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# PSF-402 Cable Assembly, SMA Female to SMA Male, 180 mm

SKU ACC-PT-00396 MPN CA402-SA2SA1.018 Barcode 9337692004827

## **Description**

SMA Female to SMA Male 0.141" semi-flex patch cables are a high performance, microwave-grade assembly designed to interconnect two components within an RF system. This PSF-402 assembly boasts low PIM, low VSWR, and 110 dB shielding.

SMA Female to SMA Male patch cables are very short coaxial cables designed to sit between a larger feeder cable and the end device, providing flexibility and strain relief to prevent damage to the equipment.

These cables are factory terminated and swept prior to leaving the manufacturing facility.

## Read More

PSF-402 is a 0.141" Semi Flex cable type used a very high performance patching cable. The PSF prefix refers to "Powertec Semi-Flexible", distinguishing it from other Powertec manufactured cable types. Most SMA Male to SMA Female patch cables find their use in commercial and industrial RF systems where a short connection is required from the antenna feeder to the device.

## Read More





#### **Powertec**

Powertec is a wireless technology manufacturer and systems integrator based in Australia. Operating since 1995, Powertec has grown to become the leading wireless technology distributor in its region, and a leading Infratech systems developer. Supporting over 1500 partners the company provides procurement, design, project management, and support services across Australia, New Zealand, Pacific ...

## **RF Specification**

Start Frequency

0 GHz

**Stop Frequency** 

6 GHz

**VSWR** Measurement

## **Frequency VSWR**

 $3000 \text{ MHz} \leq 1.3:1$ 

6000 MHz  $\leq 1.5:1$ 

## **Physical Specification**

Subtype

Patch Cable

**Mating Cycles** 

> 500

Compliance/Certifications

ISO 9001 Quality Management

,

RoHS

Length

0.18 m

Weight

13.5 g

## **RF Connectors**

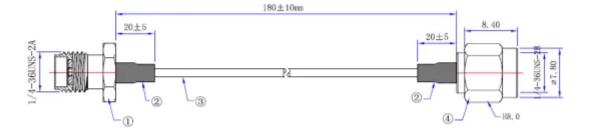
## RF Interface Body Shape Mounting

SMA Female Straight Free Hanging

SMA Male Straight Free Hanging

Drawing





## **PSF-402**

Min. Frequency

0 GHz

Impedance

50 Ω

Min. Bend Radius Static

8 mm

Min. Bend Radius Dynamic

40 mm

Max. Frequency

34 GHz

**Shielding Effectiveness** 

> 110 dB

Colour

Blue

Cable Layers

Layer	Diameter	Materials
Inner Conductor	0.93 mm	Silver Plated Copper (SC)
Dielectric	3.00 mm	PTFE / Teflon
Outer Conductor	3.52 mm	Tin Soaked Copper Braid
Outer Jacket	4.20 mm	Polyolefin LSZH

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