

# RG-402 Patch Cable 4.3-10 Male to SMA Male, 20cm

SKU: IBC-PT-00044

MPN: CA-R402-431SA1.020

Barcode: 9337692001796

## Description

The RG-402 Patch Cable, 4.3-10 Male to SMA Male, 20 cm (SKU: IBC-PT-00044), is a high-performance RF cable developed by Powertec, part number CA-R402-431SA1.020. This cable features the PSF-402 design, a semi-flexible, low-loss coaxial cable with a 4.2 mm bright blue outer jacket, supporting frequencies up to 34 GHz. It effectively balances performance and cost, making it ideal for RF applications requiring reliable connectivity.

The PSF-402's 0.141" semi-flexible construction offers hand-formability and microwave-grade performance, with mode-free operation up to 34 GHz. Its tin-soaked copper braid ensures nearly 100% RF shielding, while the malleable outer jacket minimizes solder joint failures and allows for tight bends. This coaxial cable is designed for over 500 mating cycles, with a declared frequency range from 0 GHz to 6 GHz.

One end of the cable features a 4.3-10 Male connector, and the other end has an SMA Male connector, both...

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# RF Specification

Start Frequency:

0 GHz

Stop Frequency:

6 GHz

## Physical Specification

Subtype:

Patch Cable

Length:

0.2 m

Mating Cycles:

> 500

Weight:

55 g

Compliance/Certifications:

ISO 9001 Quality Management

RoHS

## RF Connectors

### RF Interface

4.3-10 Male

SMA Male

### Body Shape

Straight

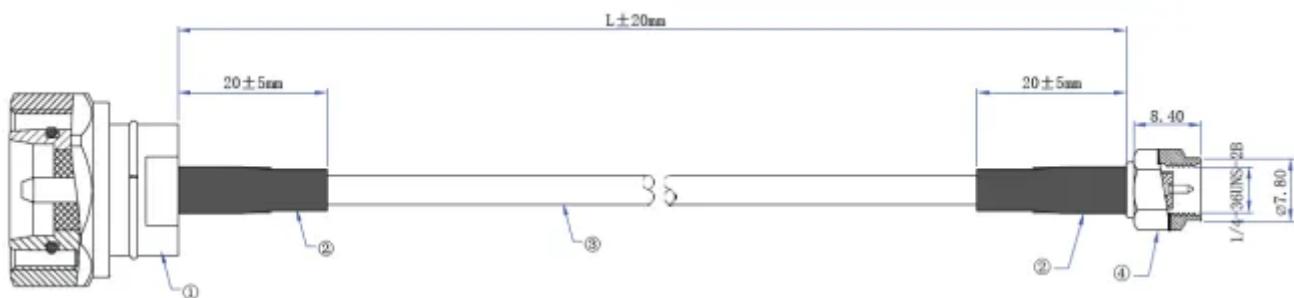
Straight

### Mounting

Free Hanging

Free Hanging

## Drawing



PSF-402

Min. Frequency:	0 GHz	Max. Frequency:	34 GHz
Impedance:	50	Shielding Effectiveness:	> 110 dB
Min. Bend Radius Static:	8 mm	Colour:	Blue
Min. Bend Radius Dynamic:	40 mm		

## 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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