

# P1CA-29M29M-400PT-1M

Precision test cable, 2.92mm Male to 2.92mm Male, 400PT Phase-Flex stable cable, 1 meter, operating to 40 GHz. Typical lead time is 4 weeks.

### **Product Features**

P1dB's P1CA-29M29M-400PT-1M is a 50 Ohm precision test cable operating to 40 GHz. This high performance test cable provides excellent phase and amplitude stability during flexure. With 2.92mm stainless steel connectors, the assembly is 1 meter long and operates to 40 GHz. Typcial VSWR up to 40 GHz is 1.25 (1.35 maximum). Typical insertion loss to 40 GHz for this 1 meter assembly is 3.6 dB.

Phase stability vs flexure (degrees) for the 1 meter assembly is +/- 4.95 typical (7.90 maximum).

Amplitude stability vs flexure (dB) for a 1 meter assembly is +/-0.06 typical (0.15 maximum).

Velocity of propagation is 74 %.

The cable outer diameter is 0.400 inch (10.4mm) and features a braided jacket over extra braided strength and crush resistance layers.

## Electrical Specification: T Ambient = 25° C

Parameter	Frequency Range	Units	Min	Typical	Max	Notes
Frequency Range		GHz	DC		40.0	

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

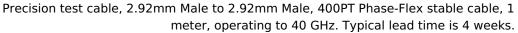
Parameter	Description	Notes	
Connector 1	2.92mm Male		
Connector 2	2.92mm Male		
Coax Cable	Phase-Flex stable test cable		
Cable Type	400PT		
Coax Diameter	bax Diameter 0.400		
RoHS Compliance	e Yes		

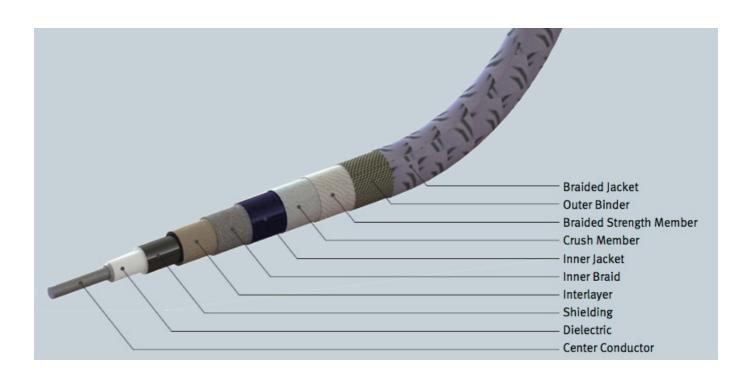
### Drawing



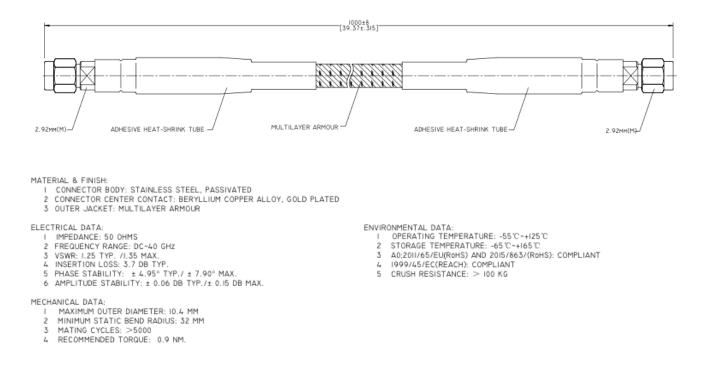


# P1CA-29M29M-400PT-1M





### Graph





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Crush resistance >200 IB (100kg)

Flexure life cycles > 20,000