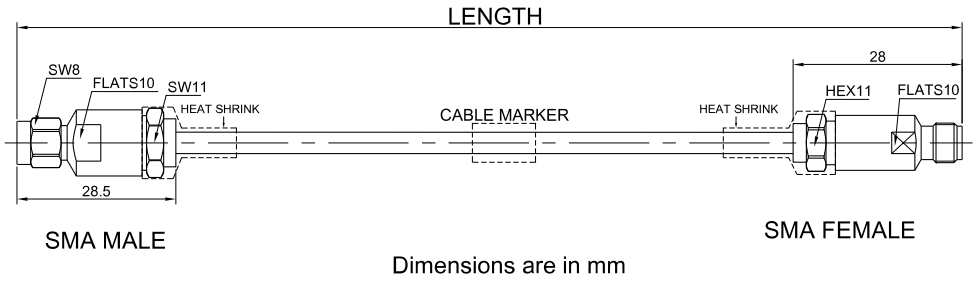
P/N: FRA2-SMMSMF-XXX

SMA Male to SMA Female Cable Assembly | 311A Series Low-Loss Phase-Stable Microwave Coaxial Cable | OD 7.9mm | DC - 18GHz



Dimensions are in mm

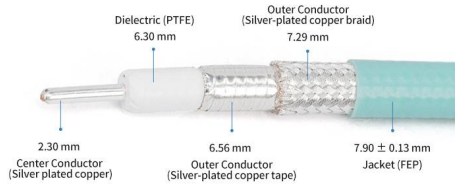


Connectors Configuration

	Connector 1	Connector 2
Connector Series	SMA	SMA
Connector Polarity	Standard	Standard
Connector Gender	Male	Female
Connector Impedance (Ohm)	50	50
Connector Body Style	Straight	Straight
Connector Body Material	Stainless Steel	Stainless Steel
Connector Body Plating	Passivated	Passivated

Cable Configuration

Cable Type	311A Low Loss Flexible Cable
Cable Impedance (Ohm)	50
Inner Conductor Material	Silver Plated Copper (SPC)
Dielectric Material	LD-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)	7.9
Cable Color	Turquoise
Minimum Bend Radius (mm)	31.75
Capacitance (pF/m)	80
Velocity of Propagation	82%
Shielding Effectiveness	<-100dB



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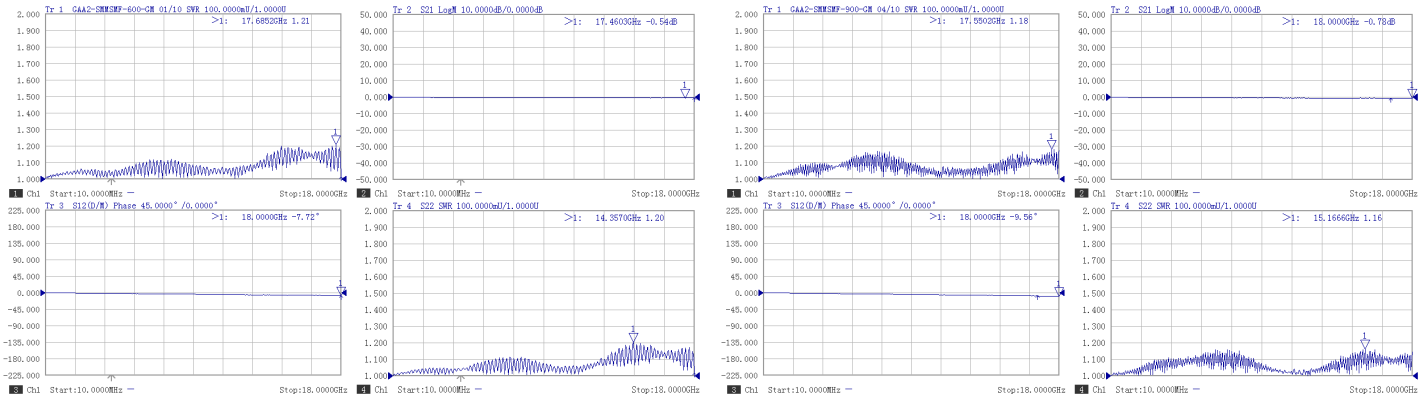
Electrical Data

Electrical Specifications for Different Length				
Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss ≤ (dB)
500	±5	DC-18GHz	<1.35	0.80
600	±5			0.89
800	±5			1.07
1000	±10			1.25
1500	±15			1.65
2000	±20			2.05
3000	±30			2.75
5000	±50			4.15

Enviromental Specifications

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

Test Report for Cable assembly



*Note:Test Cable Assembly Length = 600 mm

*Note:Test Cable Assembly Length = 900 mm

Revision History

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