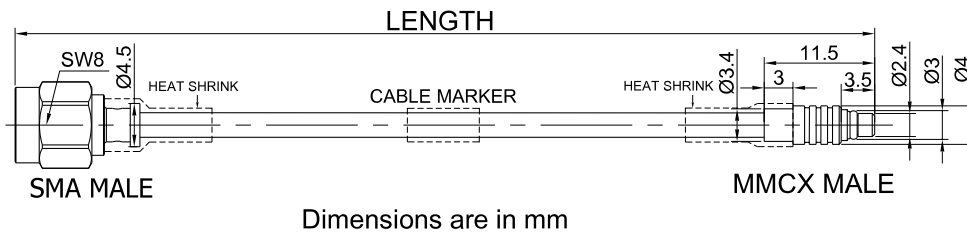


P/N: FR712-SMMMMCXM-XXX

## SMA Male to MMCX Male Cable Assembly | .086" Semi-Flexible Coax Cable with FEP Jacket | DC - 3GHz

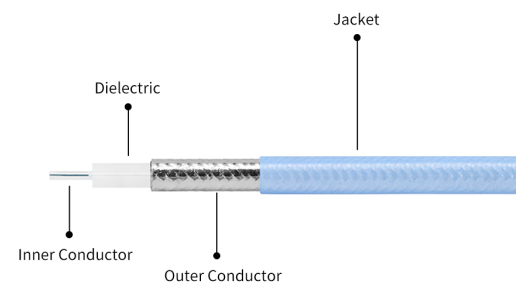


### Connectors Configuration

	Connector 1	Connector 2
Connector Series	SMA	MMCX
Connector Polarity	Standard	Standard
Connector Gender	Male	Male
Connector Impedance (Ohm)	50.0	50.0
Connector Body Style	Straight	Straight

### 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
Shield Layer 1 Material	Tin Plated Copper
Jacket Material	FEP
Cable Diameter (mm)	2.54
Cable Color	Blue
Minimum Bend Radius (mm)	6
Capacitance (pF/m)	94
Velocity of Propagation	71%
Shielding Effectiveness	< -110dB @ 1GHz



## Electrical Data

## Environmental Specifications

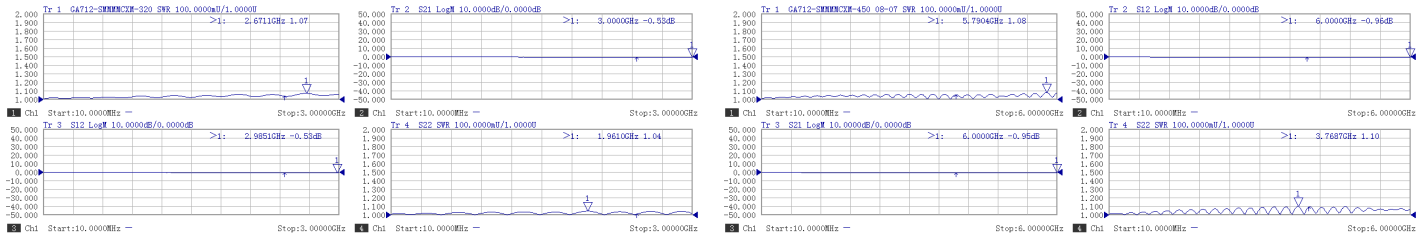
RoHS Compliant

Yes

Operating Temperature Range

-40°C to +125°C

## Test Report for Cable assembly



Ch1	SweepType	Start Frequency	Stop Frequency	Points	IF BW(Hz)	SweepTime(s)	Port1,2Power(dBm)
WIN1	Lin_Sweep	0.01000000GHz	3.00000000GHz	401	1000	0.373000	-5.0, -5.0
Marker	Delta	Stimulus	Response				
Trace1--S11	1	2.67110GHz	1.071				
Trace2--S21	1	3.00000GHz	-0.527dB				
Trace3--S12	1	2.98505GHz	-0.533dB				
Trace4--S22	1	1.96097GHz	1.044				

Ch1	SweepType	Start Frequency	Stop Frequency	Points	IF BW(Hz)	SweepTime(s)	Port1,2Power(dBm)
WIN1	Lin_Sweep	0.01000000GHz	6.00000000GHz	401	1000	0.376000	-5.0, -5.0
Marker	Delta	Stimulus	Response				
Trace1--S11	1	5.79035GHz	1.082				
Trace2--S12	1	6.00000GHz	-0.963dB				
Trace3--S21	1	6.00000GHz	-0.949dB				
Trace4--S22	1	3.76872GHz	1.098				

\*Note: Test Cable Assembly Length = 320 mm

\*Note: Test Cable Assembly Length = 450 mm

## Revision History

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