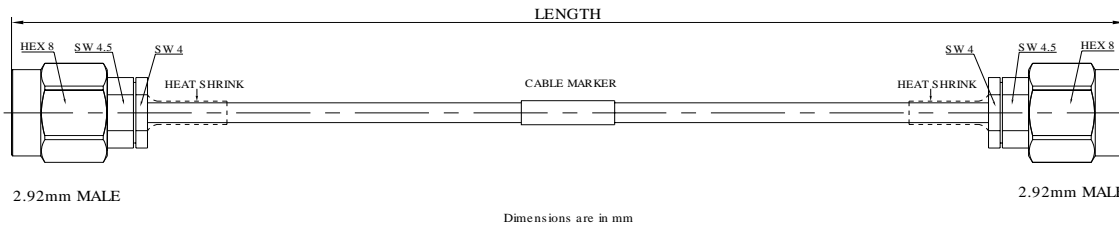


**2.92mm Male to 2.92mm Male Cable Using 3506 Series Low Loss Phase Stable Flexible Coax, DC - 40GHz** P/N: FRU2-292M292M-XXX



## 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	3506

## 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	6mm
Mating Cycles, Min	≥500

## 2.92mm Male to 2.92mm Male Cable Using 3506 Series Low Loss Phase Stable Flexible Coax, DC - 40GHz

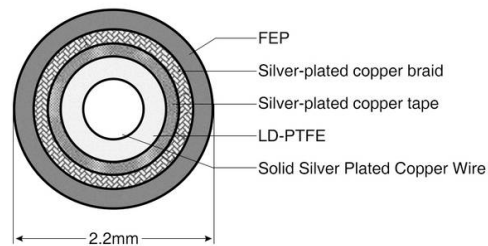
P/N: FRU2-292M292M-XXX

### Environmental Specifications

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

### Cable Specifications

Description	Parameter
Center Conductor	Silver plated copper wire
Dielectric	LD-PTFE
Inner Conductor	Silver-plated copper tape
Outer Conductor	Silver-plated copper braid
Jacket	FEP
Jacket Diameter(mm)	2.2
Capacitance(pF/m)	94
Velocity of propagation(%)	82
Min. bending radius(mm)	6
Shielding Effectiveness	> 90dB @ 1GHz



### Part Number List

Part Number	Length(mm)	Frequency	Insertion Loss ≤ (dB)				VSWR
			5GHz	10GHz	20GHz	40GHz	
FRU2-292M292M-1000	1000±10	DC-40GHz	1.70	2.50	3.62	5.32	≤ 1.35 to 40GHz
FRU2-292M292M-800	800±5	DC-40GHz	1.40	2.06	3.04	4.42	≤ 1.35 to 40GHz
FRU2-292M292M-600	600±5	DC-40GHz	1.09	1.64	2.36	3.46	≤ 1.35 to 40GHz
FRU2-292M292M-500	500±5	DC-40GHz	0.95	1.38	2.05	2.98	≤ 1.35 to 40GHz
FRU2-292M292M-300	300±3	DC-40GHz	0.65	0.96	1.39	2.06	≤ 1.35 to 40GHz
FRU2-292M292M-260	260±3	DC-40GHz	0.59	0.87	1.25	1.92	≤ 1.35 to 40GHz
FRU2-292M292M-200	200±3	DC-40GHz	0.51	0.74	1.12	1.54	≤ 1.35 to 40GHz
FRU2-292M292M-100	100±3	DC-40GHz	0.35	0.52	0.73	1.12	≤ 1.35 to 40GHz

Note: Phase Matching is available by request.