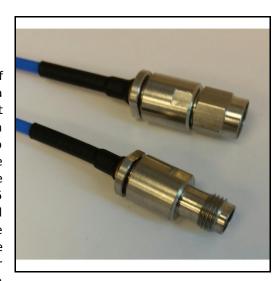




2.4mm Male to 2.4mm Male RF flex cable using SS085 High Performance Coax, 48 inches long, Operating to 50 GHz.

#### **Product Features**

P1CA-24M24F-SS085-48 is an RF Flex Cable that is part of P1dB's SS085 series, high performance cable assemblies. It is a 48 inch 2.4mm Male to 2.4mm Male cable assembly that utilizes SS085 High Performance coax, which is 0.104 inches in diameter. The SS085 high performance flex cable operates to 50 GHz with a max VSWR of 1.35:1. P1dB's SS085 cable assemblies are high performance RF cables that are dimensionally equivalent to RG405 semi-rigid and 085 conformable coax cables, and have similar electrical specifications to RG405 coax. SS085 RF flex cables can operate up to 50 GHz, depending on the installed connectors. The advantage of SS085 test cables over other test cables are their cost-effective design that still offer good phase and amplitude stability for general purpose test systems.



### **Electrical Specification: T**<sub>Ambient</sub> = 25° C

Parameter	Frequency Range	Units	Min	Typical	Max	Notes
Frequency Range		GHz	DC		50.0	
VSWR	DC to 1.0	1:			1.2	
	1.0 to 18.0				1.25	
	18.0 to 30.0				1.3	
	30.0 to 50.0				1.35	
Insertion Loss	DC to 1.0	dB/ft.			0.23	
	1.0 to 18.0				1.1	
	18.0 to 30.0				1.46	
	30.0 to 50.0				1.95	
Velocity Of Propagation		%		70.0		

### **Mechanical And Environmental Specifications:**

Parameter	Description	Notes	
Connector 1	2.4mm Male		
Connector 1 Coupling Nut	Passivated Stainless Steel		
Connector 1 Body	Passivated Stainless Steel		
Connector 1 Contact	Gold Plated Beryllium Copper		
Connector 2	2.4mm Male		
Connector 2 Coupling Nut	Passivated Stainless Steel		
Connector 2 Body	Passivated Stainless Steel		
Connector 2 Contact	Gold Plated Beryllium Copper		
Coax Cable	High Performance		
Cable Type	SS085		
Cable Inner Conductor	SPC		
Dielectric	PTFE		
Shield	1. SPC Ribbon		
	2. SPC Braid		

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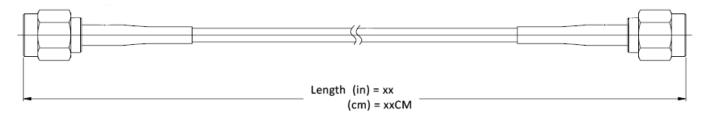


# P1CA-24M24F-SS085-48

2.4mm Male to 2.4mm Male RF flex cable using SS085 High Performance Coax, 48 inches long, Operating to 50 GHz.

Parameter	Description	Notes
Jacket	FEP	
Coax Diameter	0.104	
Minimum Bend Radius	0.25	
Length	48.0	
Operating Temprature	-55.0 to 200.0 °C	
RoHS Compliance	Yes	

## **Drawing**



### **Product Notes**