (pF/m)	94
Velocity of Propagation	71%
Shielding Effectiveness	< -110dB @ 1GHz



Flexi RF Inc

(650)880-9199
20195 Stevens Creek Blvd, Suite 220, Cupertino, CA 95014
sales@flexirf.com
www.flexirf.com

Electrical Data

Electrical Specifications for Different Length				
Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss ≤ (dB)
100	±3	DC - 67GHz	≤ 1.45	1.70
150	±3			2.20
200	±3			2.70
250	±3			3.20
300	±3			3.70
400	±5			4.70
500	±5			5.70

Enviromental Specifications

RoHS Compliant	Yes
Operating Temperature Range	-40°C to +125°C

Revision History

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