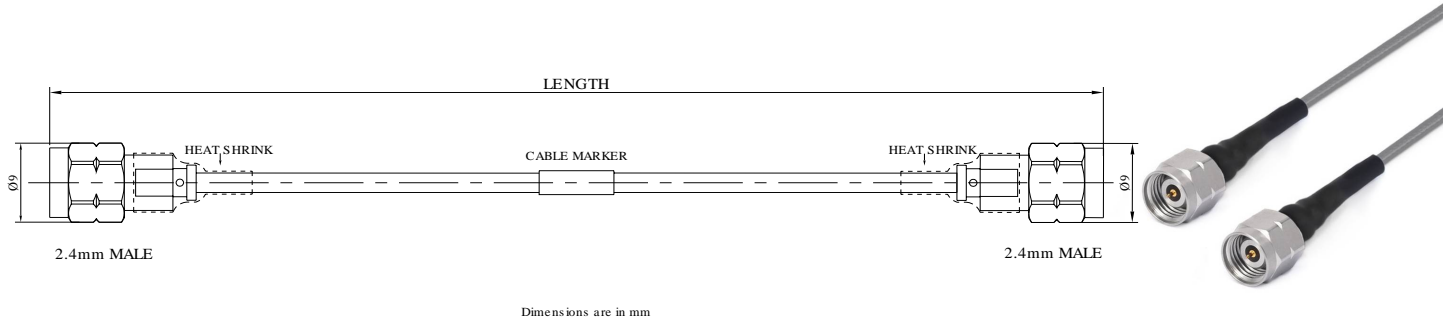


## 2.4mm Male to 2.4mm Male Cable Using 3506 Series Low Loss Phase Stable Flexible Coax, DC - 50GHz

P/N: FRU2-24M24M-XXX



### Product Configuration

Connector 1 Series	2.4mm
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	2.4mm
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

## 2.4mm Male to 2.4mm Male Cable Using 3506 Series Low Loss Phase Stable Flexible Coax, DC - 50GHz

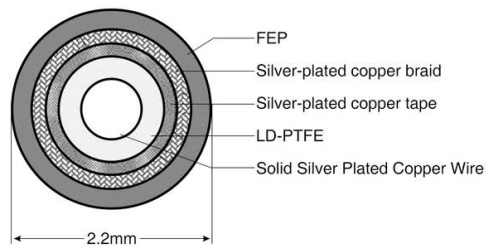
P/N: FRU2-24M24M-XXX

### 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
			10GHz	20GHz	40GHz	50GHz	
FRU2-24M24M-3000	3000±10	DC-50GHz	6.79	9.77	14.21	15.93	≤ 1.44 to 50GHz
FRU2-24M24M-2500	2500±10	DC-50GHz	5.74	8.25	11.98	13.56	≤ 1.44 to 50GHz
FRU2-24M24M-2000	2000±10	DC-50GHz	4.70	6.73	9.75	10.94	≤ 1.44 to 50GHz
FRU2-24M24M-1500	1500±10	DC-50GHz	3.65	5.21	7.52	8.53	≤ 1.44 to 50GHz
FRU2-24M24M-1200	1200±10	DC-50GHz	3.02	4.29	6.18	6.92	≤ 1.44 to 50GHz
FRU2-24M24M-1000	1000±10	DC-50GHz	2.61	3.69	5.29	5.78	≤ 1.44 to 50GHz
FRU2-24M24M-600	600±5	DC-50GHz	1.77	2.47	3.50	3.83	≤ 1.44 to 50GHz
FRU2-24M24M-500	500±5	DC-50GHz	1.56	2.17	3.06	3.32	≤ 1.44 to 50GHz

Note: Phase Matching is available by request.