P1CA-29M29M-400PT-48

Precision test cable, 2.92mm Male to 2.92mm Male, 400PT Phase-Flex stable cable, 48 inch, operating to 40 GHz.

Product Features

P1dB's P1CA-29M29M-400PT-48 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 48 inch 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 48 inch assembly is 4.5 dB. Phase stability vs flexure (degrees) is +/- 4.95 typical (7.90 maximum).Amplitude stability vs flexure (dB) 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	0.400	
Length	48.0	
RoHS Compliance	Yes	

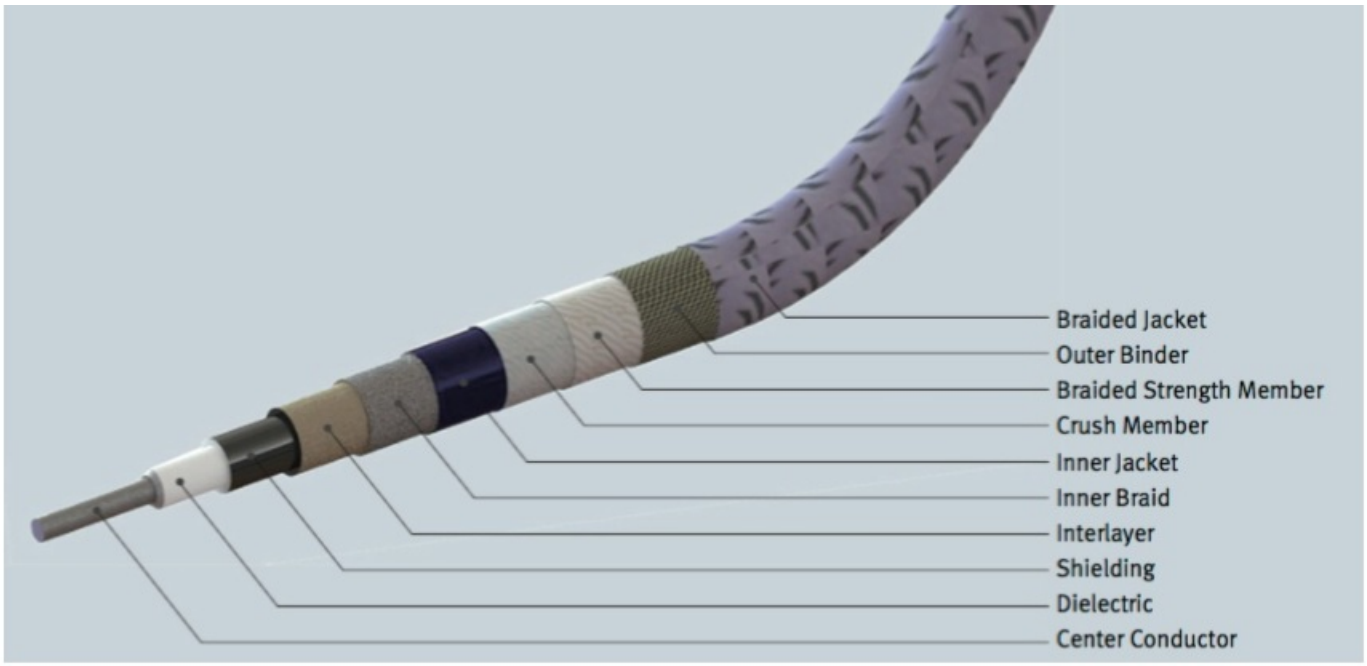
Drawing

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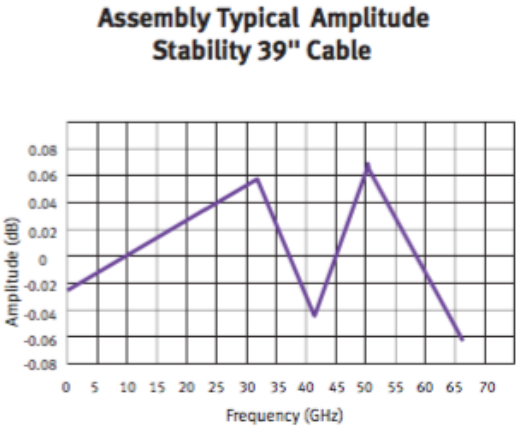
sales@p1dB.com

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Graph

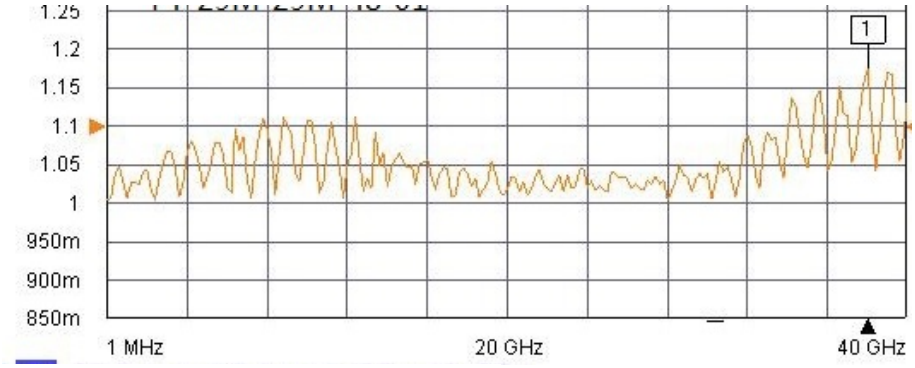


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ENVIRONMENTAL DATA:

1 OPERATING TEMPERATURE: -55℃~+125℃
2 STORAGE TEMPERATURE: -65℃~+165℃
3 A0;2011/65/EU(RoHS) AND 2015/863/(RoHS): COMPLIANT
4 1999/45/EC(REACH): COMPLIANT
5 CRUSH RESISTANCE: > 100 KG

Product Notes

Crush resistance >200 lB (100kg)

Flexure life cycles > 20,000

Mating cycles>5,000

Min bend radius 1.25 inch (32 mm)

Operating temp: -55 to +125 deg C

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