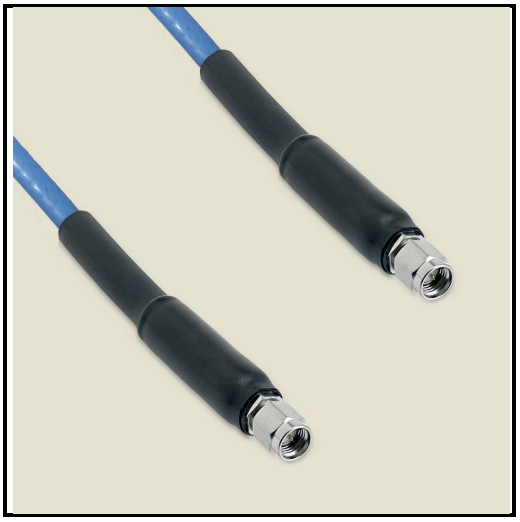
# P1CA-SAMSAM-195TM-24

Cable Assembly, SMA Male to SMA Male, 195TM Phase Stable Coax, 24 inches.
Freequency DC to 18 Ghz. Cable is Times Microwave 0.195 inch flex.



**Product Features**

P1CA-SAMSAM-195TM-24 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, 24 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 | 24.0 | |
| RoHS Compliance | Yes | |

**Drawing**

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# P1CA-SAMSAM-195TM-24

Cable Assembly, SMA Male to SMA Male, 195TM Phase Stable Coax, 24 inches.
Freequency DC to 18 Ghz. Cable is Times Microwave 0.195 inch flex.

## 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<br>2. Aluminum Polyimide Tape<br>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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