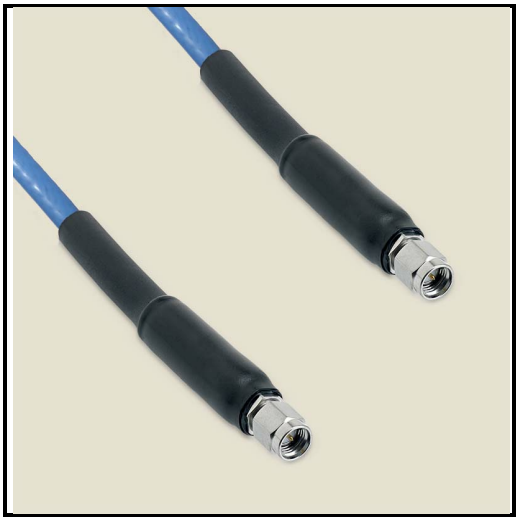
P1CA-SAMSAM-195TM-36

Cable Assembly, SMA Male to SMA Male, 195TM Phase Stable Coax, 36 inch. Frequency DC to 18 Ghz. Cable is Times Microwave 0.195 inch flex.



Product Features

P1CA-SAMSAM-195TM-36 is a 50 Ohm flexible test cable, 0.195 inch outer diameter, operating to 18 GHz. This assembly is a low loss, phase stable cable with precision stainless steel SMA male to SMA male connectors, 36 inches long. Triple shield design for high RF isolation and microporous dielectric for low insertion loss. Enhanced cable-to-connector boot extends the operating life of this rugged test cable.

Typical insertion loss at 18 Ghz is 0.68 dB/ ft. Velocity of propagation is 70%. Maximum VSWR is 1.30 to 18 GHz.

Phase stability vs. flexure is +/- 2 degrees to 18 GHz.

Electrical Specification: $T_{Ambient}$ = 25° C

Parameter	Frequency Range	Units	Min	Typical	Max	Notes
Frequency Range		GHz	DC		18.0	

Mechanical And Environmental Specifications:

Parameter	Description	Notes
Connector 1	SMA Male	
Connector 2	SMA Male	
Coax Cable	Test Grade	
Cable Type	195TM	
Coax Diameter	0.195	
Length	36.0	
RoHS Compliance	Yes	

Drawing

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Mechanical Specification

Parameter	Description	Notes
Connector Type	SMA (18 GHz or 26.5 GHz), N, TNC, BNC	Male and Female
Connector Body Material and Plating	Passivated Stainless Steel	
Connector Contact Material and Plating	Gold Plated Beryllium Copper	
Connector Retention	170 lbs.	
Mating Cycles	>5,000	SMA, N and TNC
Cable Inner Conductor	Silver Plated Solid Copper	
Dielectric	PTFE	
Shield	1. Silver Plated Copper Flat Ribbon Braid 2. Aluminum Polyimide Tape 3. Silver Plated Copper Round Braid	
Jacket	Translucent Blue FEP	
Coax Diameter	.195 inch	
Minimum Bend Radius	1 inch	
Flexure Cycles	>50,000	

Product Notes

Minimum bend radius is 1.0 inch.

Operating temperature is -55 to +105 degrees C.

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