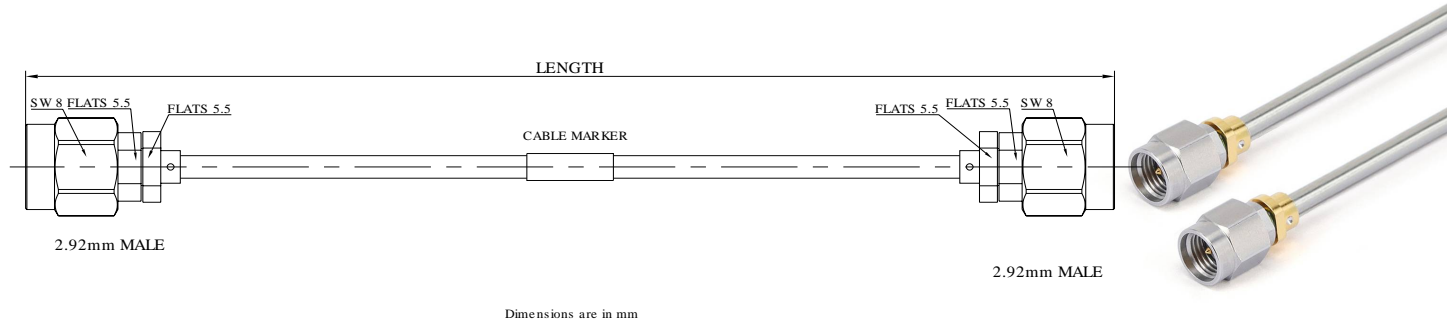


## 2.92mm Male to 2.92mm Male Cable Using .086" Semi-rigid Stainless Steel Coax, DC - 40GHz, Cryogenic

P/N: FR710S-292M292M-XXX



### Product Configuration

Connector 1 Series	2.92mm
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	2.92mm
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

## 2.92mm Male to 2.92mm Male Cable Using .086" Semi-rigid Stainless Steel Coax, DC - 40GHz, Cryogenic

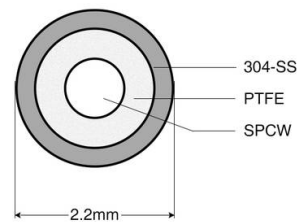
P/N: FR710S-292M292M-XXX

### 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
			5GHz	10GHz	20GHz	40GHz	
FR710S-292M292M-1000	1000±10	DC-40GHz	1.7	2.5	3.8	6.9	1.44 to 40GHz
FR710S-292M292M-800	800±5	DC-40GHz	1.4	2.06	3.14	5.66	1.44 to 40GHz
FR710S-292M292M-600	600±5	DC-40GHz	1.09	1.64	2.48	4.32	1.44 to 40GHz
FR710S-292M292M-500	500±3	DC-40GHz	0.95	1.42	2.15	3.82	1.44 to 40GHz
FR710S-292M292M-300	300±3	DC-40GHz	0.65	0.96	1.49	2.56	1.44 to 40GHz
FR710S-292M292M-260	260±3	DC-40GHz	0.59	0.87	1.35	2.31	1.44 to 40GHz
FR710S-292M292M-200	200±3	DC-40GHz	0.51	0.74	1.16	1.94	1.44 to 40GHz
FR710S-292M292M-100	100±3	DC-40GHz	0.35	0.52	0.83	1.32	1.44 to 40GHz

Note: Phase Matching is available by request.