

# P1CA-24M24M-085CJ-24

2.4mm Male to 2.4mm Male RF flex cable using Flexiform 085 hand formable cable, 24 inches long, Operating to 50 GHz.

#### **Product Features**

P1dB's RF cable assembly P1CA-24M24M-085CJ-24 is a 50 Ohm hand formable cable 24 inches long with an outer diameter of 0.104 inch. It has 2.4 mm male connectors and operates to 50 GHz with a typcial VSWR of 1.40 (1.45 maximum). The cable has a bend radius of 0.25 inch and a Velocity of Propagation of 70%. Typical Insertion Loss measures 1.2 dB/ft at 18 GHz and 1.8 dB/ft at 40 GHz.

P1CA-24M24M-085CJ-24 is a hand formable high frequency cable assembly with good phase and amplitude stability for general purpose test applications.



## **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				1.35	
	30.0 to 50.0				1.45	
Insertion Loss	DC to 1.0	dB/ft.			0.2	
	1.0 to 18.0				1.3	
	18.0 to 30.0				1.5	
	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	Hand Formable				
Cable Type	Flexiform 085				
Cable Inner Conductor	SPC				
Dielectric	PTFE				
Shield	2. SPC Braid				
Jacket	FEP				
Coax Diameter	0.104				
Minimum Bend Radius	0.25				
Length	24.0				

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Parameter	Description	Notes
Operating Temprature	-55.0 to 125.0 °C	
RoHS Compliance	Yes	

## **Product Notes**