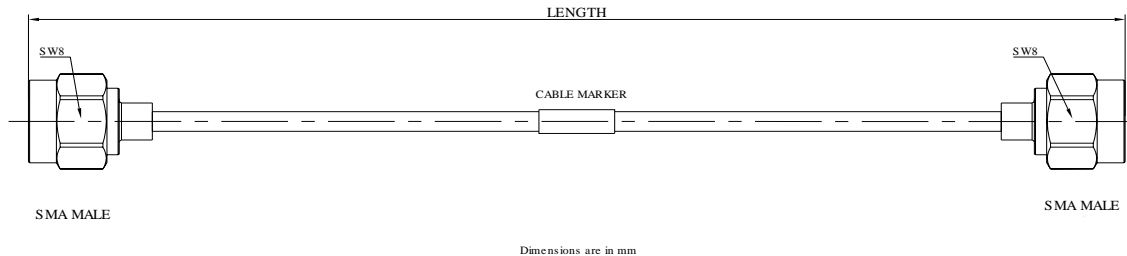


SMA Male to SMA Male Cable Using .086" Semi-rigid Stainless Steel Coax, DC - 26.5GHz, Cryogenic

P/N: FR710S-SMMSMM-XXX



Product Configuration

Connector 1 Series	SMA
Connector 1 Polarity	Standard
Connector 1 Gender	Male
Connector 1 Impedance (Ohm)	50
Connector 1 Mount Method	None
Connector 1 Body Style	Straight
Connector 2 Series	SMA
Connector 2 Polarity	Standard
Connector 2 Gender	Male
Connector 2 Impedance (Ohm)	50
Connector 2 Mount Method	None
Connector 2 Body Style	Straight
Coax Cable	UT-085-SS

Mechanical Data

Connector 1 Body Material	Stainless Steel
Connector 1 Body Plating	Passivated
Connector 2 Body Material	Stainless Steel
Connector 2 Body Plating	Passivated
Out Diameter	2.2mm
Min. Bending Radius	3.18mm
Mating Cycles, Min	≥500

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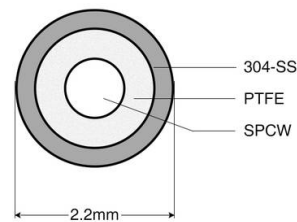
P/N: FR710S-SMMSMM-XXX

Environmental Specifications

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

Cable Specifications

Description	Parameter
Center Conductor	SPCW
Dielectric	PTFE
Outer Conductor	304-SS
Jacket Diameter(mm)	2.2
Capacitance(pF/m)	95.1
Velocity of propagation(%)	70
Min. bending radius(mm)	3.18



Part Number List

Part Number	Length(mm)	Frequency	Insertion Loss ≤ (dB)				VSWR
			3GHz	5GHz	10GHz	18GHz	
FR710S-SMMSMM-1000	1000±10	DC-26.5GHz	1.33	1.92	2.71	3.65	1.25 to 18GHz
FR710S-SMMSMM-500	500±3	DC-26.5GHz	0.785	0.95	1.42	2.15	1.25 to 18GHz
FR710S-SMMSMM-300	300±3	DC-26.5GHz	0.53	0.65	0.96	1.49	1.25 to 18GHz
FR710S-SMMSMM-200	200±3	DC-26.5GHz	0.404	0.51	0.74	1.16	1.25 to 18GHz
FR710S-SMMSMM-100	100±3	DC-26.5GHz	0.27	0.35	0.52	0.83	1.25 to 18GHz

Note: Phase Matching is available by request.