P1CA-24NMDF29M-400PT-24

Precision test cable, 2.4mm NMD female to 2.92mm male, 400PT Phase-Flex stable cable, 24 inch. Frequency DC to 40 GHz.



Product Features

P1dB's P1CA-24NMDF29M-400PT-24 is a 50 Ohm precision test cable operating to 40 GHz. This high performance test cable provides excellent phase and amplitude stability during flexure. 2.4mm NMD female to 2.92mm male connectors. Typcial VSWR up to 40 GHz is 1.25 (1.35 maximum).

Phase stability vs flexure (degrees) for this 24 inch assembly is +/- 3.25 typical (4.95 maximum). Amplitude stability vs flexure (dB) is +/-0.04 typical (0.08 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.

Attenuation for the 400PT cable is 1.6 dB/meter (0.49dB/ft) at 18 GHz and 2.46 dB/m (0.76dB/ft) at 40 GHz.

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	2.4mm NMD Female	
Connector 2	2.92mm Male	
Coax Cable	Phase-Flex stable test cable	
Cable Type	400PT	
Coax Diameter	0.400	
Length	24.0	
RoHS Compliance	Yes	

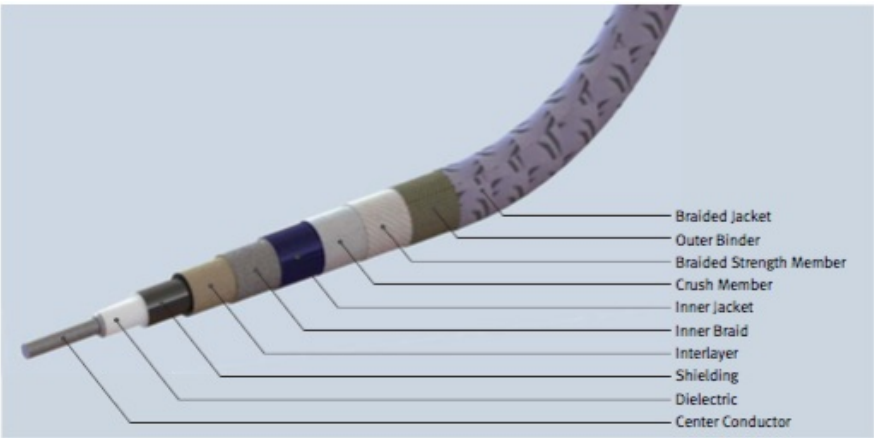
Drawing

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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

Comparable performance to Gore Phase-Flex & Florida RF Labs ASR-F precision test cables.

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